

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

Vol. 6. No. 75. $[$ a.P.O. ar ar al hewspaper.
EVERY FRIDAY.

## OFFICIAL PROGRAMMES

for the week comnencing SUNDAY,

March 1st.

## MAIN STATIONS,

LONDON,CARDIFF, ABERDEEN, GLASGOW, BIRMINGHAM, MANCHESTER, BOURNEMOUTH, INEWCASTLE, BELFAST
HIGH-POWER STATION. (Chelmsford.)
RELAY STATIONS.
SHEFFIELD. PLYMOUTH, EDINBURGH, LIVERPOOL, LFEDS - BRADFORD, HULL. NOTTINGHAM, STOKE-ON-

TRENT, DUNDEIE, SWANSEA

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## LISTENERS' LETTERS,

IMPORTANT TO READERS,
LEITEPS YOR THE EDIIOR should be adivesved to "Ihe Radio Times," 8-11, Soathamplon Street, Strand, W.C. 2

LETTERS FOR THE B.B.C., containing programme suzgetions or critivismb, should be sent to tae Organiser of ronrummes, the B.B.C.t 2, Sivay Hul, W.C. 2 .
RATES OF SUBSCRIPIION to "The Radio Times"


## The Marvels of Magnetism.

## By Sir OLIVER LODGE.

This week wi publish the fourth of the ssven lectures on "Ether and Reality" which Sir Oliver Lodge is broadcasting from London.]

$\mathrm{O}^{\mathrm{N}}$NE of the most important things that we know about electrons and protons is that they can never be either brought into exittence or put out of existencer: they can only be moved about from place to place-they are, in that respect, like any other form of matter. They can be trinsferred from one body to another; they can be aceumnlated so that one body has an excess, hut some other body must have an equal defect. An extra number of clectrons gives a negative charge to the body: anything with an exerss of umbalaneed protons is positively charged.

But it may be said, surely, when a thing is discharged (that is, when one body sparks into another, as when you connect the two coats of a Leyden jar), the two charges disappear! Yea, they "disarpear" : that is tho right word. They are no longer apparent ; but they have not gone out of existence. They have re-grouped themselvea; the two opposito charges have got close together, they have, as it were, reunited; they are mutually satislied ; they make no more disturbance or strain, theie lines of force have, as it were, shut up, or become exceedingly short. They heve neutralized each other so far as outside effects are concerned; but they have not ohlitorated each othor their existence is not terminated: they are there ready to be separated again, or it not they, some others like them. The two oppositely clarged bodies have become neutml.

We never really produce or destroy electricity. What one hody has gained, another has lost, and when the balance is restored, there is equilibrium. We produce or display electrie charge simply by trateser, simply by making manifest what was previously existent. We pull out infinitesimal lines of force and make them extend across peroeptible space: we thus

In a way genemte an electrin ficld; but the field was pre-existent, though infinifesimal and nonapparent before we displayed it.

If we Hiken the lines of forco to clastic flreads, they are clastie threads of infinitesimal fength, copable of being stretohed ad. fíitsm, without limit: the lines never snap, nor do they ever sbrink up into absolute nothingress. To make this statement quite safe, we ought to say that they are not "known" to do such a thing in auy of oun experiments, howover slolently we treat them. Whether they ever shrimis to nothingness of their own accord, remains to be seen: such a discovery has not yet been made.

What we have now to learn is that something of the same sort is true of-magnetikm: we never really generato magnetism, any more than we penerate cleotrieity. We can make a magnet, just is wo can charge a body ; but the magnetirm was there beforehaod, just as the eleotricity was : we have only made manifest what was pre-exietent.
So far, there is Aimilarity, but now there are differences, We cannot charge a body with one sign of mapuetism. suy the north-seuking krat. leaving another body charged with the southseeking kind. Every magnet has an equal quantity of both kinds, but instead of beitg close together, they can be separisted by the whole length of a piece of steel.

That is an oldifashioned method of regarding magnetization, and has been known for centuries; but the inner mearing of it lias not been so thoronghly known. There is a fundsmental difference botween electrie and magnotio lines of foree, a difference quite definite, though, perhape, not easy to spocify completely.
The main difference is this: as eleotric line of force has two ends, it positive end on a proton a negative end on an election. A magnetis
(Confimued overlenf.)

## The Marvels of Magnetism.

## (Continued from the previous page.)

line of force has no ends, it is always a closed leop. We may not think of a maguetic line of ferce as analogons to an clastic thread joining two particles or pulling them together, it is more like an indiarubber ring; it is looped or closed an itself, it has no ends. But the loon is one that can be stretehed, it can be expanded so as to enclose a big area, or it can shrink up until it is too small to be appreciable. It never shuts up to nothing; it never goes out of existenee. If you call these loops magnetism, we never generate magnetism; we open it ous.

## The Earth as a Magnet.

An inert piece of iron is full of such infinitesimal loops: the net of magnetization opens them out and makes them perceptible. Part of them then lics in the air ; but the air lias nothing to do with them, they do not really exist in the air, they exist solely in the Ether. And the from is not necessary cither; it may bave an extra number of the loops, and without iron or some similar substance, we might possibly not have diseovered them, of not discovered them so soon; but they are there all the time, everywhere.
The Ether is fult of them: and it so happens that in or near some large boclies, like the eartb, some cause has already opened out a few of those loops; so that the earth behaves like a perminent magnet. What has magnetized the eauth we do nol eompletely know; but it was owing to that fact that the Ancients were enabled to discover magnetism. And some substances, even wher dug ont of the earth, have the power of retaining these loops in an opened-out evndition: in other words, some ores of irom are natural magnets. They are not very strongartificial magnets can be made much strongerand as the cause of natural magnetism is not known, it is not the most instruetive kind for ierious contemplation.

## Blindfold Methods.

It was long ago known, hewever, that the property of retaining the loops in an openedout contition was possersed lhy steel, and many other substances in a greater or less degree; and there were rather blindfold methods also known by whick one already magnetized body could excite magnetism in another. The natmal idea would be that the magnetism of one was transferred to the other, and that what one body gained, the other lost. That is not so. It is so in clectric charge; it is not so in magpetiom. The magzietic influence or so-called "induction" -is exercised without loss: one magnet can magnetize any number of etherd without itself being any the poorer: there is no limit to the amount of magnetization that van te produced, once it is startech.

## Magretism' and Lifo.

In this respent, it is rather like life. An oak ean producc a large number of acorns, and each acorn lhas the potentiality of prodreing an oak; and so on without limit. Wherever Iffe exists, it can increase prodigiously; not at the expense of the original source, but as if them were an infinite reservoif from which it could be drawn. The analogy is striking, but, perhaps, not helpful; for thongh we only know a little ahout magnetiam, we know much less about life. We do not explain the unknown by the still more unknown, but we can draw attertion to analogies and similarities, in upite of immense and important differences.

There is this forther similarity, however, that production of more magnetism, or, more aceurately, the display of pre-existent magnetism, is not accomplisied without expenditure of something. It is not magnetiom which is expended, but energy : energy muat le ex-
peuded, that is, work must be done, in order to produce more magnets; and if energy is not expended, notbing heppens.
So it is with life. A plant can produce innumerable sceds, and thus give rige to innumerable plants, but not in the absence of energy, not without the rays of the sun. There must be available energy, and that is consumed in the procees.

## Forgetting the Sun.

We live in such 2 stream of energy coming from the sun that we almost forget its exisfence; it is cssential to every movement, it is essential to the display of every form of life, Life may be there, in some imperceptible form, unknown to us; but without radiant or etherial energy, it could not enter into relation with matter, it could not grow and develop and become conspicuous.
What life is, we do not know; what mag. netism is, we are only heginning to learn. But the two have this in common: they may be dormant, imperceptible, inactive; by means of energy they can be displayed, and dieplayed in unlimited amount. There is, as it were, an infinite amount available; or, if net infinite- that is, without limit-ther limits are beyond anything that we have detected or imagined. We cannot say mueh about life-(at feart, I cannot), but I cai say romething more about magnetism, which is apparently a much simpler thing.

## A Tremendons Discovery.

We not only have the power of passing it on by help of an ordinary magnetized body, which we pick up; we have the power of magnetizing a hody de zorb. We cannot generate the loops, it is frue, but we can open them out, even if none nlready opened out were given ns. We do not require a permanent magnet in order to magnetize hodies. What do we require \& We require a maving electrie charge: that is, we require to get an electron and a proton separated from eaelh other and rush them along.

We generate magnetism by means of electricity. The two are remarkably inter-related: they are by no means the same thing. Eleotrigity can generate magmetism, with the aid of energy expended. This was discovered by Arago early in the nineteenth century; and a few decades later, Faraday miade the tremendour diecovery that mognetism could generate elecfricity-also by the expenditure of energy. And now every dymamo is doing it.

## The Link Between.

But these terms are not quite aceurate. Whien I way that electricity can generate magnetiom, I am speaking popalarly. More acourately, an electrie current can open out pre-existent mugnetic toops and thus generate a perceptible magnetio fleld. Ant whien I may that magnetism can generate clectricity, I ought fo say that a magnet enahles energy to generate an electrie current; that is, to set electrons in metion.

Motion, mechanieal motion, is the link between the two things, electricity and magnetism. And it is by rid of mechanical motion (whieh is not an etherink process, pure and simple, but a material one) that electricity and magnetism in combination are able to interact with matter ; and it is thus that they have come within our ken.

We realize eleetrical and magnetic phenomena by the motions which they are able to produce; we have sense organa for the purpose. Our physiological organism (in some mysterious way, to which we have grown se aceustomed that we fail to realize the mystery) embles us to pereeive mechanical motion: we can kee pieces of matter moving. When wesee the goldleaves of an electroscepe diverge, we know
that they are electrically charged. When werece a galvanometer deflect, we know that there is an electric current in its neighbourhood. When we see two pieces of iron or steel jump rogether, we know that they are magnetized.
We have a further most extraordinary sense. When we look at the flame of a fire or the fllament of a lamp, or at the moon or a star or a landscape or, indeed, at any viaible object, we know-at least, some of us have learnt to know-that there is an electromagnetic disturbance in the ether, travelling at a known pace, reaching onr cye, and in some curious way stimulating the optio nerve. The sensations we experienee directly : the meaning of those sensations, the cause which have excited them, the processes to which they are really duc, are mattiers for inference, that is for scientifio discovery.

## Correcting Our Knowledge.

The senses give us the resulte, they do not tell us about the mechanism. It has been no easy matter to discover the mechanism, and there is much still to be discovered about it. Our explanations are hound to be dependent on the present state of scientific knowledge; we may be sure that posterity will know much more.
Meanwhile, we can try to learn what is already known: and in so far as our knowledige is inaccurate as well as incomplete, we must be always ready to correct it. We are certain that our knowledge will have to be enlarged; our hope is that it is accurate as far as it goes.
We live among difficulties, our life is bound by a struggle; but it may be a co-operative and not a competitive struggle.

## An Unlimited Reservoir.

Knowledge in this respect is like life and magnetism: there is an unlimited reservoir from which to draw, and the imparting of knowIndge doca not lessen the amount possessed by the imparter, it is transferred withont loas, though doubtless, with the expenditure of some energy. Knowledge grows from more to more. By diffurion it is increased: what one gains, another does not lose. Some energy and ekill are needed for broadcasting; but it is an operation that can be condueted without loss: if the transmitter suffers at all, it is only his bodily epergy which is censmoned. A magnet which has excited other magnets may be even stronger than before. Life which has excited other life may still bo vigorous. There may be temporary fatigue: a sbrub may be temporarily exhausted by producing seede, butit soon recovers. Fatigue is natural to material organisms and to any expenditure of energy; but recuperation followe, and next year it is ready for a fresh erop.

## Learning From Facts.

Certainly, in the case of a physiological organism, fatigue may be pressed to excess: exhanstion, old age, and death lie in wait for bodily organisms: it is not they which are permanent. A magnet may be knocked into inefficiency by hammering; its loops shrink up into apparent nothingness, but they have not gone out of existence. A loose tile from a housetop may destroy the mechanism of thought, and damage irretrievably the working of anorganism: thereby life and nind will disappear from onr ken. But if the analogy holds, they have not gonc out of existence. So far as we learn from seience, nothing goes out of exiatence; it only changer its form, it may become inappreciable to our senses, it may to all appearance ceare to be.

That is the Appearance. What is the Reality? That queation must be answered by Science. In the easc of magnetiam and electricity it has been answ ered ; in the case of life and mind it is in process of being answered-but, of course, not without contsoversy. Friendly diecussion and eontroversy are to be weleomed. In this, ns in all other mutters, we must learn from the facts.

## Making Listeners Jump!

## By G. K. Chesterton.

[In last week's "Radio Times" Mr. G. K. Chesterton propounded some novel views on broadcasting in his own inimitable style. This week we publish the continuation of his article.]

WVall of us, in wandering about the world, come upon curious corners that contain very important matters. We often happen, so to speak, to hear small people saying very hig things. Some utterly unknown man, of some humble and perhaps obscure trade, will have a point of view or a type of experience that we have never heard before, and that we betieve the readers of the newspapers liave never lecard beföre.

He will sometimes noed to be a min who practically never reads the newspapers hinself ; and there are many more auch men than the writers and readers of newspapers prohably imagine, especially among country people on men who have followed the sea.

## A Question of Human Nature.

But the man may be entirely urban; he may be found in any of the grades of industrialism, and very probably in one of the little and lessknown trades that depend apon or link up the great industrial operations. It will very probably be a trade that we never even heard the name of before. But it may be anything and it may turn op anywhere. The mark of it is that the angle of the argument or the point of the story is something that we find to be interesting and know to be new.
The grievance is not the ordinary Socialist grievance. The adventure is not the ordinary Imperinlistio adventure. It is something that may possibly throw an entirely treah light on acute contemporary crises or problems; but it is not the same as the contemporary oritifism of them on either side. The thing I mean, like most valuable things, is at once indescrib. able and urmistakable. It is a question of human mature; and must be treated very factfully in relation to much more important: laws of human nature.

## Manners Versus Radio.

Manners, not to mention morals, are a much more valunble discovery than wireless telegraphy. In a great many cases it wilt be mnch better to leave such a minn in his social setting and merely add his experience to onr own experiences in many cases it is probable that selfconsciouaness would entirely destroy the natural force. But I know of cases in which, after fistening to such a man in a third-class carriage or a puhlio-house, I should think I was aeting tss a very good citizen and a very fortunato servant of truth and justice if I said to that astonished individual: "Now you come and tell that to ten thousand people,"

## Not the Voice of England?

By experiments conceived in that spirit, I believe it might yet be possible to outflank or get past the rank of urreal conventions that make so much of our journaliam and politics bothdull and deceptive ; to get behind the fasode of false reputation and fiotittous generalities that repressent the England we live in as something cuite dilferent from itsolf.
I do not mean what is commonly connoted by apything revolutionary; the revolutions siso have become conventions. I mean that so long as the new scionce goes to the newspapens for its topios or to the Nerliament for its names, the voice that spenks to the multitude will not be the voice of England or even the real voice of any Engliabman; it will only tell the majority what the minority have olready found to be fatse; and shout at the back-mw of an audlence of which the front-row is aslecp.

## Dancing Round the World.

The "Light Fantastic" in Other Lands.
NOWADAYS, everyone
likes dancing, and oll lovers of Terpsichore will be interested in the special programme to be givenat Cardifif on Saturday, March 7th. Under the title "Dancing Round the World," it will comprise national dances of various countries, and will give a very good idea of their characteristics.
Although modern ballnom dancing has produced some weird and curions forms, the national dances of most nations have been preserved more or less in their original state and are still performed by the peasantry all over the
 world.
The love of the dance has existed from the remotest ages. It is natural for human beings of all races to jump when delighted or excited, and this primitive instinct led to the expression of the emotions by systematic fneans. This in time led to the invention of dances suitable to almost every oceasion-such ar weddings, wars, religious ceremonies, and even funerals, Among the ancient Greeks and Romans dancing was used as a means of physical culture,
Probably 40 country has so many greceful national dances as Spain. Many of them owe much to Moorish influence; but they differ cossiderably in the varions provinces.

## They Had to Join In.

One of the most popular is the Fandango. Well done, it is very pretty, and is accompanied by castanots and vigorous snapping of fingens. Suddenly there is a cessation of the music and the dancers stop dead in whatever positions they may happen to be at the time. When the music restarts, they bound again into full activity.

A writer of the soventeenth century tells a curious story about the Fandango. It reached the ears of high eccleaiastics that this dance was not altogether "proper," and a conclave of prelates assembled to discuss the matter. They were for conclemning it on the spot, but one of them, more broad-minded than his colleagues, said that it was unfair to judge without having seen. Thereupon, a man and a woman were summoned and were asked to dance before the assembled dignitaries, and their graceful movements so delighted the prelates that the latter began to beat time with their hands. As the


A Spamsh Dance in the Open Air.
dance proceeded, the ecclesiastics could contain themselves no longer and, one by one, they got up from their seats and joined the artists in the dance! Aftor that, the Fandango was allowed to continue uncheoked in Spain.

Other well-known Spanish dances aro the Gibadina, the Alemans, the Zapateado, the Zorongo, the Jota, the TuscanB, the Bolero, and the Seguidillas. The latter are not only national dances, but popular stanzas with which the dances are accompanied. They are mentioned by Cervantes in "Don Quixote."

The Bolerois moregraceful than the Fandango, and usually consists of five distinet parts. The Zorongo is a very quiek dance, and the Tuscana has also been popular in the South of Franec since the Midतle Agest

## To Give Their Husbands Courage.

Like the Spaniards, the Russians are great dancers. Their method of dancing in a seated position is well known, and requires a great deal of dexterity to accomplish.
In the East and among savage fribes national dances occupy a very important place. The women Negroes of the Gold Coast danoe a wardance while their husbands are away fighting. in order to give them courage; and the Dervishes perform thein famous whirling danee in order to becomo mediumistiond to obtainsuperhuman knowledge. Sweden possesses some very pretty national dances, and, indeed, the Swedes are great lovers of dancing of all kinds. Like the Greeks and Romans of old, they use the dance as a means of promoting health, and the well. known Swedish Drill contains many movements that may legitimately becalled danding.

France, Norway, Dermatk, Italy-all have their nationaf dances. Especially popular in the latter country is the Tharantella, which is generally aecompanied ty the guitar or tambourine.

Rumour has it that this dance owea its name to tarantism, a kind of St. Vitus's Dance. It was found that musio was espectaliy beneticial to sufferers from this complatnt, and a special dance was composed to soothe them. It is prossible, however, that the dance reatly owes its name to Tarantor, the town where it was expecially favorued.

CHARLEA TristraM.

## Official News and Views. <br> GOSSIP <br> ABOUT BROADCASTING.

The New Bill and the B.B.C.

TTHE new Wirelesa Bill has attracted a cood deal of criticiom. The B.B.C. lant no share in-its drafting, but nafurally has an interes in an effort dosigned to rogularize the conditions whicb make it possible to provide more and better serviees to listeners, The P.3.G. bas pohted out that the "powers of search "arenot an imovation. The sub-section of the new Bill which embodies these powers "is atmost purely a consolidation of the existing provimions, and merely re-cnaots with minor amendments Section 1, Sub-Section 4, of tho Wireles Telegraph $4 c t$, 1904." It is pointed ont, also, that the powens of seareh thave oxisted for twenty years, exist forday, and contimue to exist whother the new Pill beeomes faw er not."

## Amendments Possible.

It is, of course, only right that kegislation of this sort should bo subjected to the closest Merutiny, and Parliament may be disposed to modily the froviaions of the Bill in Committee. Rut the million and a quarter licensed listeners who loyally puy for the broadoast scevico will hope that, howeyer the Bill may be changed during its passage through Parliament, it will at least, in its final form, have the effect of putfing a stop to intentional evasion. Them is another point which listeners will approciate. That is that if the B.B.C. is to develop its plans and to contime to improve its service, more money must bic forthouning. Tho prosent burden of three progrimmes for a pemy does not appear excesuive. It can bo kept at this figuro it all listeners take out licences. Elementary comidderations of homour shoutd be as potent स3 logislativo cnactments. Atyway, puhlic opinion has the lats word.

## A Musical Seoret.

Admirens of the Savoy Bands will be interented In hear that the Savoy Orpheans, the Savoy Havans Band, and the Beston Orchestra are to dive a third concert at the Queen's Hall, on Tuesclay, March 10th. The fact that the Queen's Hall has already heen filled twice by the atfraction of syncopated musie seemsa sufficient reply to all those who said that syncopatent mavie conld have no place on the serious concert platform. The programme for the thind concert will be aflimost cititely new, aud it witt atan contain a surprise. This is a now symphony speciallj wiitten by a serious mnsiclax, well known in E.anflon, and the son of a minsician who was world-famous. The name for the minninent is being withteld, hist it avill be revealed after the cincert.

## Musical Comedy Programme.

A musical ecmedy programme at L.ondon on Saturday, Mareh 14th, will include songe by Mitiss Grace Gordon. and Mr. Frank Cochrane (the orizinal vinger of "The Cobbiet's Song" in Che Chin Chow), and kyncopated songs by Mr. Cyril Ramon Newton and Mr. Billy Mnyerl. Mr. Newton is already familiar to listeners, who hear him sligging the choruses of many of the numbers broadeast from the Savoy.
At 8.30 p.m. a "New Reatore by ord Friends" will be broadcast. Listeuers are asked to suggest a title after hearing it, and the sender of the best title received not later than first
post on Tuesday, Mareh 17 th, will be invited to attend the nest feature performance in the Eonton itadio.

## Tannhauser" at Cardiff.

Following the success of the production of Loheagria st thi Cardiff Station recently, it has bean arranged to give a performance of Tannhaniser them on Wednesday, March 11th. The cast will include Mr. Harry Brindle, Mr. Joseph Facrington, Mr. William. Heseltine, and Miss May Blyth. The " 5 WA "Choir yill bespecially augmerited for tho performance, as will also be the Station Symphiony Orchestra, conducted by Mr. Warwiek Braithwaite.

## "Trilby" to be Brandeast.

Thio programne at Plymouth on March 13th will introduce tho "5PY" Repertory Compuny in Trilly, in which the leading parts of Trilby and Svengali will be played by Miss Ciwen Verschoyle and Mr. Charles Freman. These two artists have played these parts for years on the grofessional stage. They will also perform an excerpt from the School for Scanda?
Mme, Gladya Ball; contralto, and Mr. Frederick Allen, haritone, and Miss Dorothy Blagdon, folo pianoforte, will contribute to the programme.

## A Young Folks' Night.

Since the opening of the Nottingham Station a considerable amount of locul talent has been diseovered. Particular interest attaches to the Young Folls' Night which is planned to be lroadcast from this station on Friday, March 13th, as the ages of the artists range from eleven to cighteen years.

## The Next International Symphony Concert.

The forrth of the Toternational Symphony Concerta will be relayed from the Royal Opera House, Covent Glarden, on Thursday, March 12th. The finst performaniee in England of Edgar Stilman Kelley's musical mirucle play, The Pitgrin's Progrese, will be given. This programme will be S.B.

## For West Country Lísteners.

The Calston Hull conecrt by the Bristol Symphony Orchestra is to lie broadenat from the Cardiff Station on Weduesday, March 4th. The Bristol Symphony Orcliestra is formed of the best local talent; for this concert it will bo eondueted by Mr. Eugene Goomsens. Since ity inception, the orchestra has adopted the policy of engaging the finest possible conduotore, amongat ishom in recent yeurs have been Mr. Albert Coates and Sir Landon Ronald.

## Ballads Old and New.

An S.B. programme of "Ballads Old and New," for Tuesday, March loth, contains orchestral selections of songa by favourito composers such as Tosti, Wilfrid Sanderson, and W, H. Squire, and two special selections, one of old-time ballads and another of old music-hall songs, both arranged by Mr. Robert Chignell. Part songs by the Salisbury Singers, a favourite wireless male voice quartet, will be included in this programme, and songs by Miss Kate Winter (soprano), Miss Nellie Walker (contralto), and Mr. Leonard Salisbury (bass), who is the founder of the Salisbury Singers.

## Do You Keop Bees ?

Mr. H. Boyd Martin, Chairman of the East of Scotland Bee-Keepers' Association, will give a series of five talks during Mamh from the Dundee Station. He will speak on "BerKeeping as a Hohty and for Profit "; "Ocellpants of a Hive and their Functions"; "Bee Swarming and How it May be Retarded " 2. Working for Honey and Preparation for Winter Quarters." The first talk will be given on March 2nd, at 6.40 p.m.

## Talks on Human Nature.

Mr. Neil Wright, M.A., will deliver, at the Nottingliam Station on Wednevlay, March 11th, the first of a series of Talke on Human Nature, This will be followed by a telephone-wireless discuseion. Two further talks and discussions by Mr. Nell Wright linve been arranged for this month, and the series will deal with "Human Nature," "Loves and Hates," and "What is Character ?"

## Complete Church Service' by Radio.

A complete evening church service will be relaved from St. Cuthibert's Parish Church, Edinburgh, on Sonday, March 8 th, from 6.30 to 8.0 p.m. Thio preacher will be the Rev. Wilfrid Hantiam, B.P., of the Westeyan Methodist Church. From 6.15 to $6.30 \mathrm{p} . \mathrm{m}$, the bells of St. Cuthbents will be broadeast.

## A Night in Holland.

Gliagow Station. continuias its scries of programmes of different eerntriee, has-nyunged a "Night in Holland ": for Monday, March 9tl. The masie will be from the works of Dutch composers, and Mr. Halbert Thetock, with his dramatio company, will present a play called Frans Hode. It has been specislly written for broadeasting by the author,

A Song Cycie Dramatized.
At the Cardiff Station on Friday March 13th, "The Fair Maid of the Milh," the famous song cycle by Sobubert, will be performied by Mr. John Collinson and Miss Ine Jrnssen, with interludes by the Station Orchestra,

## PEOPLE YOU WILL HEAR NEXT WIEEK.



Lors RBDDELL who will taik on "Popularity and posterity" From Landon on warsh 4ith. (Thist taik will bo s.B.

An Interesting Discovery.
THE search for actors who can impart sufficient personality and characterization to their voices to render them effective in Radio drama has been long, but has produced some interesting discoveries. Among these must be mentioned Raymond Trafford, who will take the part of Shylock in the programme of popular excerpts from Shakes. peare, at Chelms. ford on Mareh 3rd. This p F o. gramme will give listeners an opportunity of

twacana.
Miss MAVIS EENNETT, zoprano, will sing at Bournombuth on Marrf' 1 Mat, and at Londen on

hearing some really first-class elocu tion.

Mr. Trafford has had considerable experience troth as
an actor and manager, and he is widely known. For radio pur. poses, however, he has decided to veil his identity under the above nom de theatire. He is one of the few who have succeeded in zelect. ing and emphar sizing those details of stage-craft which can be effectively transmittel to a Wireless audience.

## Orchestra Leader at

 Seventeon. O interested was the great Joachim with the playing of the boy De Groot that he sent him with a letter of in-

mf. JOSEPH FARRINGTON, buss, wift sing from Londen on marelt 4 th .
troduction to tho head of the Amsterdam Conservatoire of Musio. It resulted in five years ${ }^{\text {a }}$ tuition there. At seventeen he was soloist and leader of the Amsterdam Opera House Orchestra, This was followed by a European tonr as a violinist. For twenty-five years he has lived and played in this country, and during seventeen of these he bes played at the Piocadilly Hotel.

A Dutchman by birth. De Groot has been for many yeara a naturalized


Waurice Brek at Hieten Hargregor. Mr. RAYMOND TRAFFORD as "shylock."

(cirmes, Mt. EUGENE GOOssens, who will condact the Bristol symphony Orchestra on March 4 thin from Gardift, Englishman, and possesses a churm which makes his perso zality always popular. His Sunday evening concerts are widely appreciated, and where once he Nos beatrice miranda.

received ten letters daily. since his consince his con-
certs were broadenst his postbag is now swollen to
nearly tweat ty times its former size. He and his orchestra will bs broadcast from the Piocadiliy Hotel on Sunday, March lst.
"Faust" by Radio.

THE Carl Rosa Opera Company would probably agree that during the years Miss Beatrice Miranda was with them they had no more popular or conscientious artist. She was asoprano of tho Britiah National Opera Company until last summer, and is now a favourite broadeasting singer. She will take the part of Margarita in the performanceot Gounod's Farst, to be relayed from the Birmingham Town Hall on March 7 th .


Maurike Hecke Heten Notgregor.
Mr, JOHN Qielgud mi "Romsa," He will perterm this part
texamide Herrol. Mis IREME SCHARRER, tha famous pla ist, who will troadeast from Newtestle on March) en March 5th.


## Pieces in the Programmes.

## A Weekly Feature Conducted by Percy A. Scholes.

## STRAUSS' PIANO QUARTET.

(LOKDON, Besamoing, RowaskMotri, Cabbify, Ant ahy Refay Stations, except Dundze, Tuurspay.)

MOST concert-goors have got beyond the stage of being pazzled by Strause, and, in any case, this Quartet is not going to puzala amyone who hears it on Thursday-provided they listen attentively, for it is one of its composer's catly worlis and is now over forty veus ofd. In this way it is not typical Stranss. It is Strauss trying his wings, and not soaring far abuve the famifiar "clastical" styles of Peeth. oven and Brahms-expecially Brahms.

Here is a quotation from an English criticism of 1904 -that of Arthur Jobnstone, then the music critic of the Manchester Gaarlian. Strauss, he asys, " here shows himself a better Histmainin than Bratme, avoiting all his notelels worst faults."

There are four separate pieces making up the whole-or as we aay, four "Movemente." The four instrumente used are, of coure, Piano, Viclim, Viola and 'Cello.

Qemet...The Frast Moyquent is efat in the othodos "First-Movement " form in which rertain Nain Tanes aro annomect in an Exposition," develoned in a "Development Section" and repeated in a " Recapitulation." Strauso was even so orthodox as to indicate the ofd-fashtioned repetition of the Exponition before proceeding to the development-a practice which is nowadays considered umeeessary in niost caees, Hence some players of this pieee ignore the "repeat."

The FIRNT MAIN TUNE is announced koftly by strusos in octaves. It is a brief phrase. There is a pause at its end, then it is foudly repeated by the 'Cello and the bass of the Piano, while Violin and Violn put above it mure florid melody. After two foutd chords, over a repeated bass is heard a little wave-Fike phrase in Piano and Lower Strings; this may be motect, as it is next in importance to the two Main Tunes.

Some considerable time is taken over the dizcuerion of these and other fragments of Tuner The SECOND MAIN TUNE takes long so come, but when it does come, it is impossible to missit. It is a big, broad, highly imparioned, Jong-winded melody, declaimed by Aus Sizisibs while the piankt sweeps up and down the keys.

The Development (followed duly by the Recapitulation) begins sa soon as this is oyes.

## II. NCHERZO.

This fifle has hecome a taclinical term, and partly lost its original meaning-a " Jest."

The form of this one is orthodox. Thero are three main divisions, the Third Part being a repetition of the First. This Pirst Patt ise col-titutesl as follaws :-
(a) The First Section, which bere contains as chief fentures a little octave skip, a fragment of flowing tume and another fragment of meforty composect of Httlo tupwart steps. The section is repeated.
(b) A Second Section, mueh longer than (a), is whieh these fragments are tossed from one instrument to another, and finally repeated mach as before.
The Kcoond Part is Mreh Slawer. and is entively maile out of a short, smonth phrase. One note persists in the Bass throughout.
The Finst Part, in it e repotition, procceds as hefore until, towards tho end, the Tune of the Second Part joins its.

## III.

Wouing Neality. This Movement is similar in form to the First Movement, but much more
lyrical. It is built up on two kong-libe Tunes, eauh of which is stated by the Piano. The secand one is preceded by a little figure of rapid deseent refterated by the Strings in turn. iv.

Licely. The meterial of the Lat Movement is very complex, and an attempt to follow it in detail, without a copy of the masic, would probably result in missing its spirit.

It is in "Rondo" form, that is, the material used at the beginning always returns before a fresh start is made.
Nors.-A Miniature Score of this work is published in the Universal Edition (Curwen, 24, Berners Street, W.1, 3s.).

## Most Popular Song.

## Which Is It?

Wreochtly published an artiele by Mr. A. B. Cooper, entitled "Which is the Mcost Popular Song \% " and asked listeners to send us their opinions. Our contributor voted for "Home, Siweet Home", "Amie Lanrie," and " Audd Lang Syne," witha preference for the latter, and many of the numerons letters we have received agree with this verdiet.

A number of correspondents, however, favour lesser-known songe.
" I think you vetuld have to go a good long way, writes Mr. Matthew Roach (Grimsby), "to find a song that can rival " Oft in the Stilly Night' for its beautiful melody and pathos," Mr. Willian Wilson (S. Chingford), gives equal place to two songs, "If the terms ' best beloved,' 'oftenest heard,' mast widely known' are taken as being indieative of popularity," he says, "it will be diffieult to displace 'Sally in Our Alley;' and 'The Britiph Grenadier.' Both are music, poetic and Waglish. By reason of their muric and poesy, they aro also clawsical.

## In Favour of Sullivas.

Mr. R. Gregory (Derbyshire) thinks that "we may be susceptible to different songs according to the frame of mind in which they find us, but a song that will stir our emotions, irrespective of the mood, is the most popular," and for this reason he puts "Home, Sweet Home " above all others.

Among other songs which readers bave chosen as being the most popular are "Auld Robin Gray," "Come to the Pair," Tosti's "Parted," "Annie Laurie," "Come Into the Garden, Mand"" and "Just a Song at Twilight," but mone favourcd than all these is Sullivan's "The Lost Chord."
"I have the experienee of playing to theatives full of people," writes Mr. Thomas Sharples, Twith it reasonable response to other vocal items, but with 'The Lost Chord,' the applanse has experseded all others by two hundred per cent."
To sum up, our post-bag shows the most popalar songs among our readers to bo "Auld Lang Syne," "Home, Sweet Home," and "The last (hord."

Sraveond's "Stabat Mater" and Vaughan Williams" "Mystical Songs" will be the chfief items of the programme to bo relayed by the Leeds-Bradford Station, from the St. George's Hall, Bradford, on Friday, March 13th. This concert will be given by the Bralford Festival Choral Society, and the principal artists will inctude Me. Raymond Hortley and Mr. Hmold Williams.

## Listeners <br> Letters.

## 

The Religion That Is Broadcast."
Deir Sir, - Will you allow me, as a priest (in the Church of England), and a schoolmastex to express my cordial approhation of the policy set forth in the officisl amoumeement in The Tadio Times? I am constantly voicing, in pablie and in semi-pablic, my appreciation of the work of the B.B.C., but I cannot thank you half enough.

Here and there, no doubt, a churehgoer is led. by inertia, to substitute a broadeast service for attendance at Divine worship; but a hundred times as great is the number of listenens who are induced by broadenat "religious addresses" to give unwonted attention to the things that matter the most ; while the B.R.C. is helping churchgcers to realize how much they hold in common with their fellow worshippers of ather denominations. The B.B.C. is tescling members of the various churches to understand one another botter, and one another's ideals, and is thereby doing something to dispel ignorance and prejudice, and to inculcate charity.
It carmot reasonably be expected that the B.B.C. should broadoast any "Bilequate" system of theology. That is part of the work of the Churches But broadcasting is certaindy strengthening the foundations on which theology, as well as religion, if built.

Yours, ete..
A. W. Levlany.

## Wireless For the Blind.

Dean sis,-With reference to the interesing article in The Radio Times on "Wireless for the Blind," by Captain Ian Fraser, I heartily agree with all that he says of the inestimable boon of wireless to the Blind, and letters from our readers in all parts of the country teatify to the added interest that the B.B.C. has given to their lives.

But Captain Fraser's reuark that it is exceptional for a man who has lost his sight in adult life to become a proficient finger reader, is apt to be misleading, and in this connection it may be of inferest to state that in the twelve months ending December 31st, 1924, the National Library for the Blind has issued 6,753 volumes in Braille type to ex-Service men,

Yours, ete.,
O. I. Prince
(Secretary and Wibrarian, National Library for the Blind.)
Westminster, S.W.1.

## "Lecturing the Uncles."

Drats Sirs,-Referring to Mr . Littlewood's article, "Ieeturing the Uneles," in The Radio Tines, it is not altogether surprising that his children do not thoroaghly apprecinte the Children's Hour, as he himself peems to have been bom at the age of forty or thereaboute. I am a "niece ${ }^{1 "}$ of fifteen, and can, perhap: understand what we girls and boys tike better than a father who appears to have forgotten his: own feclings at that age.

It seems rather ridiculous of him to attempt criticism of the Aunts and Uneles of "2LO." whom one would think were born specially to make chiddren happy, so perfectly do they understand what we will enjoy. Thry have not forgotten their own childhood.
There are not too many fairy stories, and to say that they are told in "a patronizing tone" is untrue, the most lovable characteristic of the Aunts and Uncles being their total lack of such a tone.

Yours, etc.,
"A Nrees or Fimpesn,"
West Norwoed,
(Continued on the facing page.)

## Listeners' Letters.

## (Continued from the previous page.)

## Too Much Modern Musio?

Deas Sir,-The excellent programmes of the B.B.C. are oecasionally marred by the produc. tions of our Moderns in musio and verse.

Some time ago a symphony by one of these Moderns was broadcast, and 25 drums (or, pierhaps, 50 drums) were introduced.

This was shortly afterwards followed by a "Symphonic Poem," chiefly devotod to the Triangle, I did not hear it ail, as a limerick was forming itself in my aind-something like this : For sensation our Modern will angle, And invett scores for Drum or Triangle, Why not write a Sonata,
Why not write a sonata,
Mass, Fuguo, or Cantata,
Mass, Fugue, or Cantata,
For Tooth-comb, Fret-saw, and a Mangle
Then there is the modern poet who not only writes pooms, but is allowed to recite them. I have heard bad peems well recited, and good poems badly recited; but wher one gets thecombination of a modern poetreciting his own joems, I think it is time to draw the line.

All honour to the work the B.B.C. is doing in educating the publio in music, literature, ecience, religion, and art. It is a mignificent task that they have set themselves, and in the main it is most ably carried out. But please, oh, please, let them spare us Modern Music and Poetry that is intended to be taken seriously, unless they have first deeided that it has some merit.

Yours, ete.,
Totley Rise, Nr. Sheffield.
H. J. B.

IIt is realized that to certain listeners modern musie is anathema. On the other hand, howover, there are many who not only enjoy this type of matter, but who like to hear it, whether they themselves are appreciative or not. As regards modern poetry, it is the policy of the B.B.C. to keep their listeners in touch with all literary; artistic, and intellectual movements which may be of interest to the general jublic.]

## Curious Interference.

Dear Sur,-Some of yotr readera often cousplain of interference with listening. I wonder ii anyone has the same complaint that we have Here?

There is in this road a man who has an eflectrical apparatus for treatment of rheumatism, and when he is using the same, it maloes such a rattling noise on the headpliones that we are bound to put them down, as it drownis all that is being spoken or played at "2LO." Everyone within a radius of three hundred yards gets it the same.

Yours, etc.,
"Stratpond."
In certain cases, electrical apparatus used for medical purposes cas seriously interfere with broadcasting, as in the case cited by this correspondent. It is probable that a great deal of the trouble can be minimized by enelosing the stray wires used in eonnection with the apparatus in metalic cases. Ideally, the whole instrument should be encaed in a metal covering, when all interference sloould be eliminated.]

## Big Ben Heard In Egypt.

Dear Sir,--Since October last year, I have been able to pick up Chelmsford on my experimental set containing four valves H.F. and two L. F.

I am living at Minia, 180 miles south of Cairo, with a desert on cither side, save for a mirrow strip of cultivation. This means that there is about 300 miles of desert, as the crow tlies, between Minia and the Mediterranean. Naturally, therefore, there is a great deal of atmospheric disturbance during the hot weather.

I receive Chelmsford now almost daily, pioking up the time signals from Big Ben, and most of the musical items, though speech is sometimes indistinet owing to atmospherics. Youss, ete.,
Minia, Upper Egypt.
R. W. C.

## "Pray Silence, Please!"

## Memories of a Well-Known Toastmaster.

$I^{F}$IF there is one man who, above most others, is competent to express an opinion on presentday oratory and public speaking, that man, I suggest, is Mr. William Knightsmith, the bestknown toastmaster and master of ceremonies, whose resonant, finely-modulated voice is often heard by listeners on the oecasion of great banquets and similar function.

There can be very few listeners who by now have not heard Mr. Knightamith announcing the familiar formula of "Your excellencies, my lords, ladies, and gentlemen," and who have failed to notice the expectant hush that follows.

## Children as Orators.

"In my thirty years' experience," said Mr. Knightsmith, when I called on him a few days ago, "I have listened to some thousands of speeches, made by the King and members of the Royal Family, Prime Ministers, ambassadors, distinguished forcign visitors, down to ordinary human beings like myself-yes, and children. I have officiated at many ehildren's functions, and I am not quite sure that, on the whole, I do not enjoy them better than those for grown-ups. My responsibilities are not quite so onerous, you see!

But, you ask me: Do I think that broadeasting will help to improve publie speaking ? My answer is that 1 certainly think it will ; in fact, I have already noticed an improvement in some instances Of course, the change for the better is as yet only very slight, and, possibly, it is not noticeable, exoept to anyone who, like me, knows the methods and mannerisms of the speakers I bave in mind ; but, still, it does exist. peakers, I have obscrved, tend to take rather more trouble than some of them usually do in preparing speeches that are to be broadeast, while others pay more attention to their delivery, as if they desile it to be more than ordinarily effective.

## In Unexpected Places.

The standard of publio speaking to-day, I think, is higher than it was when- I began my professional career. In those days there were, perhaps, more outstanding orators in publio life; but nowadays you may hear good speeches made by men-yes, and women-from whom one would hardly expeet them. Broadcasting, I feel sure, will assist in maising this standard, although on the part of some speakers I have noticed a curious hesitancy when they disoover that their voices are going to be heard by millions instead of by two or three handrad people. But this quite natural retioence will, no doubt, wear off in time, and I think that we may look forward to a day when, through the medium of the microphone, everyone will have a chance of hearing for himself what good oratory really means.

## A Trick that Failed.

I asked Mr. Knightsmith whether he thinks that speeches are likely to grow in length as a result of brosideasting. His reply was-shall I say ?-reassuring.

I am beginning to think that the day of the long speech is over." he said. "Speakers are mastering the art of being concise. Not so often nowadays does it become necessary for me to intimate to a speaker, as tactfully as I can, that time is up. It is not always easy, of course, to do this, and oocasionally 1 have to make conspicuous play with my watch before a speaker realizes that he is exceeding his allotted span.
"By the way, I remember that once this little trick of mine led to a speaker prolonging his eppeech, instead of cutting it short. The gentleman in question had overshot the mark by nearly five minutes, and I, therefore, took out my watch and held it so that, when tarning in my direction,

"You have given me the best laugh I have had for months, toastmaster!"
he could not fail to see it. Unfortumately, the moment be set eyes on the watch, it reminded him of a story about a watchmaker-and of he went again! Those who noticed the incident found it hard to conceal their mirth, and one noble lord facetionsly suggested after the ditner that next time I had better equip myself with an alarum clock:

## Celebrities with Mannerisms.

And talking of speakers," Mr. Knightsmith continued, " 1 am reminded of some of our best. known speakers' quaint little mannerisms which aiways fascinate me. Mir. Lloyd George, for instance, invariably finishes a speech by repeating the last sentence two or three times, and then murmuring under his breath: "Thevethat is all, I think; that is all. The exAmeriean Ambassador, Mr. Harvey, fi hardly happy when speaking unless he can refresh his lips every minute or so with mineral water. Mr. Hughes, the Australian ex-Prime Minister, will not begin a speech unless ho has pushed plate, knife, forks, spoons, and glasses, and whatever else may be immediately before him on the table, well out of his reach."

Why Lloyd Georgo Laughed,
Apropos of Mr. Lloyd George, Mr. Knightsimith tells a good story. He was officiating at a dinner given to General Botha at the Hotel Cecil. Now, the General liked to malse his speeches in Dutch, and to have them interpreted by an interpreter. It was of the time of the women's suffrage campaign, and feeting was rife on the subject all over the country.

During this particular dinner, a man sympathizer got upand began to address the company, but Mr. Knightsmith managed to eject him unceremoniously before he had got very fiar. As soon as General Botha got up to speak, another man sprang to his feet and began to talk. Mr. Knightsmith was behind him in a moment, and, placing lis hands on his shouldets, endeavoured to keep him quiet. There was a moment's pause, and then a terrifio peal of laughter from the guests. The man so abruptly silencod was the official interpreter 1

Mr. Lloyd George, who was in the chair, turned to Mr. Knightsmith and said: "You have given me the best laugh I have lad for monthis, toastmaster !"
K.B.

## WIRELESS PROGRAMME-SUNDAY

The lelters "g.8," printed in lfalies in these programimet
itgnify a simultanous Eroatcast from the slation men-
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Contioment of 28 vore A. Contiagent of 28 volees अHE LONDON WELSH MALE CHOU Conductor: HORATIO DAVIES GWLADY8 NAISH (Sopteng?
MADOC DAV1ES (Baritone).
12. PUPCEL. JONES (Solo Violoneello).
The Clioic. Rhyfelgyreh Gwys Harlech of the Men of Harlech ") Feasting I Whateh $\rightarrow$ (Enaccurn T, T, R.B EAjgar (11) "The Viking Song ${ }^{4}$. . Coteridge-Taytor (2) Gwladys Naist.
Heaven" ....... T, Osborne Rotwin Wood Fairies at nuhert Wilfred Jonies Nant y Mynydid " (The Mountain Stream ').......... Mintiom Drvice R. Pureell Jomes.
"Wekh Rhapody" . R. Purcell loner Madoe Davicts.
Silent Noon".. B. Faughain Willians Vagaboud " . R. Faughan H allione (i) Whither Must I Wander ?
fl. Woumhat IFIlliañ (1) "I Love the Jocund Dance
H. Walford-Dacies
*O mor ber in $y$ man " ("In the Sweet
Bor ber yn ${ }^{\text {y man }}$ (.In the sweet
Bye-und-Bye ${ }^{11}$ ).......... D. Protheror Bye-und-Bye ") .......... D. Protherow
O Peaceful Night ${ }^{2}$..... German (II) O Peaceful Night ${ }^{\text {Ondaros in }}$ ".... E. German (II) If I Had But Two Litt Wings ${ }^{*}$......................
 The Niahtingale
(First Performance.)
The Lover's Leap" ${ }^{\text {TH }}$. ...... R. S. Hvighes R. Furcell Jones.
"Two Welht Idylls "...R. Puncelt Jones Mados Davies.

* Rhyfelgyreh Cadben Morgan " (" Captain Morgan s March ${ }^{\text {" }}$ ) . arr. A. Somervelf (1) Robin Ddiog" ("Lazy Robin"
art, W. Hubert Davies Bugail yx Hafor" ${ }^{\text {B }}$ (" When I way a Sliopherd $\geqslant$ ) .... arr. A. Somercell (1) Weth fynd efo Deio-i Dywyn" ("With David to Towyn ")

F: W. Habert Dacies
The Choir
*Teyraged Carind " ("Lovely Maiden ") D. Pughe Euans

* Down Amang the Deat Men to (Old Euglish Air) arr. I. Vamphan FiRians (15) Y Delyr Aur " ("The Golden Harp") arr. D. Paghe Excans The Long Day Closes " (Unaccompaniod) Suptionat (11)
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. . Mazart
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Gounod (1)
Rose Softly Blooming Spolir
Hair
My Mother Bith Mo Bind My Hisir "
Lo, Here the Gentle Lauk ". . Binhop (With Flute Obbligato by W. HERD.) Alice Couchnan.
Rhapsody in \& Minor, Op. 70.
Brahons
Scherzo from Sonata, Op, 35
Chopin
Polomise in

> Alice Vaughan.

June Roses wa $3 . .$. / Francese
The Orchestra.
(mpliony Wo 4, Op. 90,Italiany H. ............... Mendolssohn Allegro Vivace; Pilgrims' Mareh: Moderato con Moto : Salterello.

Emily Broughton.
The Song of the Palanquin Bearers
Martin Shaw (2)
A Blackbird Singing ".... Michact Head Listening " ............... M, Besly (2)
Butterflie
In the Gar Alico Couchman
(ex ${ }^{1}$...............
Stherriatchec:
Polonatse in D ............. Mosekoreshai
Characteristio Piece. Graishopper:\% Dance " . . . . . . . . . . . . . . . . . . . . . Bucatossi
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Italian Air: Runvim Air ; Spain.
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8.15-9.0.-WELSH SERVICE.
S.B. from Koudon.
9.0.-DE GROOT AND THE PICCADILLY ORCHESTRA. S.E. from London.
10.0.-WEATHER FORECAST and NEWS S.B. from Loidor.

Local News.
10.15.- De Groot and the Piecadilly Orchestra (Continuer).
F0.30.-CYoso down.
6BM BOURNEMOUTH. 385 M .
s.0-5.0-ST. DAVID'S DAY PROGRAMME S.E. from Londoit.
5.0-5.30-CHILDREN'S COIRNER. S.B. Jrom London.
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S.B. Jrom London.
THE J. H. SQUIRE CELESTE OCTET DAVED OPENSHAW (Bass). MAVIS BENNETT (Soprano)
DASTD DAVIES' WELSE MALE VOICE PARTY
9.0 Vvorture, Infroduction atid Rondo Capris-
 Sceno do Ballet " Metcalle (1)
De Berilot
9.20.

David Open-luew.
David Open-luew.
speak, Earth, Speesk " ........ Dickeon (5)
25.

Silvetion of Arthur Sultivan's Songs ${ }^{\text {st }}$
arr. Hchlyy (i)
9.40

Hen Whate iy Voice Parts
Amer, arr. Dicks (25) Violin "On Winge of Song", Mendetesofin tolos ("Les Ronsies des Lutins " Bursini (Soloist, MAYER GORDON)
10.0. WFATHER FORECAST and NEWS. S.B. from London. Locat News.
10.15.

Nocturne"...........
Mayis Bermett.
Since the Dey" ("Depuis le Jour "') Solveig's Song" ...................... friay
1.25. Male Voice Pacty:

Martyrs of the Anena "...... De Mitle (2)
The NEolian Lyre" ................ Diche (25) Cxm Rhonddis" .........tint.... Hughicy

Mavia Remets.
1 Know That My Kedermek Liveth" ("The Messiah") ................... Handel Ootet (Strings onty).
Ctod Is a Spirit "...Stcradate-Berarat (11) Abide With Me "
10.30. David Openshaw.

Nearer, My God, To Thee.:
The Wiy faret's Night Song
Earthoper Murtin (5)
10.55

Grande Visise
Octer.
11.0.-Cleso down.

5WA CARDIFF. 351 M .
3.0-5.0. SR, DAVID'S DAY HROGRAMME. S.B. from London.
$5.0-5,30$ - CHILDREN'S CORNER. S,B. Jrom Lendon.
8.15-9.0.-WELSH SERVICE. S. S. from Loudon.
9.0.-DE GROOT and THE PICCADILLY ORCHESTRA. S.B. from Londom.
10.0.-WRATHER FORECAST and NEWS.
S.B. from Lomion:

Kocal Nows.
10.15.-De Groot and the Pifcoditly Orcliestra
(Contimued).
10.30.-4 The Silour Fellowship.
10.45. - Close down.

## 2ZY MANCHESTER. 375 M .

## 3.0-5.0. A Welsh Programme.

1.ENA GRTFFITHS (Contralto). H. MOSTYN PUAH (Tenor): THE " 2ZY " AUCMENTED ORCHESTRA
Conductor, T: H, MORRISON.

> Orchestra.

Overture, "The Harpens of Wales"
Carl 5olti
Setection, "Catmbria" ............ Bonnifscau
A nuruber eraingt a murical item indicates the na me
of its publisher. A key list of publisbers will be found on
pase 447 .

WIRELESS PROGRAMME--SUNDAY (Mar. Itat)

The lettors "s.e." priates in italics in these programmes signily a Bimultanooin Broadeast from the station men-
figesd.
H. Mortyn Pugh.
"Yr Hên Gerdtor" …...... D. Pugh Eruans Gwlad y Delyn ${ }^{12}$ $\qquad$ Johin Hewry
Cartref" $\qquad$ Ovehostra.
Wetsh Rhapaody " ................ German
Y Buthyn Bach To Gwelle
Trasghon II illiams

- Dafyda $Y$ Garieg Wen Orchestr. Arthur Somervell
Orchestra, Fantasie on Wehin Ains" ("The Loek")
Myddlanen
"Cymise Charm" .............. Trave Jones
H. Mastyn Pugh.
"All Thwough the Night"...| $T_{\text {raditiontal }}^{\text {"Tho Aaht Grove "...........) }}$
"The Dimpled Che
Orchestra.
"Brythonic Overtare" ...... Hopkin Erams
"Jteminiscences of Walos" arx. E. Godfrvy
"My Little Welsh Home"
"Moors of the Falley". Greyna Will Mama
"God Bless the Prchestra. of Nates."
Welsh National Anthem,
$5.0-5.30$ - CHILDREN'S CORNER. S.B. from L.ondon.
8.0.-S. G. HONEY : Talk to Young Peoplo. 8.25.-Euglish Hymmat, No, 211, St. David's Day Hymn.
Relifious Addres by The Rov. R, T. ROBERTS, of Weasto Weds Presbyterian Church.
English Hymnal, No. 108, "Who is This with Garments Clory $y^{74}$ " Savtour, When in Dust to Thee."
0.0.-DE GROOT and THE PICCADILLA ORCHESTRA. S.B. from London.
30.0.-WEATHER FORECASI and NEWS. S.B. from London. Locat News.
10.15.-De Croot and Thu Piceadilly Oreliestrad (Continued).
10.30.-Close down.

5NO NEWCASTLE. $\quad 400 \mathrm{M}$.
3.0-5.0.-ST. DAVW'S DAY PROGRAMMIE. S.B, Jrom London.
5. 5.50 - CHHLDREN'S CORNER S.t. from Dondon.
8.15-9.0.-WELSH-SERVICE. S.B. from Lendon.
RO. PHHLHARMONIC CONCERT. Relayed from
9.30-10.30.-Progranme 8.B. from London.

2BD ABERDEEN. 495 M .
$3.0-5.0,-$ ST, DAVID'S DAY PROGRAMBIE. S.E. from Landan.
5.0-5.30-CHILDRENS CORNER. S.B. from Lundon.
Si30. St. Fittick's Parivh Church Choir : Choirmaster-E. G. TAXLOR.
Psalm 124. Tune "Old 124th."
Hyinn No. 233.
The Rev, JOHN GORDON, M.A., St. Fittik's Parish Chureh: Beligioua Address.
Anthem, "The Lord is My Shepherd". $\mathrm{Smar}_{t}$ (Soloist-IVVELYN WALKERE)
9.0. WTLLAN SWAINsON'S "SERVICE' CHOLR;
WHLAAN SWAINSON. Conductop-WILLAN SWATNSON.
Wrices Trusure " Bach (i1) Motet," Jenu, Priceless Truasuro Bach
Choral, "Jesu, Pricelens Treasure"" "So Thero is Now no Cosudemination." Choral, "In Thime Arm I Rest Me." Trio. "Thus, Then, the Jow of the Spirit.
"Death, IDo Not Fear Thee."
${ }^{\text {" }}$ Ye Aro. Not of the Elesh But of the Spirit."
Choml, "Heuce with Rarthiy Treosure."
"Fare Thee Well.?
"He That Reiked Chefist UP Frami the Dead.
${ }^{\text {n }}$ Dead. All Fears and Sadness-
9.25. THF WIBELESS TRIO.
0.35. Selected Hymin.

Two Psalms .................................Hold
3.45. Toleted Hymins. Trio.

Selocted Hymns.
10.0.-WEATHER FOREGAST and NEWS. S.B. from London. Local Naoss
10.15 - DE GEOOS and THE HCUADH.IS 10.30.-OLoso down. S.B. from Liondon.

5SC GLASCOW.
420 M .
$3.0-5.0 .-$ ST. DAYID'S DAY PHOGRAMME. S.B. from bomdon, CORNER. S.B. $5.0-5.30 .-$ CHILDREN'S CORNER. S.E.
from Londom. 6.30-7.45,-Roligionis Forsice, rolayed from tho Barony Parigh Church.
8.0.-DE GKOOT and THE PICCADHLY ORCH ESTRA. S.B. from London.
10.0.-WEATHER FORECAST and NEWS. S.B. from Londort Local News,
10.15,-Do Groot and The Piecedilly Orchestra (Continued).
10,30.- Close down.
A number ageinat a musieal item iadigates the name
of its publiaher. A key liat of publisiors will be found on of its publither. A koy list of publishers will be found on
pire 497 .

High-Power Programme.
(Continucd from colwmi 3.)
9.30.-WEATHER FORECAST and NEWS. S.B. from Londom.

Sir OLIVER LODGE. S.B. from Lowlon.
10.0-11.0. THE SAVOY BANDS. S.B. from London.

WEDNESDAY, March 4th.
5.30-6.15. CHILDREN'S CORNER. from London.
6.40-10.30.-Programme S.B. from LondoH. THURSDAY, March 5 th.
5.30-6.15--CHILDREN'S CORNER. S.B. from London.
6.40-7.30.-Programme S.B. from London.
2.30-8.50
PHILIP RITTEA COinment by
EHCERT

DORIS COWAN.
ETHEL WILFORD.
TINA FOSTER.
PHILIP RITTE,
GEOFEREY DUPREE.
WILL EDWARDS.
8.50-9.50.-Programme S.B. from Mancheater.
9.50 (approx.), WEATHEIS FORECAST and NEWS. Relayed from London.
10.0-11.0. THE SAVOY BANDS. S.B. frum London.

FRIDAY, March 6th.
5.30-6.15.-CHDDREEN'S CORNER S.B. from London.
6.40-10.30.-Programane S.B. from London.

SATURDAY, March 7th.
5.30-6.15. - CHITDNEN'S CORNER, S.B. from Londom
6.40-7.30.-Programane S.B. from London. 7.30-9.30.-BALLAD CONCERT, S.B. from Glayos.
9.30-10.0.- Programine S.B. fróm London.
10.0-12.0-THE SAVOY BANDS. $S$ B. from
L.ondon.

High-Power Station Programme.
5XX.
1600 M .
SUNDAY, March 1 st.
3.0-5.0.-Proyrmme S.B. from London.
5.0-5.30.- CHILDREN'S CORNER. S.B. froif Lonidor.
8.30-- Нуmи, A. and M., No. 261.

Bible Reading.
Authem, "By the Watens of Babylon" Coleridge-Toylor (11)
Addreas by Monseigneur N. P. BROW,
Auxiliary Bishop of Southwark.
Hymm, A. and M., No. J20.
9.0 -10.30.- Programme S.B. jruan London.
5.30-6.15. MONDAY, March 2nd.
5.30-6.15.-CHILDKEN'S COKNER. S.B
from Lonion.
6.40-9.0.- Prognanme S.B. from Londor.
9.0.9.30. - Speches by the Rt, Hon, Sir W

JOYNSON-HICKS, Home Seentary and Mr. PERCY BIEST, Chairman and
President-Elect, relayed from t
I.A.R.D. Dimer at the Savoy Hotel,
y.30-10.30.-Programene S.B. jrom F.ondor

TUESDAY, March 3rd.
5.30-6.15.-CHDIDREN'S CORNER. S.BS,
from London.
6.40-7.30.-Progromine S.B. froin London,

Popular Excerpts from Shakespeare.
Produced by R. R. JEFFRICY,
Incidental Music by
THE SNOW STRING QUARTET
(JESSLE SNOW, KENNETH SKEAPINE, ERNEST TOMLINSON, EDWARD 3 . ROBINSON).
Shakenpearean Songs aung by
DALE SMITH (Baritone):
7.30. The Quartet.

Movements from Quartet in A Minor
Andanto-Mrinuetto.
7.45. Andame ROMEO AND JULIET?
(Balcony Sicone.)
Act H., Seene 2.
Romen ................... JOHN GIELGU1

8.0. Nurse Dato Eimitl.
Old Settinga of Shakespearean Lyrios
"When Daisies Pied"
"Under the Greenwood True") Anic (25)
"Crabbed Ago and Youth"" ....., Horn (1)
"When That I Was But a Little Tiuy
"It Was a Lover and His Jass" Morley, arr, Koel (1) 8.12. TTHE MERCHANT OF VKNICE.
(Loan and Trial Scenes.) Act I., Soene 3.
$\qquad$ RAYMOND TRAFFORH Shylock ...... RAY...... HENRY OSGAR Bassanio +................. HENRY OREAR
Duke ............... GEEORGE SKILTAN
Antonio ….........FRANK RANDEL.
Salarino ......... HAROLD GAMBREL.
Shylock … RAMOND TRAFFORD
Bassanio ……....... HENRY OSCAR
Nerissa ....... DOROTHIE PANTLING:
Portis ........................ JOY CHATWIN 8.47.

The Quartet.
"The Londonderry Air
Dale Smith.
arr. Frank Bridyo
Three Shakespearean Songs .... Quitter ( 1 )
"Come Away, Death"; "O Mistrese Mine"; "Blow, Blow, Thou Winter 9.10. Wind.

$$
\begin{aligned}
& \text { KING HENRY V } \\
& \text { (Wooing Scene) } \\
& \text { Act V., Scene ? }
\end{aligned}
$$

Henry V. ........ GEORGE SKILLAN Queen Katharine DOROTHIE PANKLING 9.20. The Quartet.
 tale."
Continued in ihe previour coluran.)

## WIRELESS PROGRAMME-MONDAY

(March 2nd.)

The latters " $8, B$." priated in Italits in thase programmes
aignify a simaitaneews Ereadeast Iram the station mon210 LONDON.

365 M .
3. $55-3.45$-Trammission to Schools: Mr. GEOFFREY SHAW on "Musie."
4.0-5.0.-Time Signal from Grecnwich. ${ }^{* *}$ Vognes and Vanities," by Carmen of Cockaigne. Musid performed during Afternoon Tea at the Frocadero. "Famous Old Castles (1) Amboise in Touraine," by Helen Townroe.
6.30-6.15.-CHILDREN's CORNER: "Animals I Have Met- The Moore," told by Capt. H. G. Mansfield. Musie by Auntie Sophie.
6.40-6.55.-Mr. LOUIS J. MeQUILLAND "A Glimpso of Ireland."
7.0.-TMME SIGNAI FROM BIG BEN. WEATHER FORECAST and 18T GENERAL NEWS BULLETIN. S.B. to all Stationit.
Thlk by the Radio Asbociation. S.B. to all Statioms.
Prof. J. E. G. DE MONTMORENCY "Mercantile Law." S.B. to all Stations. Local News.

## Popular Might.

LIA FELI\&8A (Soprana). FRED ARNOLD (Baritone). W, A. PETERKIN (Bass). OLLY OAKLEY (Solo Banjo). FRANK TULLY (Entertainer). THE WHRELVSS ORCHESTRA: Conducted by DAN GODEREY, Junr.
6.35. The Orcliestra.

March, "The Peacemaker" . . . $\qquad$ . Lolter Overture, "The Maid of Artois
Overture, "The Abid
Lee Felissa.
. . . Balfe
Spring
Leb Felissa.
G. Henschel (1)
"The Nightingale Has a Lyre of Gold, Landos Ronald ( $\%$ )

## Olly Oakley in

Items from his Repertoire. W. A. Peterkin (with Orehestra), Vulcan's Song (" Philemon and Baucis"')
"Thon'rt, Pasaing Hencw". Gounad
8.0. (appros.) The Orchostris. Waltz, "The Blue Danube" Sullioan Selection The Belle of New Y Slinazes Kerku

8.30. (approx.). Fred Amold (with Orchestra). Honolulu ${ }^{\text {r }} \quad$. . . . . . . . . . . . Goldstein Golden West ${ }^{3}$ (Vitlse)......... Nreholls *Am I to Blame t". .........
Suite, "Three Arabian Dances" . . . . Ring Lea Felissa.
Song of the Open " . ... Erank la Forge "Dong of the Open "... Nank Montugre Phillips
9.0) (approx). Olly Onkley in

Further Items from tis Reportoine. W. A. Peterkin (with Orcheatra).

Sombre Woods
Jully (1)
Myself When Young
The Orchestra.
Intermezzo, "The Coster's Wooing "
Rimuner
"Spring Song " and "The Bees' Wetding"
Merdelssohn
9.30.-TYME SIGNAL EROX GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S.B. to at Stations.
Mr, CL.AUD MPULLINS, Barrister-at-Law, on "London's Government" SiB. to other Stations.
Local Newz.
10.0. The Orcheatra.

Selection, Primrone ${ }^{\text {* }}$ P.....
Frank Tully.
n. an Tmpersonation of the Famoins Ameriean Humorist, Walter 0. Kelly, ns "The Virginian Judgo.

Tie Orchestra.
Chinese March, "Kwang-Hzu" . . . .Jincke 10.30.-Close down.

$5 I T$ BIRMINGHAM. $\quad 475 \mathrm{M}$.
3.30-4.30.-Tho Station Wind Quintet. Albert Townsend (Bises),
5.0-5.30.-WOMEN'S CORNER: Sidney Rogens, I.R.H.S., Topical Horticultural Hints. Flormeo Cleeton (Soprano).
5.30-6.30.- CHILDREN'S CORNER,
6.30-6.45.-Teens' Corner: Norman E. L. Guest, B.A., History Talk, No. 9, "Manufacture and Commerce.
7.0.-WEATHER FORECAST and NEWS. S.B. from London.

Radio Association Tatk, S.B. from London,
Prof. J. E. G. DE MONTMORENCY
S. B. jrom London. Local News.

## Music and Plays.

THE BARNARDO MUSICAL BOYE THE STATION COMPANY OF PLAYERS 35.- Handbelle, "Brica- Brac ". .... Coote sleigh Bells, "The Green Hills of Tyrol"
Miniature Chimen,"

> CGems of Erin"

Tandolines, "Temmanine Pollas". Eletcker Xvlophones and 'Puberhones, "The Cordon March ${ }^{74}$. ........................... . . Ellin
 Ocarinis, "If Winter Comes" ..Temant Marimbaphones, " Autumn Leaver HindboHs, "Land of Hope and Clory"

CHEOK MATE (Androw Hultidey).
A Farcieal Comedy in Two Acts. Henry (Waiter at the Plantagetiet Hotel)
PRANK V, FENN
Miss Churlotte Rusee.
EDNA GODFREY-TDRNER
Martha Bum (Her Maid)
HITDA POWIS
Sir Fverton Toffee., E.STEARTVINDEN Sam Winkle (His Groom) WILLIAM MACREADY
Botiles . . f (Ser-) GEORGE ROBERTS Mary Ann (vants) (....EDNA LFSTER Aet I. - The coffee room in a Country Hotel.
Aet II.-The garden at WThe Grange.
9.30.-WEATHER FORECAST and NEWS. A.B. from London.

Topieal Talk, Local Nows.
10.0 "SALLY SELLS OUT: (H. E. Httlrolh).

A Play in One Act.
Sir Andrew Hallidas
WILLTAM MACREADY
Polson (His Sorvant) FRANK V. FENN Sally (A Flower Girl)

PDNA GODFREY-TORNER
Scene-Sir Andrew's Chambers, Mildmay Square, London.
10.30.-Close down.

6BM BOURNEMOUTH, 385 M . $3.45-5.0$. Fashion Talk to Women by Louis de Meyo. The ROYAE BATE HOTEL DANCE OFCHESTRA. Reginald Bevan (Baritome)
5.0-6.0.-CHILDREN'S CORNER
6.0-6.30.-Scholars Half-Hour: i Dud Dudloy," by Mr. Georice Giuest, B. A., J.P.
$0.30-4.45$-Bulletin of the Radio Societies of Bournemouth and District. Talk by Major J. Compton, M. B.E., T. D.
7.0. - WEATFER FORECAST snd NEWS. , B. from London.
Radio Associttion Thallsv \&.B. from formdon Prof. J. E. G. DE MONTMORENCY. S.B. from Ioniton. Local Nows.

England, Ireland, Scotland and Wales.
HEBERT CARTER (Tenor)
NORMA FLEMING (Dialect Tales).
WYNNE AJELLO (Soprano).
THE " 6 BM " CHORUS
THE WIRELEAS OREHESTRA Condueted by
Capt. W. A. FEATHERSTONE.
7.35. ONGLAAD
Fantasia, "The Orchest "
Fantasia, "The Flose" ...... My Malleton Hubert Carter, Wynne Ajello, and Chorus. Come, Lassos and Lads Tom Bowling
We All Love a Pretty Giri , , Traditional Bid Me Diseourse

Bishop
Rule, Britannia 1" ............ Tradtionial
7.55.

The Cattle Thief." Fleming
HRELAND.
Fantasia, "The Shamroek" . Ayyddleton
Hubert Carter, Wynwe Ajello, and Chorus. The Farp That Once Thro-
Tara's Halls
The Last Rose of Summer
The Cruiskeen Lawn
The Irish Emigrant"
The Minstrel Bay "
8.35.

MeGinty.'
In service"
Norma Fleming.
SCOTLAND.
8.30. Orchestra.

Tradifional

Fantasia, "The Thistle"
Winifred Lells

Fantasia, The Thiste ...... My Mddleton
Hubert Carter, Wynne Ajeflo, and Chorus. Come Under My Plaidie
Will Ye No Come Back
Agnin ?
Annie Laurie
Hunting Tower ${ }^{\text {" }}$
"The Laird ${ }^{\circ}$ ' Cockpen"
Sumuders Norma Eleming.
Stunders MeGlashan's Courtship"
Me and Him.
WALES.
9.0. Hubert Carter, Wynne Ajello and Cliorus. Loudly Proclaim
All Through the Night
Saint David's Day
David of the White Rock
Tradetional
The Men of Haleeh
9.15.

Reminiscences Orehestra,
9.30.-WEATHER FORECAST and NEIT S.B. from London.

Mr. CLAUD MULLINS, S.B. from Lonidon. Local News.
10.0. Half-an-Hour with the Orehestra.

Three Danees, "Henry VIII" German (II)
Patrol, "The B hoys of Tipperary" Ahers
Overture, "Plymouth Foe ${ }^{11} \ldots .$. Ansell
Patrol, The Wee Macgreegor : .... Amers 10) 30,-Close down.

## 5WA

CARDIFF.
351 M.
3.0-4.0.- Falkman and his Orchestre, relayed from the Capitol Cinema.
4.45-5.15.-"sIVAS ${ }^{*}$ " FIVE OCLOCKs."
5.15-6.0-CHLLDREN'S CORNER.
6.40-6.55.-Dr. Jsis, J. Simpson, M.A., D.Sc.

Romances of Natural History.
7.0.-WEATHER FORECAST and NEWS AB. from London
Radio Arsociation Talk. S.B. Arom Lowdon:
Proi. J. E. G. DE MONTMORENCY, S.B. from London. Local News.

NORA DELMMARR (Soprano)
THE STATION ORCHESTRA
Conductor.
7.35.

WARWICK BRAITHWATIE. Orchestra.
Selection, "The Grand Duchess "Offerbach Nora Delmirr.
Love's Old Sweot Song " . . . Molloy (1)
By the Waters of Minnetonka "Lieusance
If 1 Were a Lark
Clutsam

of its publ
pase 147 .

## WIRELESS PROGRAMME-MONDAY

The fetters "s.B." printes in itsties in these programmes tipnify a simutlanoous Broadeast from the station men tioned.
Orehestra.
Overture, .. The Merymaleers ". . . Confed
Owing to Numerous Requests.
8.10. Owing to Numerous Requests

THE LOCKED OHKST.
(John Masefield).
A Play in One Act.
Pexformed by the" 5 WV " Radio Pleyers
9.10.

Selection, "Coppolia" . ... Delibed-Walton
9.30.-WEATHER FORECAST and NEWS S.B. froms London.

Mr. CLAUD MULIINS, $S . B$. from Londor. Local News.
10.0.
"A May Morning Delmarr.
"A May Morning " . . . . . . . . . . . . . . . Densa "Garden of Happiness " . . Daniel Wood (5)
10.15.

Sotivenir of Vrennestras.
Souvenar of Viemna
..... Sporl (4)
Neopolitan Taruntelle ii
$\ldots$......... Mertronto
10.20.-Close down:

## 2ZY MANOHESTER. 375 M .

3.0 3.30.] Musie relayed from the Oxford $4.0-4.30$. Piotura Theatre. Conductor, \& $3.80-4.0$ - Broadentin

Juniors) : Senondary Sehools (Juniors) : James Berasird, "The Story of Dogberry and his Night Watehman (Shokespeare-:" Much Ado Ahont Noth. ing.")
4.39-5.0.-WOMEN'S HALK-HOUR: Edward Tettow (Teuor)
5.0-6.0.-CH11.DREN'S CORNTER.
6.30-6.55,-Mr. J. F. Rameoll oil "Mitsical
7.0 Apprecistion " (9).
7.0-WINATHER FORECAST and NEWS. S.B. from London,

Pudio Association Talk. S.B. from Lowdon.
Prof. J. E. C. DE MONTMORENCY S.B. from Londoni:

Hoeal News.

## Symplrony Concart.

REGTNALD WHITEHEAD (Bask)
THE $27 Y^{*}$ AUGMENTED
ORGEESTRA
Conductor, T. H. MORBISON.
7. 35 , Orchestra.

Overture, "Ray Blas", ...... Mendelseohy
Valean's Reginald Whitebead.
Vuloan's Song" ("Philemon and Baucs ") ©.................... Gomuod (1) O Isis and Osiris" ("The Magie Elute") Oreliestra.
Symphiny from the New World, No. Is in E Minor . . . . . . . . . . . . . . . . . Dhorak Adagio: Allegro Molto; Jargo ; Suherzo: Allegro con furoco.

Rioginald Whiteliead.
Bonnie Goorge Campleil
"When Dull Carn"
Old English Meloly-ari. Lane TV "The Three Comrades". . Hank Rennani "Morning Hymn ${ }^{*}$.

Hakw Hermann Orchestra.
"Andante Cantabile"
Thiatkueshy Suite, " The Tvo Pigeons 9.30.-WTATHER FOREUAST and NEWS. S.B. from Lowdon.

Topical Talls Local News.
10.0. BRET HAYDEN (Eitertainer).

A Few Remarks.
${ }^{45}$ More Remarks,"
*Further Remirks."
10.30.-Closo down.

5NO NEWCASTLE. 400 M .
3.45-5.15.-Winifred Gribbin (Mezzo-Boprano) Eva Taylor (Solo Concertina) L. A. Nieholson (Solo Violin) Me, G. M. Faten (Dramatie Reeital). Mreekly News Letter.
5.15-6.0.-CHILDREN'S CORNERE.
6.0-6.20.-Scholars: Hall-Hour.
6.35-66.50.-Farmers' Comer : Mr. H. C. Pawson, "The Uses of Limo,"
7.0. WEATHER FOREOAST and NEWS, S.B. from Londors.

Radio Association Talk. S.B. from Eondon Prot. J. E, G. DE MONTMORENOY.

SiE. from Londori. Local News.

## Old Favourites.

JOHN COLLINSON (Tenor). WALTER TODD (Entertainer)
THE "5NO" REPERTORY COMPANY. THE STATION ORCHESTRA: Condustor, EDWARD CLARK.
7.35. Orchestra.
7.45.

The Ervinefble Sagle
"Tom Bowling"
olm Collinson.
Oft in the Stilly
i)

Yo Bunks and Bracs ${ }^{\text {ir }}$
G. $H$.
"Sweet Generiovo " . . . .
53.

Orehestra.
Selection, "Fanst"
Jolun Colliniorn.
8.n. .T Hear Youlan Collinion. Goumart-Taran
"I Hear You Calling Me"
Marshatl (1) Parted "
Abeent", King, Kind, Kind and Gentlo Meforlf $(1)$ Richardson (34)
"The Runaway Gint" Cary"t and Monetion Repertory Company:
"THE YOUNG IDEA (Herbert Swocara).
A Comedy in One Aut.
Cast:

Mra, Jorrimer (A Widow) NORAH B, AT.LS Nancy (Her Daughter) MARY KNYVITTT Scene-Nancy's Den at hee Mother's Hotse in the Country.
9.0. Orchestra.

Dances from "Nell Gwyn"
Waltar Todd.
German
"Ye Goode Olde Days "

- Herbert (13)

One Little One More " .
9.90. "Sizilietta"

Orchestra.

9.30. - WEATHEF FORECAST and NEWS.
S.B. from Lovidort.
Topical Tallk: Local Nowe.
10.0 .

Orobestra.
Berlioz
10.10. Walter Todd.
"Potted Geography"
Poumda (3)
10.20. Orebestra.

March. "On the Qnarter.Deck " . . AJfor? 10.30.-Close むown.

## 2BD ABERDEEN. 495 M .

3.30-5.0. - The Wireleas Dance Oreheatra. Feminine Topics.
5.30-6.0.-CHILDREN's CORNER.
6.15-7.0.-Girl Guides' News Bulletin: Elaie Shaw, Brown Owl of the 12th Pack, on "The Brownie Recruit Baige." Boy Scoutst. News Bullotin: Cubmaster John Winning on "Cub Badges-Group 3. Service."
7.0.-WEATHER PORECAST and NEWS. S.B. from London.

Radio Association Talls. E.B. from London.
Prof. J. E. G. DE MONTMORENCY. S.B. from Londor, Local News.

> A Light Programme.

HELEN MOINTOSH (Soprano),
F. G. MORDAUNT'S PARTY.

BESSIE JENKINS (Contralto). THE WIRELAESS OPOHESTRA.
7.35. Orchestra.
Seleetion, "A Country Girl " . . Monction
March, "Irỉh Patrol …...... Pererner
7.45. Helen MeIntash.
"My True Love. Hath My Heart.
"Twilight io a Maiden Fair ".... Ohuter
8.0. An Hour of Poetry Reading and Fairy Music.
Arranged by F, G. MORDAUNT and

Soloint, BEESTE JFNFINS.
Hynd Horn
"Three Men of Gatham " ...... Peacorta
Sister Helen $\qquad$ D. (7. Rosetti

Fairy Lave Song "' . Kennedy-Fraser (1)
Say, Love, If IEver 'Thou Did'st Find
Sormow Doutand's thind book of Aire
Song from the Arraignment of Paris"
"Fairy Plaint " ....... Kertiedy-Fraser(1)
"On a Wet Day "
TPoonta of Galuppi ${ }^{* 3}$...... Brovening
Melmillo ".. de la Mare, Merste by Cavey Fairy Walking Song"
"Phyllidn's Jove Call ${ }^{\text {Kennedy-Praser (1) }}$ Helicen
"Arnan Water" $\qquad$ $\ldots$ Traditiontat
"True Thomas "
"Overheard in a Sa $\qquad$ - 1 radatimpa
"Overheard in a Salt Marsh" .... Monavo
9.0. Orchestra.
Selection, "Here and There ".. Chapperle
Overture, "Kumonss of Donnybrook"

9.30.-WNATHER FORECAS' and NEWS.
S.E. from L.ondor.

Topical Tulls. Local Nows
10.0. Helen Meintosh.
"A Lako and a Fairy Boat " . . Holfrooke And I'e Shall Walk in Silk Attive"

Hughes (1)
"O Tuncful Vojee"
..... Hoghis

Waltyes, a Fox-trot and a One-step.
10.30.- Close down.

5SC GLASGOW. 420 M .
$3.30-4.30,-$ An Hour of Melody : The Wirelesi
Quartes and İlian A, Lapeloy (Soprano). 4.45-5.15.-WOMEN'S HALF-HOUR
$5.15-6.0 .-$ CH11LDREN'S CORNER.
6.0-6.5.- Weather Forecast ior Farmers.
Q.40-6.55.- 5 . Buckeridge: Topical Thlk:
7.0.-WEATHEF FORECAST and NEWS.
S.B. fromi L.ondom.

Radio Association Tulk. S.B. from London
Prof. J. 1. G. DE MONTMORENCY.
S,B. from Lordon. Local News.
7.35. "Jeanie Deans" or "The Heart of Midlothian "
A. May in Three Aets by T. Diludin.

Arranged for Brosdeast and Produced ty GEORCE ROSS. Chinactera:
The Duke of Argyll ... RONALD SCOPI The Luird of Dhmbiedikes

GEOFGE ROSS
David Deans J. LIVINGSTONE DYKEA
Reuben Butler..... I.E8TER WARWICK
Georga Statanton .... W. G. STETHEN
Mr. Shirpittew T, M. EADIE PAL.FBEY
Mr. Saddlotree . . . . ........... J. GIBSON
Cirnlime. Queen of Pinhond
Caroline, Queen of Paghond
JENNIE MHEER
Jeanie Deans . . GLADY's MACDONALD
Eltie Deans
BELNNARDINE MACDONAT.D
Lady suffolk
NANA YOUNG
Madge Wildtiro ........ IEDNA HANRIN
Soldiers, Courtiers and Constabularg*
Iricidental Music by
THE STATION ORCHESMRA: Condueted by
HIERBERI A, CARFUTHERS.
9.30.-WEATHER FORECAST and NEWS. S.B. Jrom London

Topieat Talk. Jocal News.
Overture, "Fingal's Cave". . Mrerdelesohn
Selection, "The Little Chertib" . . Caryil
March. "Washington Grays " . . Girofulla
10.30.-Experimental Transmission for Ama-
teurs.
11.0.-Close dowt.

A number anainst a masical item ingicater tho na ms
of its publisber. A ley list of publishers will be found oD of its puhi
page 447 .

## Continental Broadcasting.

Owing to frequent changes of wave-lengths and times of transmission, absolute aecuracy cannot be guarantecd, but each time we go to press with this list it will be carefully checked with the latest available information. The times given are according to Greenwich Mean Time.

EIYPEL TOWER FRANCE.
Delly: 0.40 a 1 mL , Weather 2000 .m. ( 6 kw . (ese, sun, and Monn); 11.15, Time sit, Weather






 Weekdays: 12.s0 p.m. News, Stock $\frac{\text { Exch, }}{\text { H. Orch }}$; Womens fiour: 8.30, Lec, Nows, Con.; io p.in. Datre (Tha). LLe Mottis, Parli, Mrowides a pepecta
 FCOLE SDP. DKS HOSTVES EF TELEABAPBES (PRT)-
$150 \mathrm{~m} .(600 \mathrm{w}$.
p.m, Le, reinyed from Sorbonne Univenity (The in






TOULO. 5 pm. 8 p.m. Noms Con, (irreg).

LDON-LA DOC A-550 ma . $(500 \mathrm{w}$ ).
10.30 a.tul., Girmmoplione Con., News, Stock Exch. (Irrec)

## GERMANY.

CASEEL (Reliny staticm) -280 m. (1t kw.). From Frankdort. DRESDEN (Kelay Station)- 280 m . (I kv.). From HANOVER (Relay Station)-200 m. (11. kw.). From
 NOREMBCRG (Relay Station)-sio m. ( 800 w ). From GIVIWWITZ (Epper Sileslo) (Relay Station)-Under con-



 as Weekday., Will thortly bo tupreased to 8 k ,
Thatre News: 11. 55 , Tinio \&bl, 12,10 , Englith. (Wed): i p.m. Poltical Neus, Markets, a p.m., Womica: $3.80,10$, Eap eranto: 4.5, Lec, Markets, yan., can, Lo.;

 HLESETER- 110 m . 11 KW.

 Thine Slk, Iec, 7.2 L , Womeh, Con of Opera: Dinco
 Thate (siat.).
nantial ins m. (1L kw.)
10.15 a,m, stork Exch., Weather: 110 , Factory Con.
 day : 3 pm, Callirm (8un) $; 4 \mathrm{pm}$, , Lec, Ont. Oumron (Vri)S 4.45, Cuie (Sun) : 5 pim, Sharthani Ensilh (Tha.), Storthand (Wed., Lec. (other tays)



 Edacat Hour (Sum): 1115, Stork Exch: 120, Time Sla, Nows, Weather: 1.15 p..... stack Exch.,
 3330, (teh., French (hue.): 5.30, Lee; Women;



 sytyrialk 448 m . (2 hw. .
 (sat) i 4.45 p.m. Chilitrea (Vied), 6.30 p.me Lee.







 oliturne wher; 1.15 nud 3 pron, Markets: 2100 Fsperanto (Thin, Batic, 7 p,in, Con, or Opera





 p.m., Tine siget Weather, Newn, Dance or lote Com (not disy).
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 Newk, (At the end of eacti tranemiveion anbounce tates the of bext call.)
$800 \mathrm{mi} .(6 \mathrm{kw})$. $10.30 \mathrm{a}, \mathrm{m}$. , Con. (Sun), Daperanto
 NNA CRADIO WTNAUSTRIA.
Daty ; 8 a.m., Narkets; (exc. Sun); 10, Con. ; $12.5 \mathrm{p} . \mathrm{m}$
 Sum.), Ie.. (Hue,, Wed, Thith Sai.); Chilitren (How Prt): 5.20 p.e.t. Women (tae.); © p.in, Sewn
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## belcium.

 (Tue. and sat): 6 p.t.m. News ; 8 p.m., Lec; 8.15 , HAEMEN (BAV) $-1,100 \mathrm{~m}$. ( 255 ir
 KBELY (OKP) OKECHO-BLOVAKIA.
 t pim, Con. (Wed, sut.); 6.30 pro. Lee, News, (Sin) (OKB)-1.180 mi ( AW )
KOMAROV (OKB)-1.180 m, (1 kw).
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6.35. pm., Nollose Loo., Con* (Tue. Thu, Bat). sration on 510 m ,
GIIY $(0 \times \mathrm{E})-2.400 \mathrm{ata} 2.700 \mathrm{~m}$.
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 RYYANG- 1,100 m

 HOLLAND.

 Sat. (10.10-11.10.


CROSS-WORD PUZZLE RESULT.
HERE is the result of the cross-ssord puzzle which was sabmitted by the Rev. IV. B Stewart in cur recent competition and which won a prize of 44 4s. 0 d .

HLVERSUM (HOO)-1,020

 vosseitat ( Bj F $-1,0.50 \mathrm{~m}$.
SOE 1910 and 7.40, Weather.

1.40 a.m. and 4.00 p. int, farred Bervice (Sant) hunaary.
BUDA-PESTE
casting station will be opened in Marche Traly.
ROME (IRO)-425 $\mathrm{ma},(3 \mathrm{Kw})$
 Coate 1.10 p.m., Dunce: 0.20 p.m., Fioal Newe mid
 Nook Exch, $4.15 \mathrm{pm.m}$. Orth, (relayed from Hote
 MILIX -060 m . Teeting shortly.
BELORADE-1, \&FO SUCO-SLAVIA.

NORWAY.
OSLO- 340 mi . (rave Lengorway, not donitely fixed) (Sing w. Aboat $7.30 \mathrm{p} . \mathrm{m}$. , ilmiost dally Test
ISRON (Aero-Thboin PORTUQAL.
8.50 pmm (Wed, and Fri., irreg.).
MOSSANTO (CTV)-2,450 m. ( 15 kw .

Testh (irrey.). 1.0 and $11 \mathrm{p} . \mathrm{m}$, Weather.

## RUBsta.

MOSCOW
CENTILIL WHELELESS STATIDX $-1,450 \mathrm{~m}$.
Suncias: 12.45 p.m., Lee;; 3.20 p.in, Neve: 4.15 p.w.
Wrek-dyas; 1 pm, Markots; 3.30 pmen, Xews or Con.
 Loc:; 230 p. pin, Con.; is p.an., Lect and Con (The. IRADES UNioN COUXCIL STATION- 450 m.

## ADRID (RT)-3Me mPAN.

Dally: 10 pim., Time sig, Con,, News; Le Liberrent Sunday $=4.30$ pin.., Cos. (Irteg)
BAKCELONA (Hadfo Barcelona) (EAJ)- 3 (Eas m, (ono io © pim, Lee, stock Exch., Markets, Com. or ivlay SEVILLE Opera: (EAS 8 ) -350 p.th. News and Coti.

 fixed). Testing shortly.
TOCKHOLM (SARA) SWEDEN.

 Nems, Weather.
Weeldays: 11.50 a.m, Weather, Stock Exeh., Thim




1 A.an. Weather, 7 p.twit Prograrmie 8.B. tremil BODFX (SABk)- $2,500 \mathrm{~m}$.
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chefimitely ayed Weekdays: it am. Weather: U.S5, Time sio. p.m., Cuildrear (Mon, Wed., Frij; 6 p.o., Weather

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PRINCIPAL AUSTRALIAN BROADCABT SYDNBY (2BL) -850 BTATIONS.
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UHE TOWN AFRICAN STATIONS
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PRINCIPAL U.9.A. AND CANADIAN BROADCAST TATIONS

KDRA- 326 m . Bat PECrbuth. Pa.

WGX -380 m . Schenoctudy, X.Y.
WJY-105 m. Xos York

CFAC- 430 mh Chtrary, हS


## WIRELESS PROGRAMME-TUESDAY

(March 3rd.)

The lettors "s.8." pituted in italies in these programmes The lettors s.8. tioned.
$2 L O$ LONDON. 365 M .
1.0.2.0.-Time Signal from Greenwidh. Music rlayed during luncheon at the Holborn Pestaurant.
3.16-3.45. - Transmission to Schools: "The Country Side-The Map of England," by Patricla Jolnson:
4.0.5.0. - Books to Read," by Ann Spice. Organ and Orchestral Music, relayed-from Shepherd's Bush Pavilion, "Historical Pictures-(8), Some Women of the Restoration," by Alice Cunninghani.
5.30-6.15--CHILDREN'S CORNER: Joseph Slater (Fluts Solos). "A Nature Story," by Joan Kennedy. "Progreas through the Ages- (2) Hoasing," by W. J. Claxton.
6.40.6.55.-An Appeal on behalf of the Elizabeth Garrett Anderson Hospital Extension Appeal Fund, by Miss LILIAN BRAITHWAITE.
2.0. THME SIGNAL FBOM BIG BEN. WEATHER FORECAST and 18T GENERAL NEWS BULLETIN. S.B. to all Stations.

JOHN STRACHEY, Literary Criticism. S.B. to all Stations.

Local News.
7.30.-All Stations Programme, (For particulars see centre columin.)
9.30-TIME SIGNAL, FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S.B. to all Stations.
Sir OLIVER LODGE. F.R.S., "Ether and Reality-Electromagnetic Behaviour of Ether-How Radiation is Generated, and What Contact 1s." S.B. to all Stations.
Local News.
10.0-All Stations Programme (Continued).
10.30 --THE SAVOY ORPHEANS AND SAVOY HAVANA BAND, relayed from the Savoy Hetel, London: S.B. to all Stations.
11.0.-Closo down.

5IT BIRMINGHAM. $\quad 475 \mathrm{M}$. 3.30-4.0.-Lozells Pieture House Orchestra.
4.0-4.30.-School Transmissiau: Principal ADFRED HAYES (of the Birmingham and Midland Institute): "English Literature.'
5.0.5.30.-WOMEN'S CORNER: Barbara Wainwright, Natural History Talk, "How It's Done" Winifred Morris (Contratto):
5.30-6.30.-CHILDREN'S CORNET.
6.30-6.45. - Teens ${ }^{\text {² }}$ Cotner: Wiuifred Morr1s (Contralto)
7.011.0.-Programme S.B. from London.

6BM BOURNEMOUTH. 385 M . 3.45-5.0.-Travel Talk to Women': "A Trip to Unnan (China)," by Major Cooper-Hunt. The Wireless Orchestra: Conducted by Capt. W. A. Featherstone.
5.0.6.0.-CHILDREN'S CORNER

ALL STATIONS PROGRAMME (except 5 XX ).
Relayed from London.

VIVIENNE CHATTERTON.
STUART ROBERTSON
STUARI ROBERTSON
ANDREW SHANKS.
THE WIRELESS ORCHESTRA Conducted by
L. STANTON JEFFERIES,

### 7.30-9.30.

"匹be ฐеа."
"THE WATERMAN."
A Ballad Opera by Charles Dibdin.
First produced in 1774 at the Theatre Royal, Haymarket.)

Cast
Tom Tug (A Waterman)
STUART ROBERTSON
Robin (His Rival) ANDREW SHANKS Bundle (A Gardener)

CHAR
HELENA MILLAIS
Mrs. Bundle (His Wife)
aughter)
VIVIENNE CHATTERTON
Produced and Conducted by
L. STANTON JEFFERIES.
8.25. A Brief Interlude :
"From My Window," by Philemon.
The Orchestra.
Overture, "Britannia" Mackenzie (15)
Sea Sheen ............... Eric Fogg
Andrew Shanks.
"Songs of the Sea
"Drake's Drum."
"Outward Bound."
Devon, O Devon, in Wind and Rain."
"Homeward Bound."
"The Old Superb.
US The Orchestra.
"Sea Foam" " (Suite, "The Sea") "Moonlight" Frank Bridge (14) Sea Chanties arr. Geoffrey Toye (1) (Soloist, Stuart Robertson.)
Amsterdam"; "Missouri"; "The Liverpool Girls.'
10.0-10.30.
"Tbe Country."
The Orchestra.
"Gipsy Suite ". ..... Edward German (11) Vivienne Chatterton.
"The City Child ". ............. Stanford "A Green Cornfield " Michael Head (1) "Spring " ................... Henschel (1) Ballet M The Orchestra. ("Sylvan Scenes")

Percy Fletcher
6.0.6.30.-Scholars' Half-Hour: " Art and Religion," by Cecil Rhodes.
6.30-6.45,-Farmers' Talk : "The Management of Grassland Sheep," by John Fawcett.
7.0-11.0.-Programme S.B. from London.


## 5WA CARDIFF. 351 M .

3.0-3.30.-Transmístion to Schools : Miss Ivy Herbert, "How Misic Has Grown"
3.30.4.0.-The Station Trio.
4.0-4.45.-The Carltou Orchestra, relayed from the Cartion Restaurat.
4.45.5.15-" 5 WA'S" "FIVE O'CLOCKS Mr. Isaac J. Williams, Kecper of Art, The National Museum of Wales, "The British School of Water Colour Painters.
5.15.6.0.-CHILDREN'S CORNER
6.40-6.55-Mr. Roland Williams, M.A., "Craft Plays and Players."
7.0-11.0.-Irogramme S.B. from London.

## 2ZY MANCHESTER. 375 M .

12.30-1.30.-Organ Music by H. Fitzroy Page, relnyed from the Piccadilly Pieture Theatre.
3.0-3.30.
$4.0-4.30$. Concert by the " $27 . Y$ " Quartet.
3.80-4.0.-Broadcisf for Schools : Mr. E. SHMS HILDITCH, "Mnsical Apprectation.
4.30-5.0.-WOMEN'S HALF-HOUR.
5.0-6.0.-CHILDREN'S CORNER.
6.30-6.55.-Local Eadio Society Talk.
7.0-11.0.-Programine S.B. from Londoa.

## 5NO NEWCASTLE. 400 M .

11.30-12.30.-F'lorie Trotter (Soprano). Tilley's Restaurant Orchestra,
3.45-5:15.-Eath Storey (Con(ralto). The Brancepeth Colliery Silver Band: Conductor, J. B. Wright.
5.15-6.0.-CHHLDREN'S CORNER.
6.40.6.55.-Mr. G. F. Ogilvie, "Three Weeks in Ben Nevis Observatory."
7.0-11.0.-Programme S.E. from Lokdon.

2BD ABERDEEN. 495 M .
3.30-5.0.-The Wireless Trio A. J. Wiseman (Faritone). Feminine Topics.
5.15-6.0- -HIFDREN'S CORNER : Auntio Mofly goes to the Fair.
6.40.7.0. -The Rev. Walter $\Lambda$. Mursell, "Some Victorian Novelists-Robert Louis Stevenson."
7.0.11.0.-Prograneme S.B. from London.

5SC GLASGOW. 420 M .
3.30-4.30. -The Wireless QuarteL. Walter C. Campbell (Baritone).
4.45-5.15.-WOMEN'S HALF HOUR : Mr. J. Levine, "Cutting and Making a Sports Coat."

### 5.15-6.0-CHIIDTEN'S CORNER.

6.0.6.5:-Weather Forecast for Farmers.
7.0.11.0.-Programime S.B. from London.

A number açainst a masical itom indicutes the name of its publisher. A key list of publishers will be found on page 447.

## WIRELESS PROGRAMME-WEDNESDAY (March tith)

The fetten "s.e." priated in itaties in these pregrammea
eipnily a simultaneous Broadcatt from the sfation metr-
tionen.
$2 L 0$
LONDON.
365 M .
3.15-3.45.-Talk to Schoole: "t Wirelens. Roceiving Apparatus,
4.0-5.0.-Time Signal from Greenwich. Con. cert: The "210" Trio and Barbaris Ramuel (Contrilto). "My Part of the Country," by A. Bonnet Laird.
5.30-6.15,-CHILDREN'S CORNER: "Ivy, told by M. Cathetine Wiens. Mnsio by Uncle Jeft. Stories hy Auntie Yvette.
6.40. $-6.55 .-\mathrm{Mr}$. W. J. UNWIN, F.R.H.S. The Glatiolus.
7.0.-TIME SIGNAL FROM BIG BEN WEATHER FORFCASTP and IST GENERAL NEWS BULLETIN. S.B. to all Stations.
Lord RIDDELI $\qquad$ Popolarity
Postority." S.B. to all Stations.
Local News.
Sullivan Programme.
WYNNE AJELLO (Soprano). LEONARD LOVESEY (Tonor)
JOSEPH FARBINGTON (Bass Baritone) WINNIE VAUGHAN and ROLAND MERRY (Entertainers).
THE WIRELESS OFCHESTRA :
Conducted by DAN GODFREY, Junr.
2.36.

Overture di Ballo"
The Suilor' C ave ")
Love Laid His Sleepless Head The Orchestra.
Suite from "The Tempest" Introduction to Act III. ; Dance of the Nymphs and Reapere: Overture.
8.5 (approx.). Joseph Farrington.

Woo Thiou Thy Snowflake " ("Ivanhoe") Winnie Vuughan and Rolend Merry will Entertain Wyang Ajello.
"Full Fathom Nive" "... ) "The
Orphetas and His Late" "Tempest" Whore the Bee Sucke"

Thic Orchestra.
Incidental Musio to "Henry VIII."
9.0 (approx.). Joseph Farrington.
"I Would I Wero a King."
"Hot Jolly Jenkin " ("I yanhoe "). The Orhestra.
Ballet Masic, "Victoria" ("Merrie Fingland "). Winnie Vaughen and Reland Merry Entertaining again. The Orcheatra
Overture, "Maobeth."
Q.30.-TTME SIGNAL FROM GREENWICH WEATHER FORECAST and 2ND QENERAL NEWS BOJLETIN. $S . B$. to all Stations.
British Dramas Leogue Leoture Revital "Sherilan and (Coldsmith." S.B. to all Slations.
The Week's Work in the Garden," by the Royal Henticultoral Suviety, S.B. to ofther Stations. Local Newi.
10.20. Leonard Lovesey.
Once Again
She is Not Fair to Outward View The Orchestra.
Overturs, "The Pirates of Penzance."
10.30.-Close down
$5 I T$ BIRMINGHAM. 475 M .
3.30-4.30. The Station Pianoforte Quintet. 5.0-5.30.-WOMEN'S CORNER: A. W. Sanders, "Money Tallos?"
5.30-6.30. - CHंHDRPA's CORNER.
6.30-6.45.-'Teens' Coruer: Mr. F. W. Pif. ditch (of the Birmingham Natursi History and Plifosophical Society), "A Day in an Elemantary School.
2.0.-WFATHER FOREGAST and NEWS. S.B. from London.

Lord RIDDELL. S.B. from London,
Local News.

A Dual Programme.
A Jubilee Celebration.
THE STATION ORCHESTRA.
HARRY FREEMAN (VIolin). RTCHARD FREEMAN (Violin).
THOMAS FREEMAN (Violoncello).
NIGEL, DALLASAY (Mimoforte).
A Short Jubilee Progranme in hotiour of the 50 th Birthday of Mr. Harry Freeman, Deputy Leader of the Station Orchestra. Harry Freeman.
Concerto in A Major (for Violin and Orchestra) The Orcliestra.
Jubilee Overture Ore
.. Mosart

Pienoforte Quartet.
The Golden Sonate y (for Two Violing
Violoneello and Pianoforte) ...... Purcell
8,30.-MAINLY BALLAD CONCERT WITH ORCHESTRA
THE STATION ORCHESTRA.
NORA DELMARR (Soprino).
SYDNEY COLTHAM (Tenot).
BRET HAYDEN (Entertainor).
Nora Delmarr.
Ritorna Vineitor" ("As Victor Then Return!") ("Aida") ................Verdi The Dande.) (With Clarinet Accom-
 Sydney Coltham.
We All Love a Pretty Girl ${ }^{\text {" }}$......... Arac Tho Snowy Breasted Peril ${ }^{-1}$... Robinoon Bret Hayden.
A Few Remarky." Nora Delmarr.
Loah's Song" ("The Prodigal Son ")
"The Night Wind."
Farley
Sydney Celtham.
"8till in Drearus I See Her" ... Oliphant Sweet, Be Not Proud " ......... Clulsan The Sande o ${ }^{\circ}$ Dee ". ..............

Nora Delmarr.
...... German
Waltz Song ("Torm Jonew Marlin (5)
9.30.-WEATHER FORECASI and NEWS. S.B. from London.

British Drama League Leeture Reeital. A.B. from London.

Royal Horticultural Sociefy Talk. S.B. from London.
Local News.
10.20 .

Bret Haydon.
10.30.-Clom "More Remarkes,"

6BM BOURNEMOUTH. 385 M .
3.0-3.30-Serviee for the Sick: Gretta Don (Soprano). Addiress by The Rev. George Preece.
3.45-5.0.-The Wireless String Orchestra : Conductor, Capt. W. A. Featherstone. Mollie Bolton (Contralto). "Gardening Talk" to Women by George Dance.
5.0-6.0.-CFILDREN'S CORNER.
6.0 -6.30.-Scholas' Half.Hour: " $\AA$ Sixteenth. Century Scholar at Home, by Mrs. Erio Sharpe, M.A.
6.30-6.45.-TaIk by Bertrem Fryer, Station Director.
7.0.-WEATHER FORECAST and NEWS S.B. from London.

Lord RIDDELL. S.B. from London.
Incal News.
7.30-8.0.-Interval.


PIERRE and JEAN GENNIN.
Duet for Two Piecolos . . . . . . Pierre Gennin Orchestra.
Selection, "Looking Backward" (Pot-
pourri) . . . . . . . . . . . . . . Herman t inck Selections from his Repertoire.

Intervat.
Musieal Representation-Three Fampus
Pietures. 1
"The Village Wedding
The Doctor"
Wedding
The Laughing Cavalier ${ }^{\text {+. }}$
Hayda Wood
0.30-10.30.-Programme S.B. from Loudon.

## 5WA CARDIFF. <br> 351 M .

3.0-4.0.-Falkman and his Orchestra, relayed from the Capitol Cinema.
4.45-5.15.-" 5 WA's" "FIVE O'CLOCKS."
5.15-6.0.- CHILDREN'S CORNER.
6.40-0.55.-Mr. A. H. Lees, M.A., Plant Páhologist to the Long Astiton Rescarch Station, " Diseases of Crops and Their Control.'
7.0-WEATHER FORECAST and NEWS. S.B. from Londom.

Lord RIDDELLE S.B. from London.
Local News.

## Symphony Concert. <br> THE BRISTOL SYMPHONY <br> ORCHESTRA:

Conducted by EUGENE GOOSSENS. Relayed from
The Colston Hall, Bristol.
Vocalist at the Stadio: ELSIE SUDDABY (Soprano).
7.30. Orchestra.

Overture, "Don Giovanni" .... Mosart Prelude, "L'Après-Midi d'un Faune" ("The Afternoon of a Faun "). Debressy Elsie Suddaby.
Songs from the Studio:
O) Sleep Why Dost Thou Leave Mo :" ("Semele")
............... Hardet
Notenba Art Near" ("Anna Magdalenis


Orchestra.
Symphony No. 2 in E Minor .. Rachiaaninos Sieggriedls Joumey to the Rhine" Wagnier Elsie Suddaby.
Songs from the Studio:
"Sweete Was The Song "
Altey, arr. P. Keel (1)
When I Am Laid in Earth
Hark 1 The Echoing Air" Heny Purcell (11) Orchestra.
Orchesira.
Dubinishika
...... Rinsiky-Korsakoe
Roverio . . . . . . . . . . . . . . . . . . Scriahin
9.30-10.30,-Pmogramane S.E. from Londom:

## 2ZY MANCHESTER. 375 M .

3.0-3.30, (Music relayed from the Piccadilly 4.0-4.30 Picture Thentre. Conduetor: Stanley E. Mills.
3.30-4.0.-Broadcast for Primary Schools: Father BERNARD BUTLER, \& 3 ., "The Story of a Cat and a Squirrel."
4.30-5.0.-WOMEN'S HALE.HOUR: Ahigail Slingsby (Contralto).
5.0-6.0.-CHILDREN'S CORNER.
6.30-6.55.-Major W. Peer Groves, "Travel Abroad ${ }^{\text {" }}$ (1).
7.0.-WEATHER FORECAST and NEWS. S.B. from London.

Lord RIDDELL. S.B. from London.
Local News. A number aginet a masicol item indicates the na mee
of ito publinher. A hey list of publidbers will bo found on
page 47 .

## WIRELESS PROGRAMME-WEDNESDAY <br> (March 4th.)

The letters "8.B." priated in italies in thase prozrammen siznity
7.30

## Query Programme.

Listeners aro invited to sulmit all the details of the entire programioe ns broadcast, i.e., Orehestral Itoms, Songs, and Composers, the names of the Artists, and the nome of the Announcer. A prizo of two guineas is oftered for the first correct programme examined. The senders of other correet efforts will bo invited to spend an ovening at the Studio.
9.30.-WEATHER FORECAST and NEW8. S.E. from London.

British Drums League Lectare Recital. S.B. from London.

Royal Horticultural Socinty Talls.
Local News.
10.20.-Query Progeamme (Continued)
10.45.-Close down.

5NO NEWCASTLE, 400 M .
3.45-5.15.-The Station Septet, Lambert Harvey (Tenor). Isabel Spence (Soprano) Mras S. K. Barber, "Lenten Dishes.
5.15-6.0.-CHILDREN'S CORNER.
6.0-6.20.-Scholars' Half. Hour.
6.35-6.50.-Farmers' Corner : Prof. Gilchriat, Seasonable Notes
7.0. WEATHER FORECAST and NEWS S.E. from London.

Lord RIDDELL. S.B. froms Leondon.
Local News.

## Selections from Opera.

ETHEL STANLEY (Mezzo-Soprano). DALE SMITH (Baritone).
THE STATION ORCHESTRA Conductor, EDWARD CLIARK.

Solection, "I Pugliaeci" ..... Leoncanallo
7.45. Ethel Standey.

Handsome Redrillo" ("The Crown Diamonds ") $\because$ ". ". .............. Anber Who Am I $\}^{\prime}$ ( "The Black Mask "

Auber
Orchestra.
7.55. The Fichit of the Bumble-Bee" ("Tsar Soltan") ............ Rimshy-Korsulov 8.5. Dale Smith.

Ye Twice Ten Hundred Deities" (Tho Conjuror's Song in "The Indian Queen")
While From the
Wine Cup" ("..... ("Don Giovanni") Oh. Come Now to $\mid$ Mosart the Casement
8.15.

## Orchestra.

Selection, "The Flying Dutcliman" Fagner, arx. Tavan
8.25. Ethel Stanley.

Oh, Thou Dearest " ("Abu Hassan ") On a Mossy Hill Reelining " ("Preciasa" ${ }^{*}$ ) Weber
8.35. Oreheatra.
Ballet from ${ }^{-12}$ Le Roi simmoio Delibep
8.1. IRFNP SCHARREP

Solo Pinnoforte).
D Minor
Senatas in. CMinor ….........Sorriatti OMajor)
Chromatic Fantasia and Fugue . . . . . Bach Date Sruith.
Peace" . .................. Frio Fogg (4)
For Ever Young
A-piration fon": ..... Alfred M. Wall Irrenrnation Song (Accompanied by the Corposer.)
9.15. Irene Scharrer.

Ballade in A Flist!
Berceuse
Study in G Flat
9.30.-WEATHER FORECAST and NEWS. S.B, from Londor. British Dramn League Lecture Recital. S.R. from Lonidon.

Royol Horticultural Society Talk. Local News.
10,20-10,30.-Ppopramme S.B. from Liondon.
2BD ABERDEEN. 495 M .
3.30-5.0.-Concert : The Wireless Trio, James Reid (Tenor). Ferninine Topios.
5.30-6.0.-CHILDREN'S CORNER: J. Downie, B.Sc., "Just a Stone Wall. 6.40-7.0.- The Rev. Molntosh Mowat, B.Le, "Things That Matter-Patience" (2).
7.0.-WEATHER FORECAST and NEWS. S.B. from Lendon.

Lord RIDDELL. S.B. from Londom.
Local News,

## Pcpular Evening.

JEAN BRYAN (Contralto).
KENYON LETTS (Baritode):
WALTER TODD (Entertainer).
THE WIRELESS ORCHESTKA
. 30.
Selectiou, "The Wrchestra:"
. 45.
${ }^{1}$ The Enchantreas
Chappell Softly Enchantress

Hatton Soitly Awakes My Heart " . . Saint-Sanns
55. Watter Todd.

Art of Entertaining ". "My Bully Bungalow"

Arey (13)
Tharp (13) Kenyou Lettos. Four Jolly Sailormen,

Gerbian Tho Two Grenadiers"

Schwnann
8. 10.

Selection, " A Omphestri.
Marels, "Entry of the Boyand Redatore (6) 5. Jean Bryan.
*The Spinning Wheel ?
Lees (25)
Sound the Pibrorh … . . . Macleod (25)
8.35.

My People
Walter Todd.
Durtmoor Days"
"If the Missus Says

3.45.

Kenyon Letts.
"The Floral Dance"
Moss
85. Friend o' Mine " .........
"Friend o' Mine
"My Prayer" ${ }^{\text {Walter Todd. }}$
Scriderion (1)
" Inventin' Jolinny ${ }^{*}$ "....
Lourence (13)
"One Lattle One More … ..... Hages (16)
15. "I Kenyon Letts.
"Le Cor" ("The Horn").
.. Flegier

## KEY LIST OF MUSIC PUELISHERS.

Tomene
Moosoy and Co. Banis, Itd
Herminn Darowesk Mowio Publhhing Ca .
VRinin and Cow, Md.
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Fortmab, B, and co:
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Larway, J, H.
Lawrenie Wriuht Masie Cis.
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Jolin Hackburi, TAd.
Kofit Irowne and Co
Kelth Drowee and $\mathrm{Co}, \mathrm{L}, \mathrm{d}$,
Worfon Bivit int
A.3. Stivily Mraio Co, Ltat

Patcrion, sons and OM, Lzat.
Iteid lisich 1 to.

Pareel, Halgh mid Co,
8.20.

Overture, "Marco Spada
9.30.-WRATHER MOTBCAST...... Auber S.B. from Levdon

Britith Drama League Lecture Recital. S.B from Londow.
Royal Horticultural Sopiety Talk. S.B. from Lonton.
Local News.
10.20.

Snite, Orchestra.
10.30.-Cloqe down.

5SC
GLASGOW.
420 M
11.30-18.30.-Mid-day Tronsmisaion.
3.30-4.0.-Broadeast to Schools.
4.0-4.45.-Musical Moments : The Wineless Quartot and Frids Daerblitz (Solo Piano: forte).
4.45-5.15,-WOMEN'S HALE-HOUR: J. S Bainbridge, B.Se., "Brooms and Brushes and Their Caro.
$5.15-6.0-$ CHILDREN'S CORNER: Singing Boye will sing Songs by Mendelesohn (1809-1897). "May Song," ". Greeting," Oh! for the Wings of a Dove" (Solo)
"On Wings of Song," "Slumber Song.
6.0 - 6.5 . - Weather Forecsest for Famers.
6.40- 6.55 - Mr. Alexander Proudfoot, A.R.S.A on "Sculpture."
7.0-WEATHER FORECAST and NEWS S.B. from London.

Lord RIDDELL. S.B. from Loadon,
Locel News.

## Popular Night.

THE STATION OROHESTRA:
Condueted by
HERBERT A. CAREUTHERS.
A. RARRY GUNN (Lecture Recital)

MARGARET P. STEWART (Soprano)
THE HARMONY BOYS
(Moran Bros, and Begg)
7.30. Orchestra.

Seloction, "Oh, Oh, Delphine" .. Caryit
7.45. Margaret 1. Stewart.

Gaelin Song, " Strusaidh me na Gipliagen
("The Cockle Gatherer ").
"Seagull of Land Under Waves"
Kernedy-Fraser (1)
7.55.

Orchestra.
Eetection, "The Griहha" ...
The Hurmony Boys.
"If I Can't Sing About My Mainmy."
Bo-Bo-Beedlo-Um-Bo,
Why Did I Kiss That Ginl?
8.15.
"Tho Speaking of Poetry," Iltastrations drawn from Lyrio and Verse.
8.45. Orchestra.
9.0 .

Margaret F. Stewart.
Margaret F. Stewart.
Ow On ( . . . . Gounor (With Orchestral Accompaniment.) Solveig's Song " . . . ................. Grien Island Sheiling Song" Kernedy-Fraver (1)
0.10.

Entr'acto, "A Littlo Peach"
9.17. "Dicie Land" Harmony Boys.
"Divie Land.
" Im Goms Bring a Watermelon to My Girl To-Night."
9.30.-WEATHER FORECAST and NEWS S.B. from Losdon.

Britioh Dramis League Lecture Recital S.B. from Lor don.

Royal Horticultural Society Talk. S.B. from Loidon.
Local Nows.
10.20.

Orchestra.
Waltr, "The Gronadiors"..... Waldteufal
March, "The Cladistors" ........ alakenfa
$10.30 .-\mathrm{DANCE}$ MUSIC relayed from "The
Plaza" Polnis de Danie.
11,30.-Close down.


## THIE CHILDREN'S CORNIER,

## A Wonderful Voyage of Discovery.

HHere isa tallh ty c. Malgiey that you will certainty tibe to read. It will mateo yor moro interested in your study of geography.

About the years 800 to 1000 A.D. the Norsemen were skilled and daring navigators and abont the year 1000 A.D. they reached the continent of North America and explored the coasty of Ameriea along the Labradok coast and the entrance to the entuary of the St. Iawrence.
The years following the discoveries of the Norsemen, and the first three or four centuries following the Norman Corquest of England are estually, and rightly, known as the Dark Ages. Everything seemed to stagnate, and effort in everything seemed to fall off. The carly peographers of Phemicin and Carthage at least knew that it was pousible to sail romd Africa. A later geographer, Ptolemy, a Greek, whoee work was taken as the foumdation of all geographical knowledge in the Middle Ages, made a very hig mistake. He said that it was not possible to sail mound Africa, and drew a yery ela borate map to prove this. He, of course, disoouraged any would-be cxplorers from adventuring upon the sen.

## An Ambitious Prince.

At first, land travel was the only way of com. municating with the treesures of the Eant, India and Clina. Then, later, about the years 1428 to 1460, Prince Henry of Portugal began to encourage sea travel. He gave instructions for explowing the caasta of Africa and had sareful maps made for his captains.
Under his guidance, the old kuperstitions were gradually diepelled. Trade with the Kast was exceptionally valuable, but rivalry for this trade, and the danger of the overland route, made the journey leas and leas attractive. But the wealth was there and the lure of it was powerful. Men wanted the treasure aud they wanted an easy way to obtain it.
If you will took at a map of the world, you will sec that the obvions way to this treasure of
the Fhist would be to sait round the coast of Africe and thence acrose the Indian Ocean to
India and from there to China, But remember that the fact that it was possible to soil anound the coast of Arrica had been forgotten-thanks to the geegraphy of Ptolemy. Prince Heury devoted himself to this problem, however, and sradually his sailors pushed further and further along the coust of Airica. He himself did not live to see the results of his initiative and perseverance; but ho was the raan who made later exploration possible.

## Magellan's Great Adventure.

In the year 1455, Cape Verde was rediscovered. Thirty years later Dinz sailed around the Cape of Gooil Hope, and by the cad of the century Yasco da Cama had succeeded in the great enterpsise and had reached India by sailing xound Africa, and Columbus had reached America.
In the year 1519, another attempt was made which resulted in the first voyage right round the darth, In 1519, a Portuguese navigator. Magellon, began to argue that if it were possible to sail round the sourh of Africa, it must be equally passible to sail round the south of S. America and so reach China. He set sail in August, 1519 - just over 400 years ago-with five ships and 136 men. His ships were off and unseaworthy.
Leaving the port of Sevitle, in Spain, he first maxde his way to the Canary lslands. He writer in his diary that in one of these islands there is not a drop of water to be found in cither river or fountain, but once a day there descends a large cloud from beaven which surroundr a tree and falls upon the leaves of the free and the leaves distil the water and water flows from the leaves of the tree.
Magellan made his way across the Atlantic to the coast of Brazit and, skirting along the coast, entered the River del la Plata, now commonly, but quite wrongly. misealled the River Plate. Along the coast of America, Magellan, according to his aceount of his travels.
was in a wotider-lantl. Ho sreaks of a man an great as a giant and with a voice of a bull.
The people here were living in that part we now call Patagonia, on the south eastem shores of S . America. Off this coast one of the ehips was shipwrecked and lost and, moreover. rebelition and matiny broke out in the flect. This, Magellan put down with a firm hand. He showed no merey to the ringleaders of the mutineers. They were behcaded and quartered. Magellan would not turn back, although, when he got to the southernmost extremity of S. America, he had to face a sery threatening series of storms. It took Stagellan six weeks to get throngh the Straita whieh now hear his name.

## Died White Fighting.

Ou November 2sth, 1520, fifteen months nfter leaving the home port, Magellan found himself through the straits into a sea which he named "The Peaceful Ocean"-The Pacific The struggle had been a gigantic one, Not only was his little sailing ship uneeworthy and faced with heavy head winds, but she was so small that the could not carry many provisions. By the time they were through and safely in the watels of the Pacifie, the adventurecs were rectaced to the edge of starvation.

After passing two kmall desolate islands. which they named the Unfortunate Jelands Magellan reached islands to which he rave an equally unattractive name-the Jand of Robber: -these were the Marianne Islands which were solid by Spain to Germany about twenty year ago. Eventmally, Mageltan reachert the Philippine Islands, where the erews were able to rest a little from their exertions, Shortly afterwarde. however, in a petty squabble and tribal war that broke out, Magedtan was kitted. He died fighting. Wounded first by a poisoned arrow, he gave the word for his men to fall back steadily towards the heach; but the retreat soon becami a neramble for safety. Only six or seven mesi rallied around their captain. The rest saved themselves.

IHE STORY WITHOUT AN END.
By LANGFORD REED.


The Vizier brought before him an old mant.
$\mathrm{S}^{\text {INCe }}$ bin humitiating exveriences with Selim and Has san, which 1 have al. ready related, Mus tapha Reti Naxa, Ua liph of Bag dad, had made other attempts to follow the example of the great Havoun Al Raschid, of Arabian Nights" fawe, by walling about the streets of the city disguised, with the idea of coming into touch with some of this subjects who had interesting stories to tell.
But he met with no success at all, and his faifure annoyed him greatly. As usual, he
visited his ill-temper upon his unfortunato Nizier, Grindbad. The Vizier bowed fumbly,

Pardon, Fxcellency," he said, "I ventured to think that if the Caliph Haroun conld secure entertaimment by those means, you, who ate so mush greater, could not fail.

Well, there's something in that," remarked Mustapha, more cordially; "you do have steams of commonsense, occucionally. No I vely on you to find me someone with a good story to tell, by next Saturday erening. Fril at your peril! ${ }^{11}$
Judge of the Caliph's delight wheri, on Saturlay evening, the Vizier brought before him a grubby old man with a hooked nose and a merry eye and explained that he was a travelling pedlar from Jerusalem, who bousted that he had a tale to tell which had no end.

Foll appear to be a person of considerable intelligenee, despite your mean appearance," observed the Culiph. " Begin at onee. I will engage you for a week's trial and pay you a onc-hundred piastre-piece every night.'

The old man's eyes gleamel. Then he glanced at the Caliph doubtfully. The latter noticed the look and said, reassuringly:-

You have nothing to fear. I will do as I say: Begin at once, and if you please me, your fortune is made. But if your boast is an empty one, "'ll have you fried in dripping."
The shabby stranger again looked at the Caliph, with a sly sidelong glance. Then he
answered: "Oh, Great One, if I deceive thee, Let my fate be as threatened. Now that I have assurance of thy protection, my mind is eacy within me." Then, again prostrating himvelf, he began as follows :-

Oh, Magnificence, there was a certain Caliph who commanded his slave to tell him a story. And the slave prostrated his unworthy person and began as follows : 'Oh, Magnificence, them was a certain Caliph who commanded his slave to tell him a story And the slave- -

Bismillah! ${ }^{\text {t }}$ exclaimed Mustapha. "There sems to be a great sameness about this story. Leave out tho introduction and get on to something more interesting.

It would spoil the story, oh, All-Powerful one," said the old man. "But IIl hurry over that part-who commanded his slave to tell him a story. And the slave prostrated his unwort by person and begar as follows: ' $\mathrm{Oh}, \mathrm{Magrificence}$, there was a certain Caliph who commanded his dave to tell hima story, And the slave prostrated his unworthy person and began as follows : Oh, Magnif -

Miserable trickster !" broke in the euraged Caliph, " truly your stoty has no end, since it is all beginning : Fortunate it is for you that my vow protects you. My treasurer will pay you a week's wages and conduct you outside the city. And if ever you dare to set foot within it again, Pll have you poached on toast and served up as breahfast for the sacred crocodiles !"

## WIRELESS PROGRAMME-THURSDAY (March st.)

The lefters "s.B." priates in tialies in these procrammes signity a simaitancout Broadeast from the station men 210 LONDON.

365 M .
1.0-2.0:- Time Signal from Greenwich. Tho Week's Concert of New Gramophone Records.
3.15-3,45.-Tranamission to Schools: "Chil. dren in Dickens-David Copporfleld." Lecture Recital by J. C. STOBART and R. E. JEFFREY
4.0-5.0. -Time Signal from Greenwich. "More Letters of O Toyo," by C. Romanmo James. Musie periormed during Afternoon. Tea at the Trocndero. "The Unwanted Child," by Mrs. H. A. I. Fisher, Chairman of National Cormeil for the Unmarried Mother and Her Chíld.
5.30-6.15-CHILDREN'S CORNER : "Stories of Finland," told by Ethel Harding. 1. C. M. of the Daily Mail-Zoo Story Karning a Living at the Zon," Pianoforte Solos loy Margaret Portch.
6.35.-Market prices for Parmers.
6.40-6.55, -The Rt. Hon. Lord Hikeston S.B. from Birmingham.
7.0.-TDME SIGNAI FnOM BIG BEN WEATHER FORECAST and 18T GENERAL NEWS BULLETIN, S.B. to all stations.
Mr. ALLEN S. WALKERR, ${ }^{4 t}$ Architectuve The Cathedrals of York, Ely, Exeter and Southwell." S.B, to all Stations.
Talk by the Radio Sociely of Great Britain S.B. to all Stations.

Local News.

## Chamber Music Evening,

THE PHILHARMONIC PLANOFORTE QUARTPT
CHARLES KELLY (Pianoforte) : PAUK BEARD (Violin):
FRANK TENTON (Viola):
JOHAN C. HOCK (Violoncello)
7.35. The Quartet.

Quartet in C Miner, Op. $13 \ldots . . . . .$. .R. Stranes Allegro; Scherzo-Presto; Andatete: Final. Vivare.
8.0. Poctry Readings ly I. C. SQUIRE.
8.20.

Modorn English Eonigs.
Pleading " ...................... Etgor Elgor (11) Linden Lea ...... Voteghan Witioams (1) A Runn of Wandering Hamilton Forty (11)
Too Late" Atkins (11)
Eldorada" .................
Thomars Dwhite (14)
8. 10.

Pleanore ": ...........Coterifige-Toydor (11)
Finst Movement from Ouarto
Lebes-1870:1894
John Coates.
Foreign Songs
"May Night
Messages
Sierenate Pétronille" Adeliide"
9. 19.

The Quartet
Andante from Quartet in E Flat, Op, 60
Finale, Presto (Rondo alla Zinmarese) from Quartet in G. Minor, Op, 25 garese) from Quartet in G. Mimor, Op, $25, \ldots .$. Brahm 9.30. THME SIGNAI FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S.B. fo all Stations.
Topical Tals, S.B, yo all Stations.
Topat Nows,
10.0. The SAVOY ORPHEANS and SAVOY HAVANA BAND, relayed from the Savoy Hotel, Lotidon. S.B. to all Stations.
11., Close down.
$5 I T$
BIRMINGHAM.
$3.30-4.30$. The Station Pinnoforte Quintet. 5.0-5.50.-WOMEA'S CORNER Chamberlain (Soprano)
5.30-6.30.-CHILDREN'S CORNER : Mihlred Forster, "Things We Don't Learn at School."
6.30-6.40.-"Teens" Corner: Frank Jones, "Grammar and Srniles."

Girl Guides' Bulletin: The Rt. Hon. Lord ILKESTON (President of the Birmingham Scouts' Association), "The Scout Alovemont." S.B, to other Stations.
7.0-11.0.-Progrumme S.B. from Iondon.

6BM BOURNEMOUTH. 385 M .
3.45-5.0. -Talls to Women: "London Papers," by Anne Farnell-Watson. A. Martin (Dialeot Stories). The Bijou Military Band.
5.0-5.55.-CHILDREN'S CORNER.
6.0-6.25.-Scholars' Half-Hour; "Rearing Caterpillane at Home," by J. Neale, B.A.
6.25-6,39,-Farmers' Talk: "Experiments on the Manuring of Roots in Dorset," by Mr. T. B. Ferris, M.Sc., N.D.D., Ditector of Agriculture for Dorset.
6.40-6.55.-The Rt, Hon. Lord IHKESTON, S.B. from Birmingham.
7.0-11.0.-Programme S, B, from Limedon.

5WA

## OARDIFF.

351 M .
3.0-4.30. BRET HAYDEN (Entortainer).

THE STATION ORCHESTRA: Conductor.
WARWICK BRATTHWAITE. Orchestra. Overture, "Athalie" ......... Mendelssolan Suite, "Petite Suite de Concert"

Coteridge-Taytor Bret Hayilen.
A Fow Fernarks. Orchiestra.
Syrophony in D, "The Clock" .... Haydn Forther Resmarks. "et Hayden.
Orchestra.
Gavotte fitom "Mignon".......... Thomas Moonlight Intermezzo" Lemare Two I ish Dances" $\begin{array}{r}\text { Bret Hayden. } \\ \text { Bren }\end{array}$ Move Remarka? Orchestra.
Three Danees from " The Barterod Bride" Snestana
$4.45-5.15,-$ " $5 W$ A's' $^{2}$ " "FVE O'CLOCKS."
5.15 6.0-CHILDREN's CORNER.
6.0-6.15.-Talk to Scoute.
6.40-6.25. Mr. J. Kyrlo Fletcher: "The Wooing of Malel Fitchamon," a Famous Love Story.
7.1.-11.0.-Progruanme S.B. from Eiondon,

2ZY NANOHESTER. $\quad 375 \mathrm{M}$.
11.30-12.30. - Concert by the "2ZY " Quartet. 4.30-5.0.-WOMEN'S HALE-H.OUR: MISS Margaret Pilkington, "On the Borders of Ttely,"
5.0-6.0.-CHILDREN'S CORNER.
6.30-6.35.-Boy Scouts' Local Nows Bulletin.
6.35-6.55.-F. A. Stocks, M.Se., Depaty Camp Chief, Boy Roouts' Association, " Platning the Surimer Chinj,"
7.0.-WPATHER FORECAST ant NEWS. S. B. fram Londom.

Mr. AlLLEN S. WALKER S.B. from Lomdon.
Radio Society Talk S.EB. frum Zandon, Lonat News.

> Vocal, Instrumental and Dramatic.
> NORA DELMARP (Soprano).
> QARL FUCHS (Solo Cello).
> CAHAL FOGARTY (Rearlinge)
> Norn Delmars.
> Elizabeth's Greetfing " ("Tamhanser")
> The Tryst ${ }^{-1}$ Wagher
> Wind Tossed
> M5. Erase
> Neighbours
> Cahal Fogarly.
> Calint Pognirly

Carl Fuchis.
Hamabdil " (Hebrew Melody)
Sonata
Graneille Bantock Graneille Bantock
Nora Delmarr. Maori Songs.
Wainta Poi " Alfrad Eill
Whista Mraori"
...... Aicos.
Song of the Mero
ahol Fogarty.
"Rising of the Moon".....
Cart Erchs.
Lady Greginy

- Oriental Dance

Richmaninoe
Song of Sadness ", .................. Arenwky Spanish Serenade "................. Glazoncroe

THE HALLE OROHESTRA :
Condactor, HAMILTON HARTY
Rolayed from the Free Trade Hall.
( $\left.8, B, 10^{"} 5 \mathrm{XX}, "\right)$
WHLIFAM MURDOCH (Solo Pianof
8.50.-Concerto for Pianoforte in C Minor Bethoren
Poem for Orchestra, "Pour le jour de la première neige na vienx Japon "
(Finst time in Manchester.)
Villiam Murdoch.
Intermezzo Valse ("L'Knfant Prodigue ")
Wormace
9.50 (approx.) -WEATHER FORECAST and NEWS. Relayed from London.
Loeal News.
10.10.-THE SAVOY BANDS. S.B. /rom Jondor.
11.0.-Close down.

5NO NEWCASTLE. 400 M .
11.30-12.30.-Nora Young (Contralto). Rebert Mark ('Cello).
3.45-5.15.-Wtsio Golighty and Tom Golightly (Vocat Duets and Solos). Jack Mackintosh (Cornet Solos), Alfred Smith (Oboe). Plopeth Latham, B.A., "Wanderers in Paris,"
5.15 6. 0. - CHILDRENS CORNER.
6.30-8.40.-Boy Suonts' and Girl Guides' Nows. Scoat Yella and Choruses by the Rover Seetion of the Newcastle Boy Scoutr,
6.40-6.56.-J. I. Giluson, French Talk.
7.0.-WEATHER FORECASY and NEWS. SCE from London.
Me. AlaEN S. WALKER. S.B. from Londom.
Fadio Society Talls, S.B. from Lentom.
Locel News.
7.35. "A Night in Hawaii."

THE ANGLO HAWALIAN PLAYERS
COLLEEN GORDON:
STEFANIE DAVISON:
ROY LIMBERT:
CECIL WATTS:
with their Novel and Fascinutiny Whuleles, Stead Gnitars, Haunting Hawaiinn Airs, Dialogne, Songs and Music.
9.30-11.0-Programmie A.B. from Lenton.

2BD ABERDEEN. 495 M .
3.30-5.0.-The Wireless Trio. Violet Wright (Sopranol. Feminine Topies.
5.30-6.0.-CHILDREN'S CORNER: More Songes by Aimtio Molly.
(6.0-6.25.- Boyst Brigade Nows Bulletin : W, A. MrRobbie, Conveher, No. 2 District, "Sugeations on Rumning a Compuny Bible Clasa,"
Q.25- -6.40 - Lerct, GLENTANAR: Tolk to Seouts S.B. from Glargeur.
6. 40 -6.85. -Talls on the Girls' Guidery. Si $B$, from Glaegors
7.0.-WEATHER FORECAST and NEWS. S.B. from Lonidon.

Mr. ALliEN S. WALKER. S.B. frosa Lovidor.
Radio Society Talk, S.B. From London.
Locat News.
(Cientinusd on page 451, colamn 3).
A pumber astaingt a movieal ifeos indicate tho nome

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## WIRELESS PROGRAMME-FRIDAY (March 6th.)

The intiers "8.8." printed in italios in these progranman sizaity a Sintiflancoes Broalcast from tio statton onjafiones.

LONDON.
365 M .
1.0.2.0.-Time Signal from Greenvich. Con cert : The "2LO" Trio and Erank Dramer (Paritone).
3.15-3.45.-Transmission to Schools: Travel Talk, "The Redskin," by Captain Alford.
4.04.30.-Scholars Half-Hour: Seene from Shakespease, by R. E. JEFEREY and Company.
4.30-5.0.- Organ Music relayed from Shepherd's Bush Pavilion.
6.30.6.15-CHHLDREN'S CORNER: "The Wing-a--Wing Man," from "The Wiggley Weasel," Dy Mabel Marlowe. Songs by Mabel Fitedierald. Stories by Eva Sami dersion.
6.40.6.55.-Ministry of Agriculture's Fotrightly Bulletiv. S.B. to other Stations.
7.0.-TME SIGNAL FROM BIG DEN WEATHER FORECAST and IST GEN ERAL NEWS BULLETIN. 8.B. 10 oll Station*.
pERCX SCHOLES, The B.B.C. Musia Critic S.J. to all Stutions. Local News Italian Night.
MAVIS BENNETT (Soprano). ENID CRUTCKSHANK (Contralto).

SYDNEY RESSELL. (Tenor).
ALBERT GARCIA (Baritone).
THE WIRELESS ORCHESTKA. Comdreted by DAN GODFREY, Jom.
7.30. The Orchestra.

Ballet Suite, " La Boutique Fantasque Rosaini-Reapighi "Dance-of the Hours" (" La Clioconda"
Overture, "The Barher of Seville" Rospiai
8.0.

ENDER ITALIAN SKIES.'
A Romantio Scena.
Written by SYDNLY RUNSELI. Prodnced by R. E. JEFFREY, in collaboration with the Author.
The Scena will include Selections by the Orchestra, and Songs and Concerted Items by the Artists, the progratume dosing with the Sextet from "Lacia" (Donizetti) Extra Speaking Part by H ENR Y OSCAR.
9.30- TIME SIGNAL FROM GREENWICH WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S. $B$. ta all Stations.
Ministry of Health Talk: Dr. A. JV. J. MarEADDEN, C.B., Seaior Mredieal Offieer, Ministry of Health: "Somn Questions Relating to Food." S.B. If all stations. Local News.
10.0

The Orchestra.
Grand Marih, "Aïda"
Av Interlude by
QU1Ps:
whose "World in Aneedote" Series brings tus to $\mathrm{No} .10-$ "Sponting Snlijects.

The Orchestra.
Extracts from "Egyptian Ballet" Luigini 10.30.-Close down.

## $5 I T$ BIRMINGHAM. 475 M .

3.30-4.30,-Lozells Picture Honse Orchestra. Minnie Freedman (Solo Pianoforte).
5.0.5.30.-WOMEN'S CORNER: Ply yll is Hughes (Solo Pinnotorte), E. Dorothea Barcroft, General Interest Tall
5.30.6.30.-CHILDREN'S CORNER.
6.30.6.40--Teens' Corncr: Monsiear B. Thrbanlt, Frencls Talk.
6.40-6.55.-Ministry of Agrieulture's Eornngluty Bulletin. S.B. from London.
7.0.-WEATHER FORECAST and NETVS S.B. from Loadom.

PERCY SCHOLES. S.B. from Loxdon, Local News.
7.308.0. - Spanth Lecture relayed from the Cas. mopolidan Clals. Sr. HICKINBOTHAM, "Idomas an relacion al comercio."

## Special Requests.

THE STATION ORCHESTRA. GERTMUDE DAVIS (Soprana) WINIFRED MURRIS (Contralto) GEOFFREY DAMS (Tenor).
WALTEE HERD (Solo Flate).
8. C: COTTERHLL (Solo Clarimet).

All foms included in this programme will bu taken from "Requests" forwarded by
9.30-WEATHER FORECABT and NEWS 5.B. tron london.
; A. W. J. MaefADDEN, S.B. Trome bundon. Local Nevs.
Rexpest
10.0.-Request Progranure (Contimbed)
10.30. Close down.

6BM BOURNEMOUTH. 385 M .
3.0.3.30-Edncational Talk : "Birds" by Mrs
45. A. M. C. NICHOLL, M.B.O.L
5.5.0.- Cookery Talk to Women by Ada Featherstone. The Orphens Qointet. Mariel Golton (Contralto).
5.0-6.0-CHIIDREN'S CORNER.
6.0.6.30.-Scholars' Half-Hour: " Longfellow's Shorter Pooms," by Miss A. G. Spry, LL. A.
6.49-6.55-Ministry of Agriculture's Fortrightly Bullatin. S.B. from Loudow.
7.0.-WEATHER FORECAST and NEWS S.B. from London.

IEREY SCHOLES S.B. from J.ondon Locat News.

## British and French Music.

FSTHER COLEMAN (Contralto)
ROX HENDERSON (Baritone)
ALlAN FRANKLIN (Piano),
MARY LEWIS (Haxp)
IHF: "6BM" WIRELESS CHAMBER
ORCHESTRA
Conductors, HERBERT BEDFORD and
Capt. W. A. FEATHERSTONF
6.30 Herbert Bedford Programme.

Orchestra
friental Dance, "The Lonely Dancer of Gedar.

Esther Coleman.
Summer Dawn " (A Nocturne for Voice,
Strings and Hare)
Hopleer Bedford: "A Brief Talh on Modern Unaccompanied Song. Esther Coleman.
Three Unaccompanied Songs.
hlips that Pass in the Nicht"
Aedh Wishes For the Cloths of
The last of the Leaves on the
Bough "....... Roy Henderson.
Thelley's Ode to Musie ? (For Voice and Piatio),

Orcliestra,
Hamadryad.
Interlude.
Estier Coleman.
Tiree Songs with Plam.
Proud Like on Artist's Dream" (First Periormance).
Homecoming.
The Coming of Love
Alla Frankin.
Divertimento for Pianoforte and String Owhestra.

Esther Colemun.
Two Solags with Strings and Harp, To a Waterlily at Evening.
Captivity * (Fipat Performancol) Orchestr:
Meditation, " And the Night-Baven Singe, French Mesic. Orchestra
Scines Pittoresques'
Massenet (15)
Roy Henderson.
Toreador" Song" "Carmen ") Biect Mephistofeles' Serenade "" ("Faust "')
Pefite Suite " Orchestra.
Esither Coleman.
Chaminade
Guty Esther Coleman.
Soint-Saens

Orchestra.
Overture and Gavotte from "Mignon
9.30-WEATHER FORECAST and NEWS.
D.B. A. W. J. MacF ADDEN, S. B. from Londom: Local News.
0.0.

Excerpts from "Algerian Suite" Saint Saills Allan Franklin.

- Arabesrque

I Fantastic Item for Household Orchestra The Solitary Praticer of Katahu
10.30.--Close down.

Herbert Bedtand

## 5WA

CARDIFF.
351 M.
3.0.3.30.-School Transmission : Dr. JAS. J.

STMPSON, M.A. D.Se, on "The Animal Kingdom,'
3.30-4.0,- The Station Trio.
4.0.4.45,-The Carlton Orehentra, relayed from
the Carlion Restaurant
4.45-5.15.-"5WA'S" "FIVE O'CLOCKS
5.15-6.0.-CHILDREN'S CORNER.
6.40-6.55.-Ministry of Agriculturo's Fortnightly Bulletin. 8.B. Jom Loמdon.
WEATHER FOREC ST
7.0.-WEATHER FORECAST and NEWS S.B. from Londan,

PERCY SCHOLES, S.B. from Jondon.
Local News.

### 7.30.

## "Voices from the Void."

During the evening we shall relay portions of the programmes of the leading Continental statione. White tuning in, tho STATION ORCHESTRA will play Selections from
Stlection, "Mirella " . Finumad-Taton Strite, "The Two Pigeons" ("Les Deux

Pigeons ${ }^{21}$ ) (Part I) ............. Messager
The Seasons" (For Strings) ....... Awero March, "Trimaph of Right" . Lowell
JOHN PERIIY (Tenor) will sing:
Tane Night " ................ R. Boegue
Ships of Yule
Thw Merry Wanderes
Wood Fires
) Martia Shaw
Aly, Moon of My Delight. .'.... Hazelawret
The Devon Matd" ….............. E. Fogg
The Lute Player" ${ }^{\prime \prime}$ EREEMAN Q. Psel
Dr. W, LUDFORD FREEMAN, Director of Education, Bristol, will talk on "Scheol Hamour.
9.30-- WVEATHER FORECAST and NEWS. S.ll. from Lonilon.

DE. A. W. J. MacFADDEN. S.B. from Lnnden. Eocal Newb
"Voices from the Void" (Contirned). 10.0 - - "Voices fton
10.30 - Close down

2ZY MANOHESTER. $\quad$ M75 M.
12.30-1.30. - Organ Music by H. Fitroy Pogr
2ZY MANCHESTER. 375 M .
12.30-1.30.- Organ Music by H. Fitzroy Pogis relaged from the Piccadilly Pieture Theatre:
$3.0-3.30$.
4.0 .4 .30 . Concert by the -22.1 " $Q u i r l e t . ~$
3.30-4.0--Broadeast to Recondary Schoifs
(Seniors): Mr. C. S, 8. HIGHAM, M.A. Tro Famous Radicas-(2) Francis Place:
4.30-5.0-WOMEN'S HALF-HOUR : Alife H. Peers (Mezza.Soprano)
5.0-6.0-0HILDREN'S CORNER.
6.40-6. 55 .- Ministry of Agriculture's Fortnightly

Bulletin. S.B. from London.
7.0-WEATHER FORECAST and NEWS. S.B. from London.

PERCY SCHOLES. S.B. fma fondon.
Lowal News

## Concert.

Rolayed from Houldsworth Hall.
SYDNEX COLTHAM (Tenor),
CEDRIC SHARPE (Solo 'Cello)
WHLLE COCHRANE (Uncle WiHie)
(Hzmorist) THE "2ZY" OHORUS
Chorus Master, S, H. WHITTAKER. THE "22Y" ORCHESTRA. Conductor, T. H. MORRISON.


WIRELESS PROGRAMME-FRIDAY ( Mar. Git)

- The letters "s.B." printed in italics in these programmes sitrify a simultantous Eroadcast from the station mantionad.
2.30.

Overtare, "Euryonthe""............. Weber
At Dawning . .................. Cadman (1)
"Still in Dreams I Siee Her" "hackurbutty (1)
" The Sands o' Dee ". ...................... Clay
"Hail, Bright Abode". ............... Wuguer
"A Midsummer Song" ..... Cedrie Sharyen
"La Cinquantaine"" ........... Galoriel Mavie
"A Spinning Sotg". .................... Popper
"Far From the Ball" ("Loin' du Bal") Gillet
Willie Cochranes.
"Wed In The Summer".......... Wrader (7)
"It's a Fine Thing to Sing"
Commanity Singing.
Joln Brown's Body:
"Rule, Britamia
"Keltic Suite "0 .......................... Fom2dd
I Pitch My Lonely Caravain" ...... Coates
Now Sleeps thi Crimson Petal Quilter (1)
"A Farewall" $\qquad$ Chorns.
"Soldiers" Chorus" ..................... Gownod
Cedric Sharpe.
"Love's Greeting" ("Sulut d'Amour ")
"Old Euglish Air" ... arr, O. sharpe (31)
" Minuet" … Becthoven, am. C. Sharpe
"Old Irish Tane" .......... arr. O. Sharpe
"Ohio" Willie Cochrane.
"1 Love a Lassie" ................. ) Lender (7)
Introduction, Third Act, "Lohengrin"
Commanity Singing
Auld Lang Syne,"
God Erve the King,"
9.30.- MEATHER FORECAST and NEWS. 8.B. from Lindon.

Dr. A. W, J MACFADDEN, S. $B$. /rom Landon. Lacal Nows.

DANCE MUSIC
Reloyed from
The Piccadilly Picture Theatre.
Condnctor, STANLEY E. MILS.
10.30.-Close down.

5NO NEWCASTLE. 400 M .
3.0-4.0.-Transmision to Schools.
4.0-5.15. - Bertrude Hibhs (Soprane), Alan Proetor (Solo Pianoforte). Rell and Taylor (Cornet and Tromhone Doets).
5.15-6.0.-CHILDREN'S CORNER.
6.0-6.20.-Scholars' Half-Hour.
6.40.6.55.-Ministry of Agriculture's Fortuightly Bultetin. S.A. from London.
7.0.-WRATHER FORECAST and NEWS. S.B. fron Jondon.

PERCY SCHOLES, S.B. from London. Liocal News.
7.30-9.30. Request Night Programme-
9.30.-WEATHER FORECASE and NEWS.
S.B. from Lowdon.

Dr. A. W. J. MacFADDEN.
S.B. froia

London. Local News.
10.0.-Request Night Programme (Continued). 10.30. - Clone down.

2BD ABERDEEN. 495 M .
3.30-4.0.-School Transmission : Dr. W. Douglas Simpson, F.S.A. (Seot.), on "The Bhack Keels of the Vikinga." Mr, Willan Swainson on "Counterpoint." Mr. D, B, Harden on "Life in Roman Pompeii." 4.15.5.0. The Wireless Trio. Feminine Topics. 5,15-6.0-CHHDREN'S CORAER.
6.0.-Football Cortier, condneted by Peter Willian Brown, B.Sc, M.B.C.V.S., "Veterinary Topics:" the auspices of the
Advisory Corner umder. North of Scotland Apricultural College : Conducted by Don G. Munro, B. Sc. 7.0-10.30.-Pragramme S.B. from Gluagore.

5SC GLASGOW.
420 M .
3.30 .12 .20 - Mid-day 1 ransmission.
4.0-4.45-Broadcast to Schools.
45.-Musical Moments by the Wireless
Quartet and John Brown (Entertainer)
4.45-5.15. WOMEN'S HALF-HOUR.
5.15-6.15.-CHILDREN'S CORNER.
6.15-6.20. - Weather Forecast for Farmers.
6.40-6.55. - Ministry of Agriculture's Fortnightly Bulletin. S.B. from London.
7.0.-WEATHER FORECAST and NEWS. S.B. from Loudon.

PERCY SCHOLES. S.B. frow Liowdon. Local News.

Our Birthday.
S.B. to Aberdecn, Beffast, Edinburgh, and THE STATION ORCHESTRA. Condncted by
HERBERT A. CARRUTHERS
THE HAWAIIAN GUTTAR PLAYERS (COLLEEN GORDON, STEFANE DAVISON, ROY LIMBERT, CECIL HERBERT WATTS).
HERBERT A. CARRUTHERS (Solo Pianoforte).
DORIS VANE (Soprano).
PIPE BAND OF TTH (BLYTHSWOOD) BATT. HIGHLAND EIGHT INEANTRY.
7.30. Pipe Band.
Slow Air, Border Slow March.

Slow Air, Border, Slow March.
Selections: Mareh, "K.O.S,B,"; "Farewell to Mecrut.
Strathspey, "Give wi" the Crookit Horn." Reel, "Mlaggon.
7.45. Overture, "Robespieme".

8.5. "One Fine Day" Doris Vane. ............... Puccini
8.15. "Santuzza's Song" Just a Burlesque:...... Mascagni
8.15. What a Programme may be like-in 2000 A.D.
By the Station Staff.
8.40. Herbert A. Caryuthers.
"U Valso Caprice," No. 2 in A

| "Prelude in C Minor $"$ " |  |
| :---: | :---: |
| " Etude Caprice $"$ | Herbert $A$. |
| Carruthera |  |

8.50. M, Doris Vane.
"Mienela's Song", (" Carmen") ...... Bizet
9.0. Hawaitian Guitar Players.
"Hawaifan Groetings" ......) Jorr. C. Wafta
"Ukulele Blues"
"Havaiian Farmyard ". arr. C. Watla
9.15. Slow March, " Bipe Band. Balloway,"

Selections, "Blue Bonnets"; "Waterloo"; Aberlont Honse": "Merry Black-
9.30.-WEATHER FORECAST and NEIVS,
S.B. from Louilon.

Dr. A. W. J. MacFADDEN. S.B. from
10.0. London. Local Nows.
10.0. Hawailan Guitar Players.
"Onsical (?) Chat "........
"On the Beach at Waikiki
"Kamshamoha March" ., arr. C. Weits
". Mauna Kis"
10.15. Alona Oe Ordbestra.

Masical Comedy Selection, "The Dollar Primeess"...................... Lico Fall
Patrol, "The Wee Macgreegor" ... Amera
Selection, "Florodora " ............... Sergrt 10.30-: Close down.


Thursday's Programme.
(Continued from page 449. )
Everybody's Programme.
IRENE SCHARRER (Solo Pianoforte).
DALES SMPTH (Beritone).
G. C. MASSON (Entertainer).
7.35. THE WIRELEAS OROHESTRA.
7.35. Solection, "Half-Past Eight" ...... Rubene
7.45. Dale Spuith.
"A Roarming" "Whither ".....) "The Fair f
"To the Brook";
"The Quinstion " $\begin{gathered}\text { Maid of the Schuberi } \\ \text { MiH") }\end{gathered}$
"Irepatience"
8.0. Irene Scharrer.
"Moontight Sonnta"................Beellioven 8.20. G. C. Masson
A. Few Storieis in the Doric.
8.30. "Helen of Kirkconnell") $\qquad$
"My Sweot Swooting" ...
"Peace".
"The Vagahond "...................................... (4)
"The Bold Unbiddablo Child
8.45. Irene Scharzer.
"Hark, Hark the Lark"...Schubert-Liost
" Liebcettalumo
"Rhapsody," No. 12 I $\qquad$ Lisst
9.5. More Stories.
Q. C. Masson.
9.15. Orchestra.
"French Comedy Overture ", .. Keler Bila 0.30-11.0.-Programme S. F. from London.

5SC GLASGOW.
420 M.
3.30-4.30.-An Hour of Melody : The Wirelens Quartet and Edith G. Paterson (Soprano).
4.45-5.15-WOMEN'S HALF-HOUR: Margaret H. MacDonald, "Lifo on the Prairies ${ }^{4}$ (11).
5.15-6.0.-CHILDREN'S CORNER.
6.15-6.25.-Girl Guidos' Talk.
6.15-6.25--Lir Guidos Talk. Boy Scouts, S.B. to Aberdeen.
$6.40-6.05-A$ Talk on hohalf of the Giels Guildry. 8.B. to other Stations,
7.0.-WEATHER FORECAST and NEWS. S.B. from London.

Mr. ALLEN S. WALKER. S.B. from Radio Society Talk. S.B. from London. Local Nows.

Border Scenes and Some Humour. S.B. to Dundee

THE STATION OROHESJRA.
Conductod by
AUGUSTES B A. CARHUTHERS.
F. ELLIOT DOBHE (Baritone)

WALTER TODD (Entertainer).
7.35. Orchestra.

A Border Ballad, "Grey Galloway"
J. B. MoEtwen 7.50 .

8.0.
"Scottish Fantasia" "........David Styphen
8.15. Recital by Auguetus Beddie.
"Daridie Dinmont Entertains Captain Brown "1 ...............Sir Walter Scole
Theidental Music by

THE WIRELESS QUARTET.
8.45.- Walter Todd.
" My Pcople"
"Dartmoor Days "...................Woodhouse
"If the Missus Says It's Black"...Stanley 9.0. Orchestra.
9.10 "Border Overture"..........H. A. Carruthers
9.10. "Sally Gray F, Elliot Dobie.
"The Bashful Collected and Edited by
"Wooer" $\cdots$ J. J. Graham (2)
9.20.
"John Peel ")
"Inventive
"The Ideat Home "......... Laiurence (13)
9.30-11.0.-Programme S.B. from London.
payd 447.

## WIRELESS PROGRAMME-SATURDAY

 aignity

210
LONDON.
365 M .
4.0-5.3Q-Time Siganl from Greenwich. BAND OF 2ND BN. THEDORSEI IGGT. Bandmaater, Mn. G. E. Hudsott. Mangaret Miller (Contralto). Vietor North and Olive Birdell Comely Duets). A Garden Chat by D.-Eardley Wilmot.
$5.30-4.15$. - CHILDRENS CORNER: Mwic by the Octet. The Randelph Cliildren's Fireside Tales (3), told by Edith Soung Children's. Nows.
0.40-6.85. Mr. J. REX JONEE, B.A., "Coats of Arms."
7.0.- TIME SICNAI FROM BIG BEN: WEATHER FORECAST and 181 GENERAI NEWS BULILEIIN. S.B. to all Stations.
Mr. A. LLOYD JAMES, Lecturer in Phonetics at the Eniversity of Inndon. Moro Feots About Our Speech. ${ }^{\text {M }}$ S.is. to dbcrden, Local News.

Popular Operatic Evening, GERTEUDE JOHNSON (Soprano) GLADYS PALMER (Contralto)
HCBERT CARTER (Tenor).
DENNIS NOBLE (Baritone). THE WIRELESS SYMPHONY ORCHESTRA.
Conducted by
L. STANTON JEFEERHES.
7.30.
30. The Orchestra
Overture, 'The Eoutowain's. Mite Erice sinwthe (2)
The Botcony Scene " (Act II. " Fomeo and Juliet") . ................. Gounod Romeo
Juliet Gertrude Gregorio ... HUBERT CARTER GERTRUDE JOHNSON ...... GLIDJS PALMER Roxald Gourley
In "Oporatic Impressions." Hubert Carter.
Aria, "The Prize Song" ("The Místersingers ") - .................. Wagner
Dancess, "Priuce Igor" (With Chorus)
Borodite
Scena and Quartet, "Rigoletto" "T Terdi
The Duke ........ HUBERT CARTER
Gilda ........ GBRTRUDE JOHNSON
Maddatena ........ GLADYS PALatER
Rigoletto. The Orchentra.
Suite, "Carmen," No. 1 .. Rinald Gourley
in further "Operatic Impreesions," Ghadys Pahmer.
Aria, "I Have Lost My. Eurydice ("Orpheus ").
Aria, Nobil Sigior ${ }^{3 i}$. ........... Meyerbeer
9.30.-TIME SIGNAL FROM GREENWICH, WEATHER FORECAST and 2ND GENERAI, NEHS BULIETIX. S.B. 10 all Stations
Major I. R. TOSSWILL, Ruggee Talk, Tackling, and England's Prospeets against Scotland." S.B. to all Statiois.
Locat Nows
10.0.

Ballet Music, "Fau-t
Ballot Must,
Wedding Procession,
Atra.
Wedding Procession, The Golden Gom orel ${ }^{\text {² }}$ Rimaly-Korsuko
10.30 -THE SAVOY ORPHEANS, SAVOY HAVANA BAND, AND SELALA FOUR, relayed from the Savoy Hotel, Londom. S.B. to all Stationo.
12.9.- Clone tlowi.

## $5 I T$ BIRMINGHAM. <br> 475 M .

3.30-4.30.-Children's Concert.
5.0-5.30.-WOMEN'S CORNER : George Hand. ley, F.E.S., Becs and Bee-KeepingEdith Freeman (Contralto).
$5.30-6.30$--CHILDREN's CORNER : Aumtie Pliil and another siwoly story,

| 6.30-6.4.--"Teems |
| :---: |
| gotts, B.A. Corner : Harold Mur |
| The Temple of Skalts." | gotts, B.A. "The Temple of Skalla."

WEATHER FORECAST and NEW, WEATHER FOR
S.B. froms London
Mr. ©il EVANS (Welsh Interiational and Inter Vasity Referee): A Pew Temarks on Ragly Footbill. Local New\%.

## Operatic Programme.

FAUST '
(Gomed).
Relayed from
Margarita
The Town Hall.
BEATKICE JUR.INDA

Siebel
Marthe)
Fans
Valentino
Valentine ....
Mep pisistopheleg CONSFANCE WHLIS PARRY JONES
WILIAM MCHAEL
THE STATION SYMPHONY
ORCHESTRA
THE CITY OF BIRAIINGHAME CHOTR
Conductor, JOSEPH LEWIS.
0.30-12.0.-Progrmunc S.B. from Lordon.

## 6 BM BOURNEMOUTH. $\quad 385 \mathrm{M}$.

$3.45-5.0$.-Talk to Women 2"College Life" by Beryl Trevelyan. B,A. The ROXAL BATH HOTEL JANCE ORCHESTRA, relayed from King's Hall Roome Musical Director, DAYID S. LIFF Romn Howard and Charles Croyiond (Entertainerr).
$5.0-6.0$.-CHILDREN'S CORNER.
6.0-6.30.-Scholars Half-Hour : THe Forma tion of Mountain Masses," by A. Bar raclough, M.A., F.R.G.S.
7.0.-WEATHER FORECAST and NEWS Sr. WHLLIAM HOGAHTH: "Night Promlers.
Iocal News,

| 7.30. | Lucky Dip. Night. CARDIFE. |
| :---: | :---: |
| 7.45. | GLABGOW. |
| 8.0 | miRMUNG\#AM. |
| 8.15. | ABERDEEN, |
| 8.20. | NEWCASTIE. |
| 8, 45. | MANCHESTER. |
| 8.0 | LONDON. |

## 5WA CARDIFF.

351 M .
3.0-1.0.- Falkman and his Orchestra, relayed from the Capitol Cinema.
4.45-5.15.-"5WA 8" "FIVE O'CLOCKS
$5.15-6.0$.-CHILDREN'S CORNER.
6.10-6.55.-Col. R. H. Collier, D.S.O

- Motor ing Hints
7.0.-WEATHER FORECAST and NEWS S.B. from Loidon

Sporte Comer, conducted WHLLIAMs. Local News.
" Dancing Round the World.'
JOHN COLLINSON (Tenor).
T. H. ETCHEVERBIA (Baritote) THE STATION ORCHESTRA Conduetor: WARIVICK BRAITHVAITE. 7.30.

Two Norwegian Dances, 1. and II
Danze Rosse" ("Russian Dance ")
Krakowak " (Polish National Dance) Bogeth
Johm Collinson:
Shepherd's Song " (Norway-Folk).
Midst Roses Sweet" (Sweden) H.R.H. Prince Grettet of Normay

Wanderer's Night Song " (Russia) Maxurek

> "(Poland-Folk)
> T. H. Etcheverria. Euglish.
Eatly Ono Morning f...., Soaclan Jogran Over the Moantains"

Bavarian Dance $\begin{aligned} & \text { Othestra. .... }\end{aligned}$
Heg.Haj ${ }^{\text {Hance }}$ (Hungarian National Deduor:
Hungarian Dance " in F Atinor, No. 5 . John Collinson,
Prize Song" ("The Mustersingers") (Bavaria) . . . . . . . . . . . . . ... Wayaer Mogyar Song" (Hungary-Foilk).
Tune Thy Strinus ", ........
Frensll Song.
Orchestra.
Slawonic Dance, No, 3 in D ...... Doercak. Whambra, "Caprice Eepaguol. ... Sender Spanish Dance, "No, 8, . . . . . Starapate
Mfoorish Dance " (Suite Orientale) . . Beryc Joln Collinson.
FTaj-Mahal " (Morocoo).
Four sorigy from the Japanese, arranged from Folk Melodies
lao iit: : Lilies of the The Dreaming Lalke the Jisherman -. The Wind song of the Jisherman The Wind and the Weathercock. T. H. Etcheverria. South American Songs. Ochestra.
Japanese Suite
Holet
Ceremonial Dance; Dance of tho Marionette; Dance Ender the Chercy Treo: Dance of the Wolves.
0.30-12.0,-Programume S. B. from Lordor.

2ZY MANCHESTER. 375 M
$3.30-4.30$--Maric relayed from the Piceadilly
Picture Theatre. Conductor: 8tunley E. Mills.
4.30 5.0. WOMEN'S HALE:HOUR: Charles Critchley (Baritone)
5.0-6. WEATHER FORECAST and NEWS. S.B. from London.

Mr. F. STACEY LINTOTT : Weekly Talk on Sport. Local News.
THE ANGLO-HAWAIIAN PLAYERS :
(COLLELN GORDON, STEFANIE DAVISON, ROY LIMBERT, CECLL WATTS) In " A NIGHT IN HAWAII
WALTER ELMSLEY (Poetry Reading).
Hawaian Greeting" ... ar Cecl Walts Kilima Waltz" …........ arr Cecil Wates Ukulele Blues ". ... are. Oecil Watts (3) My Hula Love"
One, Two, Three, Four it arr. Cecil Hath Hawaiian Farmyard " ; Walter Elmaley.
Reading his own Lancashive Dialect Powns. Anglo-Hiwuiian Ployers,
Palakiko Blnes ${ }^{\prime \prime}$
Musical (2) Chat.
Kamshamoha March ar. Cecil Halls On the Beach at Waikiki
The Loot Ciord: The Tale of a Beoken String?
Keitucky
Barbecue
...arg: Cccil II att Whansley.
Reading his own Lancashire Dialect Peems
Hawaiian Longing," " Echues of Hawaii Waltx," "Making Mosie", "Sweet Brown Maid of Kiamuke, The Liak ". "Mauna Kia," ": Puna Murch," *Abha $\mathrm{Oe}^{*}$............ ars. Cecif Wetts
0.30-12.0.-Prograsinme S.B. from Lomdon.

5NO NEWCASTLE, 400 M .
3.45 5.15 , The Station Septet. Kathlyn Birch (Soprano). Norah Balls: =Women in Greek Drama " (III.).
5.15-6.0.-CHILDREN'S CORNER.
6.50-6.55-Poultry Notes.
7.0.- WEATHER FORECAST and NEWA.
S.B. from London.

Ms. JOHN KENMIR : Footbull Talk.
Local News.
number against
of its publ

## WIRELESS PROGRAMME-SATURDAY 7th.)

The letters "s.8." printed in italites in these programmes signity a simultancour Broadcast from the station mentianed.

CONSTANCE LAKE (Soprano).
GEORGE BAINBRIDGE (Baritone)
frank charlton and ted batey (Entortainers)
the station orchestra.
Conductor : EDWARD CLARK.
7.30 .
${ }^{4}$ Bussian Ballet
Orchestra.
7.50 .

Aonstance Jako.
An Aprit Birthday thendon Ronald (31)
The Pipes of Put .... Lionel Moycktoal
"Sing, Joyous Bird" Monterque Phillips
Frank Charlton nud Ted Batoy. ${ }^{1}$ Contradieting

Jolies (13) Toodle-00

Low (7)
8. 10. Plantation Orchestra.
8.90. George Buinbrisg

Come, My Own Onw
Clutuam

A Baajo Song

## $\mathrm{g}^{\prime \prime} \cdot \cdots$.

Butferveorth Iike to the Frummek Rose Sidtry Homer
8.30. Frank Charlton and Ted Batey Broken Melodies

Weston and Charlton Seven and six Weston and Led (\%) Mother Hublited" . ........ arr. Charlbon
8.45, Constance Lake. The Fairy Nlate ${ }^{\prime \prime}$.............. Oliver (8) Down in the Forest ${ }^{\circ}$ Lamdon Ronald (5) The Market Follow the Fairies
. . ... Cecil Buiumer
9.0. Frauk Oharlton and Ted Batey.

Sing Us a Tyneside Song
Chariton
9,10. Gearge Biainbridge-
I Have Twelve Oxen
Special Football Feature.
9.20. - 9.0 . - Programmie S.B. from London
$9.30-10.0$. Pragnab
19.0-11.0.-TILLEY'S DANCE. BAND, re. Layed from Barris Bridge
11.0-12.0.-THE SAYOY BANDS. $S, 16$ from London.

2BD ABERDEEN. 495 M .
3.30- 5.0 .-The Wireloss Trio. Mury Topp (Sopraino) Feminine Topics.
5.15-0.0.-CHILDREN/S CORNER: Soygs by the Encles,
6.15-6.30.-This Week's Interesting Anniversary (prepared by John Sparke Kirklnnd) "Solearin Jvaguo and Covenint," sub geribed March lat, 1628.
6.10-6. $55 . \mathrm{Me}$. William Hendevson, Royal Hostimulfural Sociely of Aberdeen, on "The 13 egonia."
7.0.-WEATHER FORECAST and NEWS. S.B. frow Londent.

Mr, A. LFOYD IAMESS. S.B. from Londom.
T.ocal News.

## Two Soloists-Orchestra.

NORA DELMARR (Soprano) ELIDER CUNNINGHAM (Bass-Baritone). THE WIRELEKS ORCHESTRA.
7.30 Sselection, "Hervolinde". Massenei-Gentin
7.15. Nora Delmarr.
7.15. Nora Detmarr.

Jewel Song wind"
"Wiainti Poi (Mnori Song)
7.55.
"Scottish Symphonic Dances " Wright (1)
Mavoh, ${ }^{\text {M Kingland, Land of the Freo Horris }}$
The Puppets' Promenade " . . . . Matlory
8.15.

Fider Cumumghim
Deranshitn Cream imd Cider
"Menidn' Roadways ${ }^{4} \quad$ Sametorson (1)
"Father O'Fiynn :\% Sric Coatey
8.25. . Orchestra.
March, "Bonme Blue Bonnets ". . de Yille Nora Delmurt.
"Musetta's Waltz Song" ("La Bolume")
"Friakny Enve Lito " Kemnedy-Frower (1) "All-For You" . ..... Eushops Biartin (b)
8.40 .

Elder Cumininghum Joo the Gipsy"<br>aminingtam B Batton (5)

Drake Cioes Weat
The Old Side Car 50.

Suite, Moliday Stelehres.
5.

The Temple Nora Delmarr. Boll +1 Eove Lyries") ........ Woodforde-Finden (1) Fax Accoes the Desert Sands" ("Bongs of Damasens ") . Waodforve. Finden (1) Bessie's Walts Song'" ("Merrie Eng-

Lighterman Torn $\qquad$ . ..... Sjuine
The Little Irish Gir! $\qquad$ - Loler

The Otd Warrior ${ }^{\text {t }}$ $\qquad$ - Trotera
9.30-19:0.-Programme S.13. Jrom Lozdon.

## 5SC GLASGOW.

420 M.
3.30-4.30.-An Hour of Melody : The Wireless Quartet. Lauroueo Macaulay (Baritone).
4.45-5.15.-WOMENS HALI-HOUR: Campbell Mackie on "Batiks, and How They Are Made.
5.15-6.0.-CHILDREN's CORNER : At Home Day for Children of All Agess.
6.0.-6.5.-Weather Forecast for Furmers
6.30-6.40.- Clasgow Radio Socioty Talk.
6.40-6.50.-W. Kersley Holmes: "Up tho Dwina River."
7.0.-WEATHER FORECAST and NEWS. S.B. from Lomedon.

Mr. J. A. LOVE TINDAL: "Oddr and Ends in Life."
Local News.

## Bailad Concert.

## Rellayed to " 5 XX .

THE STATION ORCHESTRA :
Conducted by
HERBERT A. OARRUTHERS.
AMY MURDOCH (Soprano).
7.30. PHILIP MALCOLA (Baritone).
30.

Seloction of Toatis Poppular Songs.
55.

O Lovely Night " .. Lemdon Ronaid (5) Love's a Merchant" ....... Molly Carce
*Rore Softly Btooming " + +...... Spohir
The Sweetegt Flower that Blaws
0 Fair and Sweet and Holy ${ }^{* 1}$ Rubinstein
8.10.

Battet Mraie, "Le Cid" ...... Masschel Custiliana: Andalouse; Argonaise; Aubade; Catalane; Madrilone; Navar-
8, raise.
Philfp Mateolm.
Soldiers' Songs.
Unto My Roe " " (Bobemian $\left\{\begin{array}{l}\text { Holbroose } \\ \text { The Story of a }\end{array}\right.$
The Story of a ${ }^{\text {Drum }}$ (Bobemian $\left\{\begin{array}{r}\text { Songs) } \\ \text { (1) }\end{array}\right.$
On the March in . . ............. Otiver (8) (With Orehestral Accompaniment.)
8.40.

Suite, "Harvest Time ". .Hayein Wood (1) Harvesters ${ }^{\text { }}$ Dance ; Interiude ; Harvest Time.
8.50. in wae's Me for Prince Charlie

Wae's Me for Prince Charlie ") Triedt:
The Four Miories" . ........
My Ain Fireside" (25)

Eriskay Lullaby ${ }^{* t}$..Fennedy-Frmary (34)
9.0. Orchestra.

Four Dances ( ${ }^{\text {T The Blue Bird }}{ }^{\text {" }}$ )
$O^{\prime} \operatorname{Ne} \overrightarrow{1 t}$ (4)
Dance of the Miatinside ; Dance of Fire and Water ; Dance of the Stars: Danee of the Hours.
9.15. Philip Maleotiv.

Dramatic $\int_{\text {". Young Diotrich "t }}^{\text {" }}$. Henschet Songs $\left\{\begin{array}{l}\text { "The Lute Player"". . Allifsen } \\ \text { "The Bandotero ".... Stwark }\end{array}\right.$ (With Orchestmal Accompaniment.) -0.30-12.0.-Prognatime S. IB. from Landon.

A mumber against a musical itom indicytes the name
of its publisher. A key likt of puhlihhers will be found on
page 497 . pase 407

## EVENTS OF THE WEEK.

## SUNDAY, March 1st.

LONDON and " 5 XX, " 3.0 . St . David's Day Programme. S.B, to other Stations. LONDON and " 5 XX ," 9.0.-De Groot and the Piccadilly Orchestra. S.B. to other Stations.
BIRMINGHAM, 3.0.-Light Classical Programme.
BOURNEMOUTH, 9.0.-The J. H. Squiro Celeste Octet.
MANCHESTER, 3.0.-Welsh Programme, NE WCASTLE, 9.0.-Philharmonic Concert, relayed from the Palace Theatre.

MONDAX, March 2nd.
BIRMINGFAM, 7.35,-Music and Plays. BOURNEMOUTH, 7.35.- England, Ireland, Scotland, and Wales."
MANCHESIER, 7.35. - Symphony Concert.
ABERDEEN, 8.0.-An Hour of Poctry and Fairy Music.
GLASGOW, 7.35 , " Jeanic Deans "" or "The Heart of Midlothian " (Sir Walter Scott).
BELEAST, 7.35. Songs and Folk Music.
TUESDAY, March 3rd.
" 5 XX , ${ }^{* \prime}$ 7.30. - Excerpts from Shake-
ALL STATIONS except " 5 XX," 7.30.
The Sea," 10.0. "The Country."
WEDNESDAY, March 4th.
LONDON, 7.10. Lord RIDDELI os "Popularity and Posterity," S.B. to all Stations.
LONDON and " 5 XX, " 7.30, . Sullivan Programme.
BIRMINGHAM, 7.30.-A Jubilee Celebration, and Ballads.
BOURNEMOUTH, 7.30.-Winter Gardens Evening.
CARDIFF, 7.30. Symphony Concert, relayed from Bristol. Conductor: EUGENE GOOSSENS.
NEWCASTLE, 7.30.- Selections from
BELEAST, 7.30.-Symphony Concert.
THURSDAY, March 5 th.
LONDON, 7.35. Chamber MusicEvening. Recital of Songs by JOHN COATES. S.B. to other Stations.

MANCHESTER and ${ }^{\prime \prime} 5 \mathrm{XX}, " 8.50$.-The HALE ORCHESIRA, conducted by HAMILTON HARTY. Relayed from the Free Trade Hall, Manchester.
NEWCASTLE, 7.35. "A Night
Hawail."
GLASGOW, 7.35.-Border Scenes.
BELFAST, 7.35.-Musical Comedy Night.
FRIDAY, March 6th.
LONDON and " $5 \mathrm{XX}_{*}$ " 7.30 .-Italien Night.
BOURNEMOUTH, 7.30.-British and French Music.
CARDIFF,7.30.- "Voices from the Void."
MANCEESTER, 7.30.-Concert relayed from Heuldswerth Hall.
GLASCOW, 7.30. Birthday Programme. S.B. to other Stations.

SATURDAY, March 7th.
LONDON and " 5 XX ," 7.30. -Popular Operatic Evening.
BIRMINGHAM, 7.30.-The Opera "Faust" (Gounod).
CARDIFF, 7.30.- ${ }^{4}$ Dancing Round the World,
MANCHESTER, 7.30.-"A Night in Hawain.:
GLASCOW and $" 5 \mathrm{XX}, * 7.30$,-Ballad Concert.


## REDUCED PRICE

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The Itter ag.a." priated in italits in these programms
zignify a simultanesua Broadcast from the station men-
2BE 435 M .
SUNDAY.
3.0 5.0-ST. DAVID's DAY FROGBAMare.
S.B. from Loidon, CORNER. S.B.
30.-CHILDRENE CORNER
5.0 5.30-Chom Lo.dor THE "2BE" CHABBEER QUARTET. ALBERT FITZGERMLD (Seeond Violin), HARRY LOWE (Viols).
RZUINALD DOBSON (Cello)
THE STATION OHOLR.
Quartet.
8.15, Quartet No. 2 in $\mathrm{G}, \mathrm{Op}, 18$ (First and Scoond Xlovementa) ........ Beethoern
9.4. Choin.

Hymu, "O the Deep, Deep Love of Jesus"
Anthern, "Make Mue of Cleats Heest""
Address: The Prov. I. G. PATON Baraby (II) B.D. M.C., of Malone Ereshyterian Church.
Mymm, $\because$. Strenget and Stuy:
9.30. Quartot.

Quartet in A Minor, Op. 29...... Sckabert
10.0 . WEATHER FORECAST and NEWS.
S.B. from London. Local News,
10.15. Punctet.
10.30.-Close clown.

MONDAY.

6. $40-6.5 \overline{5} .-$ Prof. R. M. Henry ! Our Debt to Areece and Kome,"
7.0.-WFATHER FORECAST and NEWS. S.B. fram Lardont.

Radio Association Tull, S, B. from Lendon, Prof.J. E. G. DEMONTMOFENCY, S.E. from Laidol, Loaral Nox's.

Songs and Folk Music. HERBERT SCOTT'\& MEXED VOICE CHOIR.
Soloistis:
JAMES NEWEL (Baritome)
DAVID MeALPIN (Basa). THE STATION ORCHEATRA RECINALD DOBSON (Solo 'Cello).
7.35. Orchestra.

Overture, "Mymouth Hoe" . Morrcisy
.... Ansell Choir.
Ho, Ho. My Nut-Brown Maiden arx Malcolm L.enesona James Newel and Chertifo Chunty, "What Shal Wo Do ${ }^{\circ}$
$\square$
David MoApin and Male Choris. Song (Dialogue), "The Poor Couple' urr. Cobil Sharpe (11)
Choruses $\left(\begin{array}{c}\text { "Come Uuto These } \\ \text { Yellow Sands ". } \\ \text { ("Full Futhom Five" }\end{array}\right) \begin{gathered}\text { "Thempest "1) } \\ \text { Purcell (11) }\end{gathered}$ Orchestra.
"Three Old Baglish Danoes" Lequra Lemon Reginuld Doheson.
Andente from Concerto No, $\overline{\text { in }}$ in Minor
Orchestra.
Suite, "The Village Green" Elsio $A$ pril (i) Ohoir.
Song, "O Waly Waly" arr. Cecil. Sharpe (11) Ladies' Cliorus.
Chanty, "Shemandoah "arr. R. R. Terry (2) David MoAlpin and Male Chorus.
Medrigal, "April is in My Mistress' Face"
Eong, "The Greenland Fishery" ark. Cecil Sharpe (11) Orchestra.
"Morris Danee Tunes" (Set II.) Hotes !11) Choir.
Song, "Chestspeake and Shamnon" arr. Cecll Sharpe (11)

- Fred Maskes and Chorus.

Soug, "The Lover's Taske'

Etsic MeCullough and Ladies Chorns. Mindrigal, "Latdy, See On Every Side" Mareatzio (11)
Song, My Mur John " arm. Cecil Nharpe (11) Orchestrah.
"English Folk Song Suite"
Vauplam Willianes (1)
6.30.- WEATHER FORECAST ind NEWS.
S.B. from Iosdon.

Topricat Talk, Jocal Newr.
10.0. Orwhestrut.

Bells of Ouscley ". Hiome Wiatuma (1)
Memories of the Early Eiphties"
Follow tho Krir ma... Hume IVitioms
One-step, "Savoy Irish Medley "Somers (9) 10.30.-Closo down.

TUESDAY.
11.30-12.30-Gramoplane Records.
4.0-5.30.-Concert : The Ktation Orchestro.

Doreen Gibson (Solo Pianoforte).
5.30-6.15,-CHIIDEEN'S CORNER.
7.0-11.0.-Programme S.E. from London.

WEDNESDAY*
4.0-5.0. The "2BE " Quartet.
$5.30-6.15$. CHIL.DEEN'S CORNER.
6.40,-Ministry of Agrieulture: Farmens Talk.
7.0.-WE.NTHIER FORECAST and NEWS. S.B. from Londoir.

Lord FIDDDEIA. S.IA. from Exomdun.
Lrocal Nevss.
Symphony Goncert.
THE AVGMENTED STATION
ORCHFSTR
ORCHESTRA
Condacted by F. CODFREX BROWN. FRED HUGHES (Tenor).
RHODA CYGHHLL (Bolo Pimnoforto).
7.36. Orehestre. $\qquad$
Overture, "Cost fan tutie" "....... Motart
Symphooy No. 13 in F Majot........ Hayen
"I Attermpt From Lughes, Love's Sicknesh to
Fly".................................Purcell (II)
*O Mistress Mine ${ }^{\#}$...... ${ }^{\text {A }}$. ... Quiller (I)
"3emories ${ }^{*}$
Rhods Coghili.
"Fantaat ic Pieces" ................ Schamam
Night ; Fablo; Drean Vivions; Epilogue.
Orchestra,
Varintions and Eoudo for Strings and Forns
Thome with Variations; Ronilo-Allogro. Fred Hughes.
"Open the Door Soitly"
"Tine Flower of Finm"
"A Good Toarin' Fire " Grr. H. Hughes
Half a Bay" (Ulater
Fragraent)
Rhoda Coghill.
"Tantaisle-Impromptu ${ }^{\text {" }}$ Ncherwo in B Minor ${ }^{2}$....................) Chopin
Kcherro in B Minor .....
Orchestin.
Symphony in G Minor ............. Nosart
9.30.-WEATHER FORECAS' and NEWS. S.B. from Lendor.

British Dramn Jongue Teotive Recitul. S.R. from Lendon:

Royul Horlicultund Society Talk. S.B. from Liondon. L.aeni News,
10.20. Orchestra.

- Morris Dance Tunes " (Set I. Irearnd (11) 10.30 --Close down.

THURSDAY.
4.0-5.0.-The " 2BE" Quintet.
$5.30-6.15$ - CHILDREN'S CORNIPR.
0.40-6.55,-Talk on the Girls' Guibiry: S.B.
7.0.-WEATHER FORECAST and NEWS. S.B. from London:

Mr. ALLEN \&. WALKER. S.B. from London.
Radio Society Telk. S.B. from London. Local News.


Nusical Comedy Night.
THF STAT]ON ORCHISTRA.
MARJORTE BOOTH (Contrafto).
Oreheatra.
Overture, "The Arcadians "
Suite, Foum Dancer from 'T The P obel Maid'
1ymmis Pollips
"Beclielor Gay " ...........................t. Tate
"Star of My Foul" (" Cleisha*") S.Jonek
"The Shade of the Pulm " .......... Stuart Selection, © The Gehiklan ${ }^{\text {² }}$ Marjorie Booth and Dennis Noble.
"Morry Month of Mey $"+$............... German
"Not That Sort of Porson" ... Monelron
"Trot Here and There" .........Messager 8.30.

Seloction, "Vironiquest "........ Messuger
Murionie Bewoth.
"A Quaker Girl" "................. Monchton
"Garden of Love "("Véronique ") Meamger
"Moonstruck".
Orehestras
Three Dannees from "Tom Jones " German Bolection, "The Relle of New York " Korler
March, "Robbers' Chorus" ... Norton (31)
9.30-11.0.-Proyranine S.E. from London.

FRIDAY.
11.30-12.30.-Gramophone Reeords:

- $.50-3.0$,-School Trumernision ; Apprecistion of Mule."
4.0-5.30.-Corrcert: The Stetion Orohectra. Arthur W. Mayes (Dickens Recitals).
5.50-8,15.-CHILDKEN'S CORNET?

6. 10 -4k.05.- Ninietry of Agriculturo (Northern Ireland) Bulletin.
7.Q-WEATHER FORECASC and NETVS. S.B. from London.

PERCY SCHOLES: S.B. from Lomalons
Laest Nums.
7.30.-BIRTHDAY PROGRAMME: S.B.
9.30.-WEATHET FOFECAST and NEWN
S.B. from Lonalon.

Dr. A. W. I. MackADDEN. S.B. from Lendon. Local News.
10.0.-Birthitay Programme (Cont inual).
10.30.-Ctise down.

SATURDAY.
4.0-5.0.-The "2BE" Trio. E. J. Harris (Solo Clarinet).
$5.30-6.15:-$ CIULDREN'S CORNER.
7.0.-WEATHER FORECAST and NEWS. S.B. frons London.

Mrs. ROONEY of Belfast, Lacal News. Cheery Night.
THE STATION ORCHESIRA.
B. M. KENT (Tenor).

GERAFD MORRISON (Humorist).
GEORGE DUNSEATH (Sifleur).
MAY FULLER , English Concortimi).
7.30.

March, "Thie Froe Lamee ir
Selection, "Whirled Into Happiners" Stedt
R. M. Kent.
"By the Yang-Tso-Kiang" $H$. Boymton Pouter
"The Swecteat Elower that Blowa" Hautey "Here in the Quiet Hils".... Geralt Carne George Dunseath and Mny Fuller
will Entertain.
Qorald Morrison in Song and Story.
Orchestra.
Sutite, "A Day in Naples"
R. M. Kent
"Ia Doman A Mobile" ("Rigoletto") Verdi
"I Pitch My Eanoly Caravain " ... E. Conted
"Charning Chloe
Georgo Dunsenth tend Moy Fuller
will Patertain.
Geralil Morrison in Song rend Story:
Orchestra:
9.30 A Southern Woading from.......... Letier 9.30-12,0.-Programme 8, B, grom-London.

A number againe a mosical item indicitey the nome

## Learning Music by Radio.

## A Love for the "Classics" Gained by Listening.

THo years ago I was a complete Philistine so fir as music is concerned. Of yood music, I knew very little indeed, and had I been-invited to attend the finest concert in the world, it is more than likely that I should have sought to find some excuse for refusing. My ease was, 1 suppose, typical of that of thousands upon thousands of Englishmen, who, though fairly well taught in other ways, have never received any kind of musical education.

Some people have an instinctive love of muaic which enables them to appreciate the best, though they may not fully comprehend it. But in most of us, I imagine, the mutural untrained musical sense does not do much more than produce a liking for a well-marked melody such as is easily memorized and can bo whistled or hummed.

## Melody Before Harmony.

There must be few who do not enjoy hearing such classical pieces as the Soldiers' Chorus from Foted, the Toreador's Song from Carmea, and the Pilgrims' Chotus from Tannkasser, and I think that the reason why these pieces make such a universal appeal is that each of them has a very obvious and easily-remembered melody. Muel the same may be said of Rachmaninoff's Prelude, Grieg's Sulreig's Song, Mendelssohn's Songs W ithout Words, Rubenstein's Melody in F; or many of the songs of Brahms. But it is not the harmonies that appeal to the man with no musical knowledge; it is purely and simply the air. It is this that he remembers and enjoys. Most probably he likes piecen of the kind mentioned largely because he can remember then nfter he has heard them played.
To be able to hear and appreciate only the air is rather like seeing merely the strongly marked outlines of a picture without perceiving anything of the fine lines, the chading, the colour, and the grouping whieh combine to make up a thing of beauty.

The eye is naturally a finer instrament of perception tban the car. conveying ideas more equickly and more clearly to the brail. The ear requires a good deal of training to bo anything like as efficient.

## For the Untrained Ear,

Until broadeasting began, the average man probably hoard very little good music indeed. He did not go to concerts-the very thought of having to sit through a pianoforte recital or oratorio would have made him shudder. The revee, the musical comedy, and the popular band performanices catered exnctly for his tastes. They gave him just the musio that his untrained ear could understand, and he asked for nothing mere
Wireless has worked, and is working, the mast anazing revolution in the musical tastes of the nation. It hus brouglit good music into every. arels home And, bessides this, the musical talk- so frequently broadeast have helped the minn in the strect to inderstand.

## Bored by the Sonata.

We vere frankly bored not so very long ago by a sonata. The name meant nothing at all to us, and the piece as played appeared to conrist of three long spells of meaningless noise, distinmenishel from ote another only in that some were faster or alower or nolter or hoisiet than others.
The falks and explanations so adairably given have served to show us a great many thinge. Witti their help, we have discovered that there fo some meaning in the sonata. But sbove all we have discovered that so far from being, as we imagined, utterly bereft of tumes, good musie is foll of them, and that they are far more pleasing than the catchy, obvious airs
that uned to make the only musical appeal to our senses.
And there is a great deal more in it than this. Even the most case-hardened Philistine, if he listens nightly to good music brought in by his wireless set, comes to realize in time that he is enjoying the wonderful harmonies, the lights and shades, the subtle points of arrangement and design, and that he is getting something of the spirit of the music.

## Arm-chair Education.

In a word, one receives with the help of the wireless set il musical educstion in the easient and simplest way. You need not leave your own house, or even your own armehair. You need not dread having to sit through something that is far above your compreheusion, for if you are bored, you can always switch off. Possibly you do switch off frequently, if you are a Philistine, in your early days as a listener. But you soon find that it is becoming leas and less of an effort to listen to good minsic. Then comes the second stage when you discover that you are actually liking some " high-brow " piece, and from that point ouwards your progress is rapid.
E. pe Poynton.

## Later Broadcasting.

## Extension of the Present Rota.

ISTENERS will be interested to know that,
beginning on March 2nd, the soope of the present late night broadcasting will be extended. At $10.30 \mathrm{p} . \mathrm{m}$. every station, except one, will make the following amouncement :-

This station is now closing down until to morrow morning, but the station will be doing an experimental tranamission for the intereat of those amateurs wihhing to carry out long-distance, reception. Thanks to the cooperation of local amateurs, a tuming note will operation of local amieutes in this district by a be sent out for two minutes in this district by a
member of the Tramsmitter and Relay Section member of the Transmitter and Relay section
of the Radio Society of Great Britain, giving the exact wave-Jength on which the -station is tranmitting. Experimenters are requested to tune in to this waye-fength and, as far as possible, to avoid oscillation.

The station taking late rota duty will send out a taning note lasting for four minutes, in contrast to the focal tuning note of two minutee. The station will then transmit ordinary items for the first ten minutes at over modulation; for the next ten minutes at normal modulation, and afterwards below normal modulation.

## Postponement Unlikely,

It must, however, be pointed out that it may be necessary sometimes to continue the ordinary programmes after $10.30 \mathrm{p} . \mathrm{mi}$, in which case, the lite rota will not be from 10.30 to 11 p.m., but sill continue half an hour after the last station of the Broadcasting Company has shut down. In the case of the ordinary programme laating until after 11.30, the late night transmission will be curtailed so as to end at midnight. In the event of the ordinary programme lasting until midnight, the late transmission for that week will be cancelled. It is cullikely that a postponement of the late rota will be a matter of frequent occurrence.
The Radio Tinea will give an indieation as to the station taking late rota duty, besides each station making the annoancement above mentioned. It is hoped by this meant that experimenters and others interested in long-distance reception will have an opportunity of absecsing the qualities of their sets.
If possible, this arrangement will oceur every Monday, starting on March 2nd, and the first Station on the new rota will be Glasgow.

## "A Factor of Safety."

## Getting the Best From Your Set.

MANY people bave asked what is meant by having a set with "a factor of safety." I will try to illustrate what I mean by a few concrete examples. You go to a friend's house and you are asked if you would like to listen to the wireless.

First, you don headphones; the valves are switched on and you hear a faint hiss. After a few moments of knob twiddling, suddenly a shriek, "weet, weet!" The shriek gently falls to a lower and lower value and, faintly appearing through a boomy mush, one hears sounds of muric. The shriek goes up again, only to be brought back to a mutter, and so on until one just faintly hears distant music.

## Tense Hours.

You thankfally go home to your set, closo one switch, and behold! the Savoy-clear clean, never a note or a whistle or a period of irritating adjustment, before you were (in sound) at the Savoy. Your set had a factor of safety, the other had not.
The same with that crystal set you well know. Is it not awful to sit through those tense hours, 'phones pressed to cars, singing a sort of hymn of hate against that rotten transmitting set that will not play the gamo and send out the stuff at decent strength : And it is all so unnecessary.

It may be thought by some that I am trying to hold up the transmission as perfect and condemn the receiver. On the contrary, I am only saying that in too many cases the receiver is not doing justice to the transmitter, even with the latter's manifold fauits. I speak of only some sets, remember, not all; there may be mayy thousmen that are adequate criterions of judgment for the transmission.

## Helpful Hints.

Here is some general advice to those who ate the owners of the first-mentioned sets :
(A) Let us take a circle of five miles from a main station (Aberdeen, Belfast, Birmingham, Bournemouth, Cardiff, Glasyow, Iondon, Manchester, Newcastle), two miles from a relaystation (Dumdee, Elinburgh. Hull, Leeds-Bradford, Liverpool, Nottingham, Plymouth, Sheffield, Stoke-on-Trent, Swansea), or 20 miles from the HighPower station (Chelmsford)-crystal reception with a good outdour aerial is splendid. Crystal reception with an indoor aerial may be good, lout beware of scrappy aerials hung up anyhow, with, perhaps, a poor gas-pipe rather than water-pipe carth. For loud speaker results, I think within a circle of five miles two valves are necessary, one detector, and one note magmifiet.

## Beware of Indoor Aerials.

(a) Now in a circle of 15 miles from a main station, five miles from a relay or 100 miles from the High-Power-crystal reception with is good outdoor aerial is adequate, but beware of indoor aerials unless they can be made really good, not jut a few yards of wire in a room. For loud speaker results I advise a detector and two note magnifiers, and a good outdoor aerial.
(c) Finally, in a circle of 40 miles from a main station, 12 miles from is relay and 200 miles from the High-Power Station, I think that 25 miles is the limit of erystal reception from a main station; five miles from a relay station, or I 00 miles from the High-Power Station.

Our specifiettion, then, for the above rango presupposed a valve. I should ask for one high frequeney and the detector for these ranges, with a good outdoor aerial, and I should add two note magnifiers lor loud speaker.

All the ahove may sound very conservative; many seti-fied users bay be using fewer valves, bat to those uho are unsatisfied, I would say work to the ahove apecifications, and you will appreciate broadcasting to its full. Pmi THEFs.

A Record-Breaking Journey to the East. By Major FORBES LEITH.*

TEN months ago, I deciiled to make an Aeroplanes had proved their ability to get there ou several previous oceasions. An airahipservice had been projected already, but no effort had yet been made to bridge the distance by mechanical transport.

There were many objects to be attained. First. I was convineed thet, if succesefnl, it would prove the efficiency of British-mado cars in a market that has been almost entirely eaptared by the foreigner. Secondly, it would open up a new route and means of commercial intercourse in and between the countries fraversed, where railways are scarce, or nonexiatent. Thirclly, it would offer great seope for making a film of travel, which would be of great intorest and also extremely valuable from an educational point of view.

One Car all the Way.
After very careful consideration, I camo to the conclusion that to attempt to carry the expedition threugh with one car only, would afford us the greatest chance of success. This car must be light enough to he man-handled often, and yet powerful enough to carry a very heavy load and to climb any gradient.

Eventually, a strongly built 14 h.p. car was chosen and, with the exception of being fitted with extra tankage, it was an ordinary standard model.

My companions were Mr. Allan Wroe, of Ieedis, and Mr. Montague Redknap, of London, the latter of whom was an expert kinematoHrapliei. Both had had some previous experience of the Tropics and were well fitted to stand the discomforts and hardships we bid to anticipate.

Our Limited Outfit.
Our route was planned by way of Paris, Monte Carlo, Genoa, Venice, Trieste, Fiume, Belgrade, Sofia, Adrianople, Constantinople, Ismid, Afium, Karihissar, Konia, Adana, Alexandretts, Aleppo, Damascus, Baydad, Hamadan, Teheran, Ispahnn, Shirax, Kerman, Barn, Duzdab, and Quetta.

Spares and extra film were dumped at Belgrade, Coustantinople, Alexandretta, and Bagdad. Fach of these places was many hundred miles apart, and for the last 2,700 miles onward from Bagdad we had no dunms. We carried no more hpare parts with us than the average motorist would take with him on a trip to Land'e End. Personal baggago had to be limited to an allowance of 35 pounda per man, and as this had to include Keary elothes for Europe, and nlso a Tropical outfit, il was a matter of extreme difficuliy to concentrate everything we needed into a rmall sutit-caro. Cinena camera, cinema films, comthined with oor own weighte, gave us a load of thrie, quarters of a ton, which,
with in car weighing one and a quarter tons, made our total weight just two tons.

We left London on April 29th, 1924, and arrived at Quetta on October 24th, a period

* In a I atk from
London.
of nearly six months, out of whioh, however, wo were running only ninety-six days.

We were delayed for many reasons. Our dumps went astray ; Redknap had three bad attacks of malariti ; Wroe developed a bad fever in Teheran which was tingnosed as enterio after a delay of three weeks; also, we had frequently to stay for days at a time in many places, to obtain interesting suljects for the film. Right
through France and Italy and up to the JugoSlav border the going was good; from there onward through Croatia, Slavonin, Serbia, Bulgaria and Turkey in Europe it was terrible.

These countries had been in a continual state of war since 1911, and from that time they have had no money available for road-building, as every penny has been spent in ropairing their railways and ruined buildings. What were once fine metaller highways had been worn to nothing and evon the foundations had disappeared in most of them.

A King's Interest.
Between Belgrade and Constantinople we came across forty broken bridges over rivers and streams, which added greatly to our difficulties. For miles and miles on either side of each frontier we crossed in the Balkans, grass grew feet high on the disused roads, making it almost impossible to see the remains of the highway.

Whilst in Sofia, we were reoeived by King Boris, of Bulgaria. He is a keen motorist, an all-round sportsman, and as popular with the Bulgarians as our own Prince is with us.

He took a great interest in the car and our expedition, and supplied us with useful information on road conditions in the Balkans. In Asia Minor a road exists which was built by Alexander the Great, but it appeared to us that no effort had been made to repair it since he built it.

As we followet this road, it diseppeared for miles at a time and its condition may be imagined by the fact that onr averace speed was only $2 \frac{1}{2}$ miles per hour, for the whole of the twentyeight days we took to cross this country.

From Aleppo to Damascus there is a caravan track which in the dry season is good. From thence to Bagdad the way lay across the great Syrian desert, a distance of 542 miles, with only one well the whole way, and where one
cannol see a solitary blade of grass. Before leaving Damascus, we visited the ruins of Baalbek, the Heliopolis of the Ancients, which is situated in the fertile hills of Lebanon.

In Bagdad we moved sixty miles awiy to the ruins of Babylon, the scene of the fornure greatness of Hamuzabbi and Nebuchadnezzar.

PLotography Under Diffisulties,
We ulso visited the ruins of Ctesiphon, the Palace of the Parthian Kings, where the wonderful Arch of Chrosoes-still exists in a yood state of preservation. It was here that General Townshend, with his depleted and discaseridden Division, fought a great Wattle against a Fresh and reinforced Turkish Army before retiring on Kut-el-Amara.

From Bagdad to the Pessian Frontier at Khanikin was still desert track; but from thenec to Teheran, the capital of Perain, were six hundred miles of excellent metal mod, passing through Kermanshah, Hamadan, and Kasvin.

Hamadan is the ancient city of Eckbatana, where Xerxes brilt his famous seven-walled Palace, and the ruins of this can still be seen. In Teheran we were privileged to see the wonderful Peacook Throne which was taken by the Persians at the sack of Delhi. It is built of solid gold, and set with precious stones, which are reputed to be worth seven million pounds. Here we were obliged to do all eur photography under a strong escort, on account of the fact that a few weeks before our arrival, Major Imbrie, the American Consul, was murdered by the mob, whilst taking photographs at a sacred foustain.

Two Thousand Miles of Desert.
From here onwand for the last 2,000 milcs we travelled alternately across desert, salt desert, and almost impassable mountain ranges.

When near Shiraz, we passed the wonderfal ruin of Persepolis, which the all-conquering Alexander destroyed by fire at the instigation of Thais.
The last 900 miles of our journey were heartbreaking, sand being our continual bugbear. The extent of this trouble may be better realized by the fact that on one oecasion when we corered a distance of six hundred yards, our speedometer registered 61 priles.
We covered a total distance of 8,597 miles, 3,000 miles of which were entirely void of roads ; 2,500 miles were absolute desert: 300 miles salt desert; 100 niles bottomleas silver sand, and we humped for 250 miles over the railway. Heepers.

Our totat bill for spare parts was under three pounds, two pairs of brake-lining, ne rubberfabric dise for the umiversal joint, and three spring leaves being alt that was nsed. We used only two sels of tyres on the whole jommey. and hadonly two puretures. The greatest lepson of the whole trip is the fact thut with mod. erale expenditure motor transport on a commercial basis cotild be mada practicable in a ferw years, and wauld open to the British minnufacturers a market,
the manivitode of whivels the magnitode of whiels
is beyoud imagination.

Major Forbes Leith in the car which made the adventurous journey to India.


## Awaken your receiver to vigorous, tuneful life!

G
IVE to your home the added pleasure of the perfect radio reproducer-the "Sparta." The voice that makes your receiver a living thing-faithfully re-creating the performance exactly as it is given before the microphone.

The "Sparta" is the Speaker of combined excellence-the supremely good combination of
good components, conceived by master designers, built by master craftsmen. Clear in tone and rich in volume it reproduces with vivid realism the delicate shadings and overtones of a melody, the subtle inflections of the voice-the personality of the artiste himself.

All good dealers stock the "Sparta." Ask for a demonstration and let your own ears prove how extraordinarily good its reproduction is.



## Dundee Programme. $2 \mathrm{DE} \quad 331 \mathrm{M}$.

Week Beginning Sunday, March 1st. SUNDAY, March 1st.
3.0-5.30.-Progranume S.B. from London: $8.30-9.0$. .-Service conducted by the Rev. JOHN MeCONNACHE, M.A., of St. John's U.F. Church. 9.0-10.30.-Progranme S.B. from London.

## MONDAY, March 2nd.

3.0 L.30.-Concert. Women's Topics.
5.15-6.0.-CHHDDREN'S CORNER.
6.40-6.35.-Mr. H Boyd Martin, Choirman of the Rast of Sootlond Beekecpers' Asso. ciation, "Beekeeping as a Hobby." 7.0-7.30.-Programine S.B. from London.

## 7,35-9.30. Seotish Programme.

THE ORCHESTRA.
Overture, "Tho Fair Maid of Peeth Volti (36)
Overture, "Robort Bruce "......Volti
Overture, "A Nicht Wi Burns i. Voalt (36) HENRY HOLLINGSWORTH (Solo Violin).
Scots selection.
KATE Y , HORSBURGH (Mezxo-Soprano).
"Comin' Thiod the Rye" ", TradiMarch of the Cameron Men ", tional - $\mathrm{Ca}^{\prime}$ the Yowes to the Knowes ") (36) Oid Hightand MelodiesAo Fond Kiss
. For the Sake of Somebody arr. Barret "For the Sake of Somebody" Jarr. Allan
". Alary of Argyle" EDITH CORMACK (Contralto). Caller Herrin

Gow (25)
"Yo Banks and Braes"
"John Anderson, My Jo ". .) Traditional
Come Under My Plaidie
"The Auld Hoase
Flora Macdonald's Lament". . Gone (25)
A. B, DUNEAN (Baritone).
'My Nante's Awa
Willie's Gone to Melville Castde ${ }^{2}$
"The Piper o' Dundee ${ }^{\text {M }}$
The Flowers of the Forent
Traditional

## (Original Air)

Touch Not the Netile
'Maegregor's Gathering
0.30-10.0.-Programme S.B. from London
$10.0-10.30$. 4 DANCE MUSIC.
One-stop, "Savoy Scoteh Medley ${ }^{" 4}(9)$;
Waltz
 a. Water Melon ${ }^{18}$ (6): Waltz, "A Ail Alane " $(7)$; Fox-trot. "Irene Night." (7); Eightsome Reel, "Tayside Melo(7) ; Eights

TUESDAY, March 3rd.
3.30-4.30.-Kinnairt Hall Pieture House Or. chestra.
5. 15-6.0.-Little Ones' Cornes.
6.40-6.55.-Mr. Clarson of Rossie on "Scouts." 7.0-11.0.- Programme S.B. from London.

## WEDNESDAY, March 4 th.

3.0-4.30,-Coneert. Women's Topies.
$5.15-6.0,-$ CHILDREN'S CORNER.
6.40-4.55.-Boys' Brigado Notes.
$6.40-4.55$.- Boys Brigado Notes:
$7.0-10.30$. - Programme $S . B$. from
7.0-10.30.-Programtas S.B. from London. $10.30-11.0$. -Programmie $B$. .B. from Qlasgow.

## THURSDAY, March 5 th.

3.30-4.30.-Kinnaird Hall Pietore Honse Or. ehestra.
$4.30-5.01$
$(6,0-6.30)$ Recital of New Gramophane Recordn. 6.0-6.30 1 $5.15-6.0$ - 'Teens' Corner.
0.40-11.0.-Programme S.B. from Glasgow.

FRIDAY, March 6th.
3.30-4.30.-Kinntird Hoil Picture House Or. chestra.
4.30-5.0.-Organ Recital.

5,15-6.0.-CHILDREN'S CORNER,
$6.20-6,55$,- Minitiry of Agriculture's Fort. nighty Bulletin. S.B. from I.ondon.
7.0-10.30.-Pragramme S.B. from Glangole (Station Direetor's Talk at 10.0.) SATURDAY, March 7th.
3.0-4.30.-Concert, Women's Topics.
5.15-6.0.-CHILDREN'S CORNER.
7.0-12.0.- Programme S.B. from Londor.

## Edinburgh Programme. 2EH $\quad 328 \mathrm{M}$.

Week Beginning Sunday, March 1st.
SUNDAY, March 1st.
3.0-5.30.-Programme S.R from Lonulon. $8.30 \cdot 9.0$.-Religious service conducted by the Rev. T. RATCLIFFE BARNETT, of Greenhank D.F. Charch, assisted by the Choir.
P.
8.0-10.30.-Prograinue S.B. from Londoin.

MONDAY, March 2nd.
3.0-4.0. -The Station Planoforte Trio
$5.0-6.0$ - CHILDREN'S CORNER.
7.0.- WEATHER FORECAST and NEWS
S.B. from Londons.

Tadio Asspeiation Talk. S.B. from Loridon:
Prof. J. E. G. DE MONTMORENCY. S.E.
from London. Local Nowe.

## An Evening of Variety.

" A SISTER TO ASRIST
Mrs, Millio May (A Monthly Nurse) JAX KING
Mrs, 36Mall (Her Landlady)
ARTHUR N゙ELSON
Scene ;. A Shibby Bed-Sitting room.
ST. STEPHEN 8 OHOHL:
Conchucted by DAVDD BAYNE.
DORA SW ANSON (Cont milto). GEORGE JOHNSTONF: (Folo Flute). The Chorus of Huntsmen ${ }^{\text {ts D Der Frei- }}$ schotz ${ }^{\text {" }}$ ) .................................. Weber
Pert Song, "When Allen-a-Dalo Went
8.10
10. Wiguon's Song ("Mignon M") ......... Thontas
$\int_{\text {" Seas Lullaby " }}{ }^{\text {" }}$ "
Ed. Gerwan
8.25. In Summer Time

Andante for Flute and Pianoforte in C Major, Oj . 86 ..............................Mosort Butterfly " Study, Op. 30 , No. $4 \ldots$ Kohler
8.35

Two-Part Song, "Drake's Dram " Coleridge-Taylor (2)
Port Song, "The Miller's Wooing
Dowa Swaison.
Co Not, Happy Day "
The Silver Ping 5 . The Enchantress ${ }^{\text {in }}$...................... Hatlon (1)
9.0. George Johnstone.
"Eittle Queen " "........... Benixud, ari. Elgar "Oriental Serentele" Op. 70......... Kohler
9.10. Part Seng . The Choir.

Part Seng. " There's Nae Lack Aboot the Honse : ...................err. (., Macplierson
Part Song, "Fays aud Rlves" ("Martha")
9.20. Dora Swanson.

The Boatman in
"Turn Ye to Me."
9.30.-WEATHER FORBCAST and NEWS. S.B. from London.

## Tonical Talk.

f. L. MARSHLALL: Station Topics.

Loml Nowe.
10.10 (approx.). The Choir.
"Bridal Clions") ("The Rove Maiden")
10.16

Ye Dowers that Swanson.
("Orpheus ") that Dwell Bolow"
10.22.

Ceorge fohnstone.
Mimuet in $G$
Wonds $\qquad$ .Recthoven
Somy Without Words . Spelnign
10.30.-Close down.

## TUESDAY, March 3rd.

11.30-12.30.-Gramophone Recorde.
3.0-4.0.-The Station Pianoforte Trio.
5.0-6.0. - CHILDREN'S CURNER.
$6.40-6.25,-$ Prof. Charles Sarolen, L.L.D., Hh.D., F.R.S.E. E eter Tho Position of the Fronch Woman in tho Fenily and the Staste",
7.0-11.0.-Programizic S.B. from London. (Contimued in cubtum 1. poger 475.)

## Hull Programme. $6 \mathrm{KH} \quad 335 \mathrm{M}$.

Week Beginning Sunday, March 1st.

## SUNDAY, March 1st.

$3.0-5.30$.
$8.15-10.30$.
MONDAY, Morch 2nd, and WEDNESDAY March 4th.
3.0-3.30., Musio rolayed from the Majestio 4.0-4.30. 1 Pieture Forre.
3.30-4.0.-WOMEN'S HALE-HOUR.
5.15-6.15.-CFII DRENS CORNFR.
6.40-6.55.-Boy Scouts' Tallk (Wednesday).
7.0-10.30.-Progrumme R.B. from London.

TUESDAY, March 3 rd, and THURSDAY, March 5th.
$3.0-3.30$ )
$4.0-4.30$.$) Grmmophone Records.$
$3.30-4.0$.-WOMEN'S HALF-HOUR.
5.15-6.15.-CHILDREN'S CORNER.
7.0-11.0.-Programimi S.E. from London.

FRIDAY, March 6th.
$3.0-3.30$.$) Masje relayed from the Majestio$ 4.0-4.30.) Pieture House.
3.30-1.0.-WOMEN'S HALF-HOUR.
5.15-6.15-CHILDRENS CORNER.
6.40-6.55.-Ministry of Agriculture's Fort nightly Bulletio S.B. from London.
70.-WEATHER FORECAST und NEW= S.B. from Iandon.

PERCY SCHOLES, S.B. from London.
Local News.
GERTRUDE EDGARD (Soprano).
POBERT EATOUGH (Baritone)
J. REDWOOD ANDERSON (Poetry THE GOOIE GLLEE SINGERS.
7.80.
 Bellini: Mary This Pleasunt Monn or May .... Beete
2.45.

7.55.
"The Post " Gertrude Edgard. Hark, Hark the Lark "..... . Schubert Ave Mario
8. 5.

Martyrs of the Arena :"
Aartyrs of the Arena " . ....... de Rille
Spring's Delights" .............. Muller
"The Little Church" ${ }^{\text {" }}$. ...... V. R. Becter
8.15. J. Redwood Anderaon.

Recital of his own Poems:
"April in Holderneas."
At Sunrise; A Village; Interior; Through My Windew: At Sunset.

Three Irish Poms.
Mary OBrien; Claro Istand; AchillLato Evening.

Three Japaneso Prints.
Three Oxfordshire Puems,
Moonriso: Winter Evening; Nocturne.
8. +0 . Pert Eonner,

Sou Chanties; Hoodah, Hoodah Day
8.55 Rohert Eatongh.
"Pretty Polly Oliver")
"Pretty Polly Oliver "" ) ........ Somarzell
The Centle Maiden "
9.5.

Where the Ben Sueks "".
Nymphs and Shepherds ".... Purchl (i)
0.15.

The Lie " (Quartet) ........P. Edmond
In Absence" (Part Song). Dudley Buck
"The Two Roses" (Ounrtet)...... Werner
"Lovely Night" (Part Song) .... Chiratal 8.30-10.30.- Progrummo S.E. from Londoil.
3.0-3.3h

SATURDAY, March 7th.
$4.0-4.30$.
Gramophone Recoris,
$3.30-1.0$-WOMEN'S HALF-HOUR.
$5.15-6.15-\mathrm{CH} 11 . \mathrm{DREN}$ 'S CORNER.
7.0.-WFATHER YORECAST and NEWS. S.B. from Lendon.

Rev. J. C. C. Cumming, M.A.: "Bees in Town" (Part 2). Local News.
7.30-12.0.- Programme S.B. from Londor.

## 200,000 Copies of No. 1 sold on day of publication!



## Leeds-Bradford Programme. <br> 2LS $\quad 346 \mathrm{M} . \quad 310 \mathrm{M}$.

Week Beginning Sunday, March 1st.
SUNDAY, March 1st.
3.0-8.30,-Programme S.B. from London, 8.15-9.0.-Service rolayed from the Cathedrat, Bradiond. Address by the Ven. This ARCHDEACON OF BRADEORD. 9.0-10.30.- Programine S.B. from Loidon.

MONDAY, March 2nd.
11.30-12.30.-Gramootione Recital by Moses Barity.
2. $45-3.45$. - The Station Trio.
5.15-6.15.-CHHIDHENS CORNER. 6. 15. - Maree Practice by I. Harvey, Engineorin.Charge.
6.10-6.55.-Scouts' Corner.
7.0-10.30.--Progriamme S.B. from Loidon.

TUESDAY, March 3rd.
11.30-12.30.-Gramophione Hocorde.
2.30-4.0.- Isane Frochnean's Orchestra, from 45 the Theatre Reyal Cincma, Bradiord. 4.45-5.15.-WOMEN S HALE.HOUR. 5.15-6.15.-CHILDRENIS CORNER.
th. $40-6.55$ - Kolin Robertson: Chat on Golf. 7.0-11.0.-Progravime S.B. Jrom Loidon.

## WEDNESDAY, March 4th.

11.30-12.30.-Gramophione Records.
$3.30-1.30$.- Signor Calimani and lisis Orchestra, relayed from thie Scally Theatre, Leeds. 5.15-6.15.-CHILDREN'S CORNER, 6.15-6.30.- Moree Practico by I. Harvey. $8.40-6.55,-" \mathrm{Ou}$ My Anvil," by the Smile-smith. 7.0-10.30.-Programme S.B. from Londol.

## THURSDAY, March 5th.

11.30-12.50.-Gramoptione Hecords.
$2.30-4.0$ - - saac Froedmun and his Orchestra: 4.45-5.15.- WOMENS HALE HOUR.
5.15-6.15.-CHILDREN'S CORNER.
7.0-11.0.- Programme S. B. from London.

FRIDAY, March 6th.
11.30-12.0-Gramopbone Records
3.30-4.0.-A Talk to Local Schiools.
4.0-5.0-Signor Calimeni and his Orchestras. 5.15-6.15.-CHILDREN'S CORNER.
6.15-6.30.- Morse Practice by L. Harvey. 6.40-7.30.- Programme S.B. from London.

BAND OF THE LEEEDS RIFLES BN. THE WEST YORKSHIRE REGT. (The Prince of Wales' Own).
(By kind permission of Col. C. H. Tetley,
D.S.O., T.D., anid Oflicors.)
harry burley (Bass): JOHN BIRCH (Dialeet Sketclies).
7.30. The Band.

March, "Flirtation " .............. Hall
Solection, W. H. Squive's Popular Songs", arr. J. Ord Hume (1)
7.18. Harry Burley.

Harlequin " ............. Sanderson (1) Myгти" ...................... Chutsom Mri. Thirtlewhinde on Wiveless:'
8.10. The Band.

Incidental Music to the Pley, "Monsieur Beatcaire " Jotin Bi...............Rosese
8.30.

Group of Wath Riding Dialeet Verses. Harry Burley.
The Deathless Army"......Trotere (1) Mona Machree" .................. Croke
s.13. The Band. Waltz, "Tho Grenadiers".... Wuldcoufel
Fox-trot, "/ Saliara". Horatio Nikhollo (9) 8.55. Harry Burley,

The Aong of tho Volga Boatmen
Chatiapine-Kocnonianи
Requiem
The Band.
0.5. A Dream Pieture, " The Phantom Brigade "
*Gaiety Echoes " ......arn. Dan Godffrcy Q.30-10.30--Programme S.E. Jroni London,

SATURDAY, March 7th.
11.30-12.30. - Gramophone Records.
2.45-3.45. -The 8tation Trio.
5.15 6.15.-CHILDREN'S CORNER.
2.0-12.0.- Programine S.B. from Loondon.

A. C. Cossor, Lid,, Highbary Grove, N.S.

Gathet $2 d .4 .45$.

## Liverpool Programme,

 6LV 315 M Week Beginning Sunday, March 1st. SUNDAY, March 1st.$\left.\begin{array}{l}3.0-5.30 \\ 8.15-10.30 .\end{array}\right\}$ Programmes S.B. from London. MONDAY, March 2nd.
11.0-12.0.-Mid-day Coneort
3.30-4.30.-Gailland and his Orehestra, relayed
from the Scala Sup $x$ Cinema.
$5.30-6.30$. - CHILDREN'S CORNER.
7.0-10.30. Programme S.A. from Lerdoll. TUESDAY, March 3rd.
4.0-5.0. The "State Brighter Liverpool Dance Band, relayed from the State Crifé.
5.30-6.30.-CHILDREN'S CORNER. 7.0-11.0.-Programme S.B. from London, WEDNESDAY, March 4th.
11.0-12.0.-Mid-day Concert.
3.30-4.30-Gramephone Leeture by Mesen Baritz.
$5.30-6.30$--CHIIDREN's CORNER. 7.0-10.30-Programme S.B. from London. THURSDAY, March 5th.
S.30-4.30.-Gaillard and his Orchestra. $5.30-6.30$ - $\mathrm{CHILDREN'S}$ CORNER. 7.0-11.0.-Propramme S.B. from Loridon. FRIDAY, March 6th.
3.15-9.45.-Transminaion to Sehoola 4.0-5.0. - The "State Brighter Liverpeol Band.
5.30-6.30.-CHILDREN'S CORNER.
0.40-7.30.-Programme S. B. from Loidon. Military Band Night. THE BAND OF
THE LIVERPOOL CITY POLICE, (By kind permission of the Watch Com mittee and the Chief Constable, Francis Catdwell, M.V.O., O.B.E.)
Under the Direction of CHARLES R. BICKS, Chief Inspector,

Bandrasatér.
NANCY TALBOT (Mezzo-Soprano). THE ABBEY MAFE VOICE QUARTET The Band.
Overture, "Morning, Noon and Night" SHppe Bollet Suite, "The Shoe" ....... Ansell The Sabot"; "The Court Shoo "; "The Ballet Shoe "; "The Sandal"; "The Brogue.
8.0. The Quartet.
"Mary …....... arr. Richardson (34) Massa's in de Cold, Cold Ground
8.10. The Bond.

Selection, "Less Cloches de Corneville" Planquelte (15)
Introduction to Act III., "Lohengrin
8.30, Nancy Talbot. Wagner
IDon't Seem to Want You ". . P. Rubena Philosophy" . . . . . . . ...... D. Enmelt Come to Town, Miss Brown Sterndale. Bemall
8.40. The Band

Seloction, "Litac Time ${ }^{4}$ "Schublert-CTulsam Chanson Triste," Op.)
42, No. $2 \ldots \ldots \ldots \ldots$
9.0. Niney Talbot
"You Can't Love as I Do ". . . P. Ruhiens
The Way That He Looked ", "Tom

"I Go My Way Singing"... Broville Simith
9.10. The Band.
${ }^{4}$ Three Dream Dances ${ }^{2}$. Coleridge-Taylor Duet for Two Piccolos, "Fluttering Bivin,"
(Constable A. V. HILL, and Police-Sergt.
9.30-10.0-Programme S.B. from London.
10.0. The Band.

Ballet Music, "Syivi4" ........ Delibet
Overture, "Oberen" .............. Ikeher
10.30.-Close down.

SATURDAY, March 7th.
3.0-4.0. - Organ Recital relayed from St. Georgo's Hall.
5. 30-6.30.-CHILDREN'S CORNER. 7.0-12.0.-Programme S.B. from Lovidon,


When bright filament valves cost $12 / 6$ the Silver Clear Louden was put on the market at $10 /$.

## In the last four monthsit has more than trebled its sales.

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## $\stackrel{\text { Louben }}{ } 86$ Valves



## Touden Halves - Silver Clear

[^0]
## Nottingham Programme,

 $5 N G \quad 322 \mathrm{M}$.Week Beginning Sunday, March 1st.
SUNDAY, March 1st.
$3.0-5.30$. Prognomares S.B. Fropit Loudon.

## 8. 15-10.30

## MONDAY, March 2nd

11.30-19.30.-Pianola Recitais
$3.30-4.30$. The Scala Pioture Theatre Orclies tris: Musical Director, Andrew James. 4.30 . 5.0 - WOMLEN'S TOPICS. 5. 15-6.0-CHILDREN'S CORNER.
4.0-6.15- -Teens Corner.
6.20-16.30.-Station Topics.
6.35-6.55,-Mr. O. A. Bentley, Mh.C., Mi.di-
cinal Plants and Their Ures (1).
7.0-10.30.-Proprapme S.B. from Lovidon-

TUESDAY, March 3rd.
11.30-12.30.- Mr. Moses Baritz on Nationat Murio : (Gramophone Illostrations). 3.30-4.30.-Lyons' Cefó Orchectra : Conductor. Brassey Evton.
4.30-5.0.-WOMFNS TOBICS
5.15 6.0.-CHHDREN'S CORNER,
6.20-6.35.- 'Teens' Corner.
6.35-6.55.-Prof, A. R. Kirkaldy, M. A., B.Latt..
M. Com., "The Fomance of Trade" (1). 7.0 11.0,-Programame S.B. from isidon.

## WEDNESDAY, March 4th.

11.30-12.30.- Crimophone Reeords of the weok. $3.30-3.30$ - Lyont Cate Orchestra. 4.30-5.0.-WOAMEN's TOIICS.
8. $15-6.0$-- CHIIDREN'S CORNER.
(5.20-6.35.-"Teens' Corner.
7.0-10.30.-Proyramme S.B. from Loi don.

## THURSDAY, March 5th

3.25-3.45.-Tranumission to Schools, Mr. S. F: BAYNES SMITH, B. Sco, Life In-idh a Bee-Hivo.
$3.45-5.15$, Concert onganized by the Matio Beprartment of tho Nottinghetn Univer. sity Collese.
5.15 6.0.- CHIEDRENS CORNER
6.5) 6.15 . - Scouts' Comer.
6. 20 -6.25-- Teens' Corner
0.10 11,0-Progrumuie S.B. from London.

FRIDAY, March 6th.
11.30-12.30.-Pianola Recital
$3.30-1.30$ - Lyons' Cafe Orchestra. $3.30-1.30$ - Lyons Cute Orchest
$4.30-5.0$. - WoMEN's TOPICs.
4.30-5.0-WOMENS TOP1CS.
5.15-6.0-CHILDREN'S COFNER.
16.20-6.35.- Teens' Comer.
6.40-7.30.-Pregramme S.B. from Liondon.

Choir Songs and Instrumental Music.
THE LADY BAY MALE VOICE CHOIR
Conductor: J. C. BELTON:
ETHEL KIDDIER (Soprano)
FREDERICK MOUNTNEY (Solo Violin). JOSEPH STANLEY WAGSTAFF (Solo Pianoforto)
7.30. Nalo Voico Choir
"Corarades in Armis" A. Adan,
The Sea Hath Its are, Ohellinor Pearls

Joseph Stanley Wagataff.

> (25)

Second Suite for Pianoforte. . Fork Buem Prelude : Intemezzo ; Barcarolle ; Finale A Romp

Ethel Kiddiner
Waltz song ("Tom Jones ") . Ed, Gcenan "Love's a Mewhant ".... Molly Careie "The Valley of Laughter" . .Sanderson (1) Froderick Mountney.
Sarabande.
Tambourin
Male Voice Choir
Musio All Powerfui ".... Whan ialey (11)
O, My Love's Like is Red, Red Rose
Cornwall (25)
"Feasting 1 Watch" ........EVgar (II)
Joseph Stanley Wagstaff.
Capriccio ....................... Bvahnes Study in Waltz Form . ........ Saint-Saens Ethel Kiddier
"The Love Pipes of Jume " M, Craske Day (Continaed in colamn 1, page 475.)

A BRITISH BATTLESHIP


Loud Speaking Telephone Apparatus manufactured by THE HOUSE OF GRAHAM is used throughout the British Nayy and adopted by many Foreign Governments, is also by leading Shipping Companies in all quarters of the Globe. With over thirty years pre-cminence in every field of Loud Speaker application, the utility, technical efficiency, and reliability of GRAHAM instruments are conclusively demonstrated.
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"Better Radio Reproduction." Obtainable from AMPLION STOCKISTS and Wirdesr Dealers everyateres

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## ON SALE



## Plymouth Programme.

 5PY $\quad 338 \mathrm{M}$.Week Beginning Sunday, March lst.
SUNDAY, Merch 1et.
30-5.30.-Programane S.R. frons London.
8.15-9.0. Popular Sunday Evening Service
relayed from the Guildhall.
Hymon, "Oh, What the Joy and the Glory Must Be" (A. and M., No, 235).
Hymn, "Jerusalem the Golden" (A. and M., No, 228).
Address: The Rev. G. B. HARDY, Iiear of St. Peter's Cluurch.
Hymn. "The Day Theu Gavest " (A. and M., No. 477).
Q.0-10.30.-Progranme S.B. from London

MONDAY, March 2nd, and WEDNESDAY, March th.
11.30-12.30.-Gramophone Records.
3.30-4.30.-Emest Manning and his Orelv atra, relayed from the Now Dallodium Cinema. Voealist : Dorothy Eincoln (Seprano). 5. $0-5.30$-WOMEN's TOPICS
5.30-6.30.-CHHDREN'S CORNER.
7.0-10.30.- Programme S, $B$. from Loudon.

TUESDAY, March 3rd.
3.30-4.30.- Fonest Manning and his Orchestra. 5.0-5.30.-WOMEN'S TOPICS.
5.30-6.30- CHILDREN'S CORNLER.
8.40-6.55.-Mr. Eric J. Patterson, ML A. (Cantab.) "Adult Educution in the South-West of Fingland" (5).
2.0-11.0.-Programane S.B. from L.ondon.

THURSDAY, March 5th, and SATURDAY, March 7th.
4.0-5.0.-Albert Fullbrook and his Trio, relayed from the Reval Hotel.
5.0-5.30.-WOMEN'S TOPICS.
5.30-6.30.-CHILDREN'S CORENER.
4.40-6.55.- The Rt. Hon. Lord ILKESTONE Scout Talk. S.B. from Birninigham. (Thursday.)
7.0 onwards.-Programane S.B. from London.

FRIDAY, March 6th.
3.30-4.0.-Talk to Sehools : Mr. J. H. THOMAS: "How China Clay is Produced." Musical Interlude. Ald. W. L. MUNDAY: "A Mystery of the Sea." s.0-5.0. - Albert Fullbrook and his Trio. 5.0-5.30-WOMEN'S TOPICS.
5.30-6.30.-CHILDREN'S CORNER.
8.40-6.55.-Ministry of Agriculture's Fort nightly Bulletin. S.B. from Londor,
7.0-WEATIAER FORECAST and NEWS S.B. from London.

PERCY SCHOLES, S.B. from London. Local News.

Young Plymouth Night.
Some Plymouth students of promise, in
their 'reens, make, their brondeast debut.
"To Fred Vealo (Solo Pianoforte). To the Well-Beloved ${ }^{11}$...........
Chris Clementa (Soprano). Love's a Merchant Deuyse Holdaway (Solo Violoncello) Careco Spring Song What (Fion Prank
2.45.
"The Son's of Maloney "... Pretrich A' Que Withan Andrews (Solo Violin)
Finale, Concerto No. 24 (Baritone).
"Devonahire Cream and Cider"
8.0.
"Drake's Drenzo Tucker (Reciter):
Drahe s Drum Nickerd (Contrulte. NeuZols Hida Rickard (Contralto).
"By the Waters of Minnetonka ${ }^{\text {" }}$ Thurtone Licurance Frances Taylor (Solo Pianoforte). Polonaise, Op. 26, No. 1 ........ Chopin
8.15. Hali-an-Hour's Interlude: "CASSIUS" on "Ambition?" THOMAS TREDINNICK (Baritone).
"May " To You "...................... 'Bctty Tredinnich (Accompanied by the Composer.)
Dr. SAMUEL WEEKES: "My Personal Pfecollections of Plymouth in the Late ${ }^{5}$ Forties ${ }^{3 \prime}$ (3). (Continuod in columan 2, page 475.)


This Loud Speaker is now supplied with a stand, as shown. There is, however, no increase in the price. The resistance is 2,000 ohms.
Finished outside in nigger-brown, with copper-plated terminals, the "TrueMusiC Minor ${ }^{\text {wh }}$ is one of the most pleasing and attractive on the market. The inside of the hom is of laequered copper, giving a bright, and cheery effeet-yet it does not need polishing.
Ask to see the "TrueMusiC Minor" Loud §peaker at your favourite Wireless Shop. Its performance will delight you.
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$$
\begin{array}{lllll}
\text { TrueMusiC Minor - } & \ldots & 1 & 0 \\
\text { TrueMusiC Junior - } & \ldots & 2 & 10 & 0 \\
\text { TrueMusiC Standard } & \ldots & 5 & 0 & 0 \\
\text { TrueMusiC Concert Grand. } & 6 & 10 & 0
\end{array}
$$

Rut it must bs T. M. C.


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Catalogue No. R/184 Retail £6 6s. (Marconi Licence 12/6).


## Sheffield Programme.

## 6FL $\quad 301 \mathrm{M}$

Week Beginning Sunday, March 1st.
SUNDAY, March 1st.
3,0-5.30.-Programme S.R. from London. 8.15-9.0.-Service relhyed from St. Paul's, Sheftield.
9.0-10.30.-Programune S.B. from London.

MONDAY, March 2nd, to THURSDAY, March 5tb.
1130.-Gramophone Recomb. 12.0. -Time Simal relayed from the Cathedral. 12.3-12.30.-Giramophone Records, 3.30-4.30.-Concert.
©.0-5.20.-WOMEN'S CORNER
5.30-6.30.-CHILDREN'S CORNER.
ti. $70-6,55$. - Station Director's Talk (Monday). 7.0 onwards,-Programme S.B. from London.

FRIDAY, March 6th.
11.30-12.30.-Gramophone Records.
12.0.- Time Signal, relayed from the Cathedral. 3.30-4.30.-Programme S.B. from Birmingham. 5.0-5.20.-WOMEN'S CORNER.
5.30-6.30.-CHILDREN'S CORNER. $6.40-\mathrm{G} .55 .-\mathrm{Mr}$. W. Percival Westell, F.I.S. "Wonderland Nature Talls-(3), The Sallow's Golden Bloom.'
7.0-7.30.-Programane S.B. from London. RISPAH GOODACRE (Contralto). IDA BLOOR (Soprano).
4 STANLEY JEPSON (Baritone). HAROLD JOLLEY (Tenor). MARION WEBSTER (Solo Violin). "STAINLESS STEPHEN."
7.30. Rispals Goodacre Leah's Song " P'The Prodigal Son ") Marion Webster.
Ballet Musie from "Rosanunde Schubert-Krcisler
Prelude and Allegro . . . . . Pugnani-Kireisler Harold Jolley.
"Fair House of Joy" "Sliepherd's Song" R. Quiller (1)
" Devorion"
"Devotion ........
Howard Fi....Eher "Dream Once Again ".....W. H. Squire (1) 3da, Bloom.
"Tha Nirhtingale". ............ Batten (1) Stanley Jepson and Ida Bloor " North and South" ${ }^{\text {. }}$.....Teresa del Rieqo stamloy Jepaon.
Negro Spiritual Songs ..atr. H. T. Burleigh 1 Cot a Robe"; "I Stood on de Ribber ob Jordan " ; "Go Down, Moses,"
Riryah Goodacre, Ida Bloor, Stanley Jepaon, Harold Jolley.
Song Cycle, " Nussery Rhymes" Arthur Hall Harold Jolley.
M. Meade (1)
"Jean" ............... L. 1.

Walker (11) "Stainless Stephen.
9.30-10.0.- Programine S.E. from London.
9.30-10.0.-Programune S.E. from
10.0.
"Come Not When 1 Am Dead
Holbrooke (5)
"Sllip of My Dreams"
Willinsou Stephenson (1) Wake Up" . .......... Montague Phillips Marion Webster.
Gypsy Melodies" .............. Saranate
Sonata in F Major . .................. Grieg Somata in F Alajor $\ldots \ldots \ldots \ldots \ldots \ldots$. Grieg
Sonata in $A$ Major $\ldots \ldots \ldots \ldots$ Bratms
"An Emblem" Ida Bloor.
" Glimper 11 ........Jack Thiompeon (5) " Little Fairy Shoes \% ........ Wilfred Jones Stanley Jepson.
"Tbe Song of the Volga Boatmen"
Koѐiemarn
"' The Great Adventure" . ........ Ftetcher "The Warwickshire Wooing ".......James 10.30.-Close down.

## SATURDAY, March 7th.

3.30-4.30.-Prognamine S.B. from Mancheoler. 5.0-5.20.-WOAHF'S CORNTIR $5.30-6.30$ - $\mathrm{CH} L$ DREN'S CORNER. 7.0-12.0.-Progrannes S.E. from Lordon.


MULLARD D.F.A. VALVES give increased volume and clarity from your loud speaker.
Just take out your last L.F. stage valve, and insert a Mullard D.F.A. You will be delighted with the immediate increase in pure volume.
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Leaflet V.A. 4 gives full technical information.


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chase of fins a centre section to contain both batteries and then base section containing special A.J.S. Lond Speaker. Used alone, the "Unitop" is a com. pact and attractive pieces of furniture and a lightly efficient Receiver, easily portable for outdoor functions. In Mahogany, or Light, Dark, or Wax-polighed Oak. Complete with all access. cries, ready for use, 30 Guineas. (Without accessories, $f 24$ to.)

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## Stoke - on - Trent Programme. 6ST 306 M .

Week Beginning Sunday, March 1st.
SUNDAY, March 1st.
3.05 .30.
8.15-10.30.) Programmes S.B. from London.

MONDAY, March 2nd, to WEDNESDAY,
March 4th, and SATURDAY, March 7th.
12.30-1.30.- Midday Concert (Tuesday).
3.30-4.30. The Majeatic Cinems Orchentra

Musical Director, Thomiss Beekett.
5.0-6.0.-CHILDREN'S CORNER.
6.20-6.55.-Instructions in the Morse Code
7.0 onwards.-Progranme S.B. from London.

THURSDAY, Merch 5th.
12:30-1.30.-Widdsy Concert.
3.30-4.30. - Gramophone Records of the Week $5.0-6.0$ - CHILDREN'S CORNER.
6.15-6.40.-Instructions in the Morse Code. 6.40-6.55.-Boy Scouts' end Boys' Brigado Monthly Bulletin.
7.0. 11.0.- Progranane S.B. froma Londuplo.

FRIDAY, March 6th.
3.0-3.20.-Tranamission to Echoots: Mr. PAPE, "Local History."
3.30-4.30. The Majestic Cinomn Orchostra. 5.0-6.0-CHILDREN'S CORNER.
6.40-6.55.- Minietry of Agriculture's Fortnightly Bulletin. S.B. from London.
7.0.-WEATHER FORECAST and NEWS S.B. from Londos.

PERCY SCHOLES, S.B. from London Local Nows

## Military Band Night.

THE BAND OF THE 6IST (NORTH MIDLAND) BRIGADE, ROYAL FIELD ARTILLERY
(By permission of Lt. Col. A. F. Nicholson and Officers,
Bundmaster: Mr. WILLIAM LAWTON GL.OVER.
ETHEL BALL (Contralto).

## ARTHUR MOLD (Tenor).

7.30. The Band.

March, "Now Colonial"...
Selection, "San Toyy"....
Ethel Ball.
7.50. Ethel Ball.

Sidney Joner
The Garden of Your Heart". Dorel (1) Where Corels Lie "…............ Elgar (1) "Yonder"...................... The Bend.
Selection, "Florodara"
8.20. Arthur Mold.
"Lorraine"
$\qquad$ .Stuart
"Because"
he Past
Sandersan (1)
解
S.30. W. HAMNEITT (Solo Cornet).
8.35. "Alice" ............................... Aseher

Waltz, "Gold and Silver" .........Lehar

### 8.55). Ethel Ball.

"Meadowsweet" ...... May H. Brahie (5)
Elegy "............................ Massenet 5. Iy Prayer The Band.

Selection, "Carmen ".......
20.
Arthur Mold.
Come Into the Garden, Maud "... Balfe "On With the Motley" ......... Leoncaxallo 9.30.- WEATHER FORECAST and NEWS: S.B. from London.

Dr. A. W. J. Mackadmen. S.B. from Loncion.
1.0. Local News. Ethet Bull
"Stumber, Dear Maid"
10.5. Stumber, Dear Maid"

Handel
Oriental Sketch, "In a Persing Market" 0.10. W. L. CILOVER, Jr. (Solo Piccolo) Kety $\therefore$ The Deep Bloe Ses "...............Bretber 10.15. For You Alone" Q.20. For You Atone The Band.

Selection, "Polly" ............ F. Austin (1) 10.30.-Close down.


## "Yoicks! Tally Ho! Straight to Earth!"

Brer Fox has a reputation for sagacity. He knew the importance of going "straight to earth" long before the spread of broadeasting gave the phrase a new meaning. The defects of the roundabout water-pipe of gas-pipe earth are daily becoming miore obvious. The overwheiming advantages of the short straght earth connection are now well kngwn. The cry of the countryside las become the slogan of the well-informed listener-in. "Yoicks ! Tally Ho ! Straight to Earth !" But it must be straight to a Cliniax Earth. Don't get drawn off the scent by offers of inferior imitations. Insist on secing the name Climax on the top of every genuine earth tube.
The CLIMAX COPPER EARTH is the best form of direet earth. It is ready for immediate use. The specially designed armonred point allows it to be easily driven into the ground. The perforited tube enables water to be easily introducod into the surrounding carth. It takes up little space and is not obtrusive. It is far better than the old-fashioned earth, with its ugly and inefficient wire traiting through the house, followed ly a bad joint on to a wandering waterpipe.

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Intermittent signals,
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## Swansea Programme. 5SX $\quad 485 \mathrm{M}$.

Week Beginning Sunday, March 1st. SUNDAY, March 1st.
3.0 5.30. . Progranmes S.B. from MONDAY, March 2nd.
3.0 1.0.- The Castlo Cinema Orchestra: Musical Dinector, Jack Amold. (Relayed from the Caste Cimema.) 5.0-5.15.-WOMENS TOPICS 5.15-6.0-CHILDRFN'S CORNER. 7.0-10.30--Programane S.B. from Lionden, TUESDAY, March 3rd.
3.0-4.0.-Gramophone Records 5.15-6.0.-CHILDREN'S CORNER.
7.0-8.0.- Pragramme S.B. fram Londair,
$8.0-9.30$. - Speechos relayed from the Cymme
9.30-11.0-Prograty's Dinner. Swansen.

## WEDNESDAY, March 4th.

3.0-4.0.-The Castle Cmema Omeseatr 5.0-5.15.-WOMEN'S TOPICS.
5.t5-6.0.-CHILDREN'S CORNER
7.0-10.30.-Programme S.B. Jrom Cardilf. THURSDAY, March 5th.
$3.0-4.0-\mathrm{T} . \mathrm{D}$. Jones trio.
8.15 6.0.-CHILDREN'S CORNEF.
7.0-11.0-Programme S. B. from Londom. FRIDAY, March 6th.
3.0-4.0.-The Castle Cinema Orchestra. 5.0 5.15.-WOMEN'S TOPICS.
6.15-6.0-CHDIDREN'S CORNER.
6.40-6.55.-Ministry of Agriculture's Fort nightly Bulletin. S.B. from Loudon.
7.0.-WEATHER FORECAST and NEWS
S.B. From London.

PERCY SCHOLES. S.B. from Fondon.
Local News.
A Light Musical Programme.
THE SWANSEA AMATEUR OPERATIE SOCIETY:
Musical Director, J. W. BARLOW
7.30. Operatic Society.
"Weat Country Lad" ("Tom Jones ") (Soloist, S. C. ASHTON.) German MAY DAVIES and JAMES JONES Deat beve of Jine " ("Nadeschda") froring Thomas (1) Operatic Society:
"Jegend of the Bolls " (" Les Cloches de Cornecille") ......... Plarquette (15) (Soloist, ISABEL, MORGAN) A. MARSDEN.

Joggin' Along the Highway." Simuel (1) VIOLET DEAKIN.
Diank To Me Only With Thine Eyes
8.5.-Prof ERNEST HLGHES: Talk on Welah History,
May Daviek.

Walty Song " ("Tom Jones ") Germane IAN STEART.
The Pitroch ${ }^{13}$. . . . . . . . . . . Stemfond (1) Linden Lea" .... Voughan Williams (1) Operatic Society.
Thime Us You Will Not Find Better' ("Clo hes do Corneville ") Planguelle (15) (Soloist, LILIAN MORGAN.) ARCHIE SIMPSON. Selected.
Operatic Society.
Yemmen of England ${ }^{10}$
Enghand
(Soloist, lan Stuart.)
O Pencefal England" ("Mecric Fing land ") ................................. (Soloist, MARGARETCLARKE.)
"Thongh Born of Man of High Degres ("Dorothy") .................. Cellier (Soloist, f. A. SIMPSON.)
May Davies, Jilian Morgan, Vivian Lleyd, and Arthur Marsden.
Quartet, "Xou Sweir to bo Good and True" ("Dorothy ") NoNES....... Cellier VIDA JONES
"Big Lady Moon" .... Coleridge-Taylor (1)
Openatio, Society.
"The Rajah of Bhong" ("A Country Girl ' ' 7 ..................... Monelton (Continued in column 2, page 475.)


## Dimple Cheeks!

THE kind of Headphones that children want are those that are light in weight, that fit closely to the ears, that have long cords to allow free movement, and, finally, that are really sensitive to the merest whisper.
But aren't these the chief qualifications of Headphones for grown-ups, too? If you have always felt that Headphones must necessarily be uncomfortable, heavy and clumsy, you have, probably, never tried Brotun Featherweights. Weighing only six ounces (incleding cords) they are a masterpiece of ingenuity. For sensitiveness and purity of tone they are unsurpassed-while it is well worth remembering that they are manufactured under the identical condition as the superb Brown Loud Speaker.

## 





[^1]
## nemi <br> 'askJohn Henry!

Dear almst-1 tound my supratoge 2-Vave Amplitior so successial as a note magnifier that 1 switched it on when 1 eame to pay Blossom buok the eighteen-and-bix she lent mo to buy another pair of * Supratone 'featherwoight headphones. I thonght it might have magnified that ten bob note I offered her. My mistake : Dlossom's got such a suspicious nature. Ah, well !

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Tils sujgitone "2 Vuve Amplifer compries a note magnifer fitted in a hand,
 The SUPRA transf niens cive disfortlanlese ampllicatich, and begative erfld blas and a modnating resistatice ensure ri b, fuat voue.
If your irgital re eher ulver onifnary strebgith of ree ejticu ca hediphones, the

 and wil increase thie reception to requhife strength, Inverpinted in the design of the "Supratohe" are new Irupravercents, asd modern quantity prodaction cnible yous to oht in this wouderful Amplis ar at such a moderate prine, Here ls a auquestion for a complete lostillation:-
in supatone Ampliber.

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## IMPORTANT ANNOUNCEMENT

h.t. BATTERIES.新

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Clarity of reception for Speech and Music.
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Back in 1909 the Admiralty adopted Ericsson British Telephones as Standard. In 1917, in the gruelling tests of war, the R.A.F. did the same.

W'rike to iday or upply to our agente for itherature ne our
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The British L.M. Ericsson Mig. Con, Ltd., $67 / 73$, KINGSWAY, LONDON, W.C.2,

5r-al


## Edinburgh Programme.

## WEDNESDAY, March 4 th .

2.30-3.30.- The Station Pianoforte Trio.
3.30.-Talk to Schools: Mr. J. C. SMITH. 3.30.-Talk to Schools: Mr. J. C. SMITHE,
C.B.E., M.A., " Great Storien of the C.B.E., M.A.
World.
$5.0-6.0$ - CHILDPREN'S CORNER
7.0-10.10. - Phogramme S.B. from Lowlion 10.10-10.15.-Mr. F.8. CHISHOLM on Horticutbure".
10.20-10.30.-Promauame S. B. from Loiulo $10.20-10.30$.- Proypuame
$10.30-12.0 .-$ THE ROMANX REYELLLERS from tho Druedin Patais de Danse

THURSDAY, March 5th.
11.30-12.30. -Gramophone Records. 3.0-4.0. The Station Planoforte Trio 5.0-6.0.- CHILDREN's CORNER. 6.25-6.55.-Programpre S.B. from Glasyoue 7.0-11.0.-Programme S.B. from Londor.

FRIDAY, March 6th.
2.20-3.30.-The Station Pianoforte Trio.
3.30.-Talk to Schools : Mr. JAMES PATER. SON, R.S.A., R.W.S., P.R.S.W., on "Art." (Speeial referenee will be made to Micbael Angelo, born March Bth, 1475.)
5.0-6.0.-CHILDRENIS CORNER.
6. $40-6.55$.-Ministry of Agricaltare's Fort nightly Bullotin. S.B. from London. 7.0-10.30.- Progrumime S.E. from Glargote.

## SATURDAY, March 7th.

3.0-4.0.-The Station Pianofocte Trio
5.0-6.0.-CHILDREN'S CORNER.
7.0-12.0.-Programine S.E. from London.

## Nottingham Programme. <br> (clontinued from puge 4t5.)

$\left.\begin{array}{l}\text { Sing Merrily } \\ \text { To-day "... Window ") Phillips }\end{array}\right\}$
To-tay Frederick Mountnoy
Revery
Male Voice Choir.
Strike, Strike the Lyre"...
F. A. Ohatlinar (25)
Jokeph Stanley Wagstaff.

Nocturne in E Minor, Op. 48 ....eVhapin Preludes, Nos. 3, 11, and 16J Frederick Mountney
Allegretto Boccherin: Canzonetta. D'4 Male Voice Choir The Crusaders
D. Prothero Far From My Heavenly Home" A. Page Song of the Jolly Roger ". . Caudish (2)
9.30.-WEATHER FOREOAST and NEWS. S.B. from Lomdon.

Dr, A. W. J. MscFADDEN. s.B. from Londor,
Local News
0.0. ${ }^{\text {. }}$ Summer " Rthel Kiddier

My Fairy C"L'Eté" I . . . Chumisude (15) The Pipes of Pan "........ C. Arwatate Frederick Mountney.
Lultavy . .............. A. Terin Broft (35)
Serenude. . . . . . . . . . . . . . . . . . . . . Drdla
Joeeph Stanley Wagatali,
Grotesque March
Pepular Time
Joyous Rondo
Ruatle of Spring"
The Beleaguered "...... Sullicarn (25) A Hymn of the Homeland

Sultivan (25)
The Long Day Closes ". ...Sulliven (11) 10.30.-Closo dowr.

SATURDAY, March 7th.
3.15-4.15. -Scala Pieture Theatro Orchestra. 5.0-6.0. - CHILDREN'S CORNER. 6.10-6.20.-Mr. J. A. Calvert, "My Ideal
6.35-6.45.-Mr. Frank Heald ("John o' Trent'), "Outdoor Topies."
7.0-12.0. - Progranmic S.B. from Lo.dait.

## Plymouth Programme.

8.45. Margery Moore (Solo Pianoforts) Pley of the Waters

Gladys Stone (Somrino)
The Enchanted Forest" MOnkrgue PhilRim
Joan Treweeke (Solo Violoncello)
Vocturne, $\mathrm{O}_{\mathrm{p}}=43$, No, 3 ....... Cinltermam
Mny Ankiand (Rer
The Unfortumate Child
..... Anex
Edne Stitson (Solo Pianotorte)
Love Drean
Iris Squire (Soprano).
I Know a Lovoly Gardon " . D'Hawde
Thore Reiss-Smith (Solo Violin). Huogarian Dence …..... Brahturd Dello Doris Grest (Contralto)
Linden Lea" ............... Fillimmen (1) Marjorio Fewens (Mezzo Sopramo). Antumn Evening ".... Srmmet Wekke Lucy Furnivalt (Solo Pianoforte)

Sils. from London.
17r. A. W. J. MacFADDEN.
50.0. FRED PUTT and JOE BETX (Suter

Half-andtour's Riot of Fum
10.30.-Close down.

## Swansea Programme.

(Soloista, S. G. Ashton and Violet Deakin.) Yo Ho, Little Girls " ("A Conntry Girl") Mrowhtor
(Soloist, R. A. Simpwow.)
PHYLLIS JOHN AND W, C. CROOK. Falf-past Two" ("The Arcadians"
Toabel Morgan, Phyllis John, A. Denby and Wilfred Harrier.
Quartet, "The Joy of Life" ("Thie As cadians"), Monekfon mind Tallo
9.30. WEATHER FORECAST and NETVS S.B. from Lonidon.

Dr. A. W. J. MacFADDEN, S,B. from Lundon. Local News.
10.0. Operatic Society

Ho, Fo , Diddle Dun
The Ruhel Maid") ....
(Soloist, MAURICE CLARKE.)
One Fine Day

> May Davied.

Non Pill Andrai
Operatic Society.

Rale, Poly San ") (.) The Geichan theme (Soloiet, Lilian Morgan.)

Phyllis John
Ma Curly-Headed Bubby"
The Pishermen of England
Rethel Maid
Paceto
(Soloiat, I.
10.30. Close down.

SATURDAY, March 7th.
3.0-1.0. The Cautle Cinema Orchestra
5.15-1i.0.- CHILDREN'S CORNER.
7.0. 12.0. - Pcogramme S. B. from Cordiff:

## Of Intereat to Every Mother. <br> BRINGING UP THE <br> ROYAL BABIES

At Home With Princess Mary: An Exclusive Description of Life in the Royal Nursery, by a Lady attached to the Court. SEE
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Whitu aill recommending the Stanlard Mode! ULNKRNas thn simpleat and the yont relable introduce par new ULINKIN JUNIOR which at 126 . is the cheapest hame clariee so the market, yet is ruaronied to perform the wink Es efficimely
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SIMPLE TO FIX AND USE, Saves its cont within a fow Pluatrated Pametiet and ful earticulars best fre on mqnersCRAN COLDMANSERYICEC. 71, Fleet St., Lendos, EC


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# More about High Tension Batteries 

By Frank Phillips, M.I.R.E., A.M.I.E.E., Chief Engineer of Burndept Ltd.

IN the early autumn of last year, I was privileged to introduce to the public, a new high tension battery which I called the Burndept Super Radio Battery. I then said that High Tension Batteries gave more trouble in our sets than any other component, the reason being that the cells inside the average H.T. Batlery were too small for present-day needs; most were designed during the war when light weight was more important than long life, and are not suitable for modern three- or four-valve broadcast sets, which are often used regularly for four or five hours a day. I made up my mind that my Company should sell one kind of H.T. Battery only, and that it must be so large and so well made that it would last for six months or so.

Well, it seems that I was right; not only was the demand for the Burndept Super Radio Battery so unprecedented that we were unable to provide sufficient supplies, but others have done me the honour to follow my lead in providing large cell batteries! However, the Burndept Super Radio Battery was first in the field, and it will not be left behind: I will be quite frank in admitting that a small percentage of the batteries did not last as long as I had hoped, due partly to new types of valves drawing heavier currents from the battery than I had expected, and partly to the enormous demand occasioning slight defects in perhaps a single cell, thus spoiling a whole battery.

Various improvements are now being made, all of which lead to the production of a still better battery, having a still longer life. For instance, the zinc containers of each cell used to be made with a soldered seam, and a soldered bottom ; solder and zinc set up local action in the cell and so all joints were covered with ozokerite; that was excellent but it reduced the area of zinc so wc have arranged to use seamless drawn zinc conlainers which should add another 25 per cent. or 30 per cent. to the life of the battery. Further, pin holes will be impossible and so each cell will remain completely water-tight and thus obviate internal leakage.

The Super Radio Battery is now so well-known that only a short description is necessary. The case is of very stout
and strong composition covered with special polished mahogany finished coating, with a lid to match. The weight is $12 \frac{1}{2} \mathrm{lbs}$. and over all size $9 \frac{1}{4} \times 9 \frac{9}{4} \times 3$ inches, and there is no external printing or marking. On removing the lid, the top of the battery is seen to be covered with a new hard insulating compound, dull red in appearance, perfectly smooth, practically unbreakable. Rising from this surface are five very strong brass contacts which are clearly marked - and $20,45,48$, and 50 volts. The battery is intended to be used normally to give 45 volts, which is the proper operating voltage for all High Frequency and Detector Valves of the popular dull emitter type ; it is intended that, as the battery ages and the voltage drops, it may be kept up to the full 45 volts by moving the connection successively to the 48 and 50 volt positions: in this way the battery will retain its full rated voltage of 45 volts until the very end of its life. When higher voltages are required for Power Valves, two or more batteries should be joined in series.
On account of the improvements made and the experience we have gained, it is safe to say that the Burndept Super Radio Battery
will operate a four-valve set four
hours a day for a good six months,
provided proper grid bias is used on the power valves: the estimate is quite conservative and should be largely exceeded, especially with smaller sets.
Supplies are now ample and orders can be executed from stock.


Purchase Burndept by its name-substitutes are not the same.

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Tideykene: Gerrard 9072 Teligrainn: Bomdept, Wint rand, Landou.
 A wonderfully popular 3 -valve Sct, which, as its iname imples, is capable
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THE PURIFLEX SET. Originalfy designed for "Modern. Wimess" by Me. Perey Harris, Ves a Crystal Kenex cricuit with a two stages of resistance coupled low.
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THE ALL CONCERT-DE-LDXE. A most handsone Receiver with al futiness ruppled nieliel-phated. Simple switches cuable note magnifier yalv
veinit cut out if not rectuired. Has being cut out if not requited. Hac at selephone range of 800 to 1,000 miletery connections it rear, and plags tery connections at rear, and plag sfeaker fitted to panel.


Every Wireless enthutiast peedr a wavemeter, It telle him the wavelength of the station he is receiving,
On the other hand should fie want to On the other hand should he want to recetve a stathonaring on a known Wavelength he carteagdy tume his Sct to that wavelensth by meatis of the battery and Silvertown flozer mily batery and shore. foume nily calibrated ready for use. To mahozaoy or oals cabinet \& 315

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THE ANGLO-AMERICAN SIX.
"The Wireless Constractor" latest Set emtoadying thren stages of neutrodyaed high: frequancy. Gives practically the power of a super-aeterodyne with a sreat saving in pteture moulding of a rocion is all thit f uterssary to operate this Sot.

## Amateur-built Receivers that any Expert would be proud to own.

If you can use a pair of pliers to cut a length of wire - if you can screw a transformer to a ready-drilled panel-if you can follow a simple wiring diagram, then you can build any of the splendid Sets illustrated on this page. From the 2 -valve Resistoflex to the 6 -valve Anglo-American designed by Mr. Percy Harris for "The Wireless Constructor," they represent all that is best and most original in British Radio design to-day. Every one of these Pilot Receivers carries our full guarantee that if made according to our working instructions they will work perfectly. Indeed, we go further than that
-we have inslituted a special Service Department to ferret out faults for you at a nominal cost should the Set not work when you have made it up.
Choose the best Set you can afford from the chart herewith if you have some of the parts already, we shall be pleased to supply you with the balance. If you have all the parts already, we shall be equally pleased to supply you with only the panel or the cabinet. If you cannot make up your mind which Set you will build, write for a copy of our 32 -page Pilot Chart (post free 3 d .). containing upwards of 30 illustrations of Pilot Reccivers with the fullest details.

## This abridged Chart will aid you in your choice.

| Nitate of Resiver: | So, of Falves | Fraxe of Culict drilled and cagcaynd. | kiltout Somppiatits. | Gak Cabiut with basoberach |
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| S.I 100 | 2 | 70 | 4140 | 110 |
| Puriflox | 3 | 15.6 | 4.20 | 17 |
| Alteritaia. | 4 | 15.6 | 4101 | $17{ }^{17} 0$ |
| 4 Vatue Rauilly | 4 | 17.0 | 5168 | 170 |
| Transitlatic V | 5 | 18.6 | 58.5 | 170 |
| Anglo-Ameticat 0 | 6 | 185 |  | 31 |
| Tansathante 7 | 1 | 16. | 5138 | 17 |
| a. Yalve Scutodytic | 1 | 12. | 4.8 | 113 |
| 4 Yalve Nementrodyue | - | 11.6 | 423 | (ta) tuke bath |
| Thaner panel) |  |  |  |  |
| EA.T. 4- Javeset | 1 | 10 | 5156 | 10 |
| Harris Wavchactor |  | 48 | 169 | 126 |
| 3 Valse Dat | 4 | 17.0 | 5.50 | 156 |
| Stupplity Recciver | 3 | 120 | 3160 | 10.6 |
| T-Vatur T.A.T. Recmiv | 7 | 1178 | 7180 | 1126 |

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THE S.T. 100.
The world's Standard z-valve, Relles which gives probably the loudest Fignals it is possible to obtain with S.I. 100 Reccivers have been built S.1. America, although the cireuit was
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