

THE OFFICIAL ORGAN OF THE B.B.C.

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

EVERY FRIDAY.

Two Pence.

OFFICIAL PROGRAMMES

THE BRITISH
BROAD CASTING
COMPANY.

For the week commencing SUNDAY, February 1st.

MAIN STATIONS.

LONDON, CARDIFF, ABERDEEN, GLAS-GOW, BIRMINGHAM, MANCHESTER, BOURNEMOUTH, NEWCASTLE, BELFAST

HIGH-POWER STATION.
(Chelmsford).

RELAY STATIONS.

SHEFFIELD, PLYMOUTH, EDINBURGH, LIVERPOOL, LEEDS — BRADFORD, HULL, NOTTINGHAM, STOKE-ON-TRENT, DUNDEE, SWANSEA

SPECIAL CONTENTS:

A FATHER LECTURES THE "UNCLES."
By S. R. Littlewood.

WIRELESS FOR THE BLIND.

By Captain Ian Fraser, C.B.E., M.P.

LONDON'S WIRELESS ORCHESTRA. By Rex F. Palmer.

OFFICIAL NEWS AND VIEWS.

LISTENERS' LETTERS.

CONTINENTAL BROADCASTING.

The Mystery of the Ether.

By Sir OLIVER LODGE.

[Sir Oliver Lodge is broadcasting from London a course of lectures on "Ether and Reality." These lectures are of remarkable general interest in that they challenge many popular and some scientific theories. "The Radio Times" has acquired the exclusive serial rights and will publish four of Sir Oliver's lectures in their broadcast form. The first appears below. Subsequently all seven lectures will be published as one of the volumes of Messrs. Hodder and Stoughton's "Broadcast Library."]

WHAT fills empty space? What is there between the worlds? Not air: the atmosphere soon stops, and beyond there seems nothing—nothing appreciable, only intense cold.

"The wind that blows between the worlds, it out him like a knife,"

says Rudyard Kipling, concerning one Tomlinson. Well, that is the ether; it is absolutely cold. We on the comfortable earth are five hundred Fahrenheit degrees warmer. Five hundred degrees hotter would be red-hot: five hundred degrees colder is the temperature of space.

Space is full, not of matter, but of ether. The ether is other than matter; and it fills all space in the most thorough manner: there is nothing so omnipresent and so efficient in the physical universe.

We employ the ether every day and every minute of our lives; it is the very breath of our material existence; but it escapes what are called our five senses, and so we usually know little about it. Some few even deny its existence. This is ungrateful and should be remedied.

The first thing to realize about the ether is its absolute continuity. Let me explain. Matter is discontinuous; it consists of portions with gaps between. You see this clearly enough in the stars; they are bodies separated by wide, empty spaces, they are not massed together. There must be a reason for this; the

reason is partly known, but is not easy: we will be satisfied with the fact that it is so.

Matter is full of discontinuity. The universe consists mostly of empty space: the portions of matter in space are all well separated from each other in proportion to their size. Fire an infinitely long-range projectile into the sky, and the chances are it will not hit anything. Lord Kelvin reckoned that the chance of hitting anything by such a projectile was about the same as the chance of hitting a bird if you fired a gun at random. That is one of the first things to realize about matter: there are great gaps between its particles.

You may say that is all very well for the sky and the stars and planets; but what about the earth? What about a piece of rock, or furniture, or any solid object? Do you mean to say that the particles of a body like that are widely separated, with great spaces between them in proportion to their size, and that a straight line might penetrate them deeply without encountering a particle?

Yes, I do: that is what I mean by the discontinuity of matter. It is discontinuous on a small scale as well as on a large scale. It does not appear so, but that is only because our senses are not fine enough to tell us about things on a small scale: we can only see things on a big scale.

A microscope is of some assistance, but nothing like sufficient: no microscope, however powerful, can show us an atom, still less can it show us how an atom is composed and how far apart its ultimate particles are: we know this otherwise and indirectly. It is, however, common knowledge, now, that matter is built up of minute electric charges, both negative and positive, which are called electrons and protons. It is also known that these electric units are so extremely minute that they are separated from

(Continued overleaf.)

The Mystery of the Ether.

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one another like the planets in the solar system: the greater part of the atom is empty space, just like the sky on a small scale. Or, more clearly, if we could take a solid body and magnify it sufficiently (which is impossible), we should see it something like the night sky.

Since the particles of matter are thus separated from each other and never in contact, it would seem to follow that they were all independent of each other, disconnected, nothing uniting them—the particles completely separated by empty space. If there were nothing existent but matter, that would be so; there would be no unification, no binding force, no family relationship, nothing but separate, independent particles: that is what would happen if Space were really empty, and the universe would not be a cosmos, but a chaos.

The Force Between the Stars.

We know better than that; we know that the stars are not independent of each other; they are bound together into systems: there is a unifying and connecting force between them which is called Gravitation, though it is not understood. Hence the space between them cannot be really empty; the interspaces must be filled up somehow: there must be something which is without gaps, something really continuous, something which combines the whole together, welding all the separate bodies into a cosmos.

The same thing is true inside any solid body: the separated particles cohere, they are not independent of each other; there is no chaos to be found anywhere. The solid has a definite size and shape; and if it is a crystal, its shape

There is evidently law and order reigning among the particles: however great the interstices between them, they must be full of something: space is not really empty, though it is empty of matter. Matter exists as separate particles, here one, there another. But the uniting "something" is not composed of particles at all; it is continuous: it unites the particles with a force which is known as Cohesion.

An Addition to the Elements.

What you choose to call this unifying "something" is of no consequence. The Ancients sometimes spoke of the "Ether," possibly as an addition to the usual four elements, and Sir Isaac Newton adopted this term for the officially connecting medium. The optical medium connects the particles together into a solid or a liquid, and the same medium connects the Heavenly Bodies together into systems and clusters and constellations and nebulæ and the Milky Way.

All pieces of matter and all particles are connected together by the other and by nothing else. In it they move freely, and of it they may be composed. We must study the kind of connection between matter and other.

An Unsolved Problem.

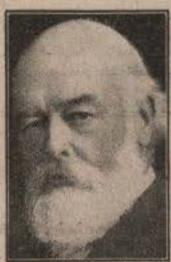
The particles embedded in the ether are not independent of it, they are closely connected with it, it is probable that they are formed out of it: they are not like grains of sand suspended in water; they seem more like minute crystals in a mother fiquor. The mode of connection between the particles and the ether is not known; it is earnestly being sought: but the fact that there is a connection has been known a long time. We know it, because a particle cannot quiver, or move, without disturbing the medium in which it is. A boat cannot oscillate on the surface of water without sending off waves or ripples; a bell cannot vibrate in air without sending out waves of sound; a particle cannot vibrate in ether without sending out waves of light.

So the second thing to learn about the other is its property of conveying light. It seems curious to call it a "second" property, because historically it was the first-the first discovered, and the first on which attempts were made at elaboration. The Physics of the early part of the nineteenth century was almost wholly occupied with it: the highest genius was devoted to the theory of ether waves, and the climax was reached by Clerk Maxwell. The whole of the immense Science of Optics is involved, and grew out of it; but as with everything else it is difficult completely to understand and to realize clearly what is happening; certain things can be stated with apparent simplicity, but the full explanation is not yet attained.

The first and most definite fact, on which there is complete agreement, is the rate at which ether waves travel, the thing ordinarily called "the velocity of light." This speed is the most fundamental and absolute thing in the physical universe, and it is evidently related to some

fundamental or constitutional velocity, the full meaning of which has still to be discovered. Meanwhile we can make elementary statements about what has been observed in connection with it.

The speed is measured by timing the interval required by light to travel a certain measured distance whether it be a distance measured on the earth or a greater distance measured in



SIF OLIVER LODGE.

the heavens. The results all agree; and there is no doubt that all ether waves, however else they differ, all travel at the same pace. The speed of light is not only the speed of that by which we see things, but it is the speed with which every disturbance travels in the ether of space.

Such disturbances may be the great waves (akin, as it were, to Atlantic rollers) which we employ in radio telegraphy; or they may be the small ripples which, when they break upon the shore of matter, excite heat; or they may be the minuter tremors which in enormous numbers enter the eye and operate the curious receiving mechanism there, so as to disturb the nerves and give us the sense of sight, or, by rearranging the chemicals on a glass plate or film, can reproduce the likeness of the objects which have emitted them; or they may be the still minuter tremors-small almost beyond imagination, and beyond the power of any microscope to utilize-fearfully rapid tremors or ether vibrations which can be excited electrically, in a form which we know as X-rays. But whether big or small, they all travel at the same pace, with a speed far beyond anything in our experience, a speed which it seems impossible even for the other to over-top.

Imagine a thread wrapped round the equator of the world, crossing all the continents and oceans and going right round the earth; stretch such a thread out into a straight line, that is the distance which light can travel in the seventh part of a second. To get the distance traversed by light in one second, the thread would have to be wrapped round the world seven times and then stretched out; such a thread would reach nearly to the moon.

The light of the moon takes a second and a quarter to reach the earth; from the sun it takes eight minutes; from the stars, even the bright stars, it takes years or even centuries; while some of the dim and distant objects revealed in a large telescope we see only as they were a hundred thousand years ago. So immense is the scale of the Universe!

All this is well and even popularly known; the difficulties do not lie here; they lie in determining the exact nature of the waves and the way in which they are produced. We have to work by analogies for the most part. As a vibrating bell or string or tuning fork excites waves in the air, so a vibrating electron excites waves in the ether. The processes are analogous, not identical, and if we tried to enter into more detail, we should get beyond our depth.

The Vehicle of Light.

Meanwhile, if ripples are travelling from distant objects, there must be something which is rippling. You cannot imagine space being thrown into vibration; there must be something in space which vibrates, and that "something" extends to the furthest visible object. This was our first idea of the ether of space: it is more than a century old, and the argument was as valid in 1825 as it is to-day. The ether was therefore called "the luminiferous ether," the light-carrier, the vehicle of light. Not of light only, but of every other link between the worlds and between the atoms; the vehicle of Gravitation, as Sir Isaac Newton suspected; the vehicle of Cohesion too, as we now know; the unifying and connecting mechanism which welds togother the disconnected atoms of matter and makes cosmos out of chaos.

However evasive the ether is to our senses, it is a great reality, and we already know some-

thing definite about it.

These waves that we are now using will get to the Antipodes, say, New Zealand, in the I-14th part of a second. How far will sound waves travel in the same time?—Sound in air takes five seconds to go a mile. Consequently, in the I-14th part of a second they go the I-76th part of a mile, which is 25 yards—that is, to the back of the hall in which I might be speaking.

Appalling Magnitudes.

Ether waves travel just about a million times as quickly as sound waves: consequently, if the waves are of the same length, the vibrations would be a million times as rapid. But the ether waves by which we see are not of the same length: sound waves are a few feet in length, whereas, a row of ten thousand light waves is only an inch long. Consequently, the rate of vibration which the eye perceives is 500 million million per second—a quite incredible number!

But in dealing with the Universe we must not be afraid of large numbers: the magnitudes we deal with are many of them appalling, some of them appalling for size, others for smallness, some for rapidity, others for unknown and mysterious properties. We have as yet but little acquaintance with the Universe; sometimes we seem to know a great deal, at other times we realize that we hardly know anything.

The Mystery Which Surrounds Us.

Meanwhile, we grope along as best we can, and he is wisest who denies least of the mystery which surrounds us and the possibilities ahead.

To assert, requires knowledge; to deny, requires much more knowledge. Let us be satisfied with positive knowledge, so far as it has been vonchsafed to us, and leave negations to the self-sufficing and the omniscient. We can deny the self-contradictory and the absurd, but in the unknown and the mysterious, denials have no legitimate place; our business is carefully and cautiously to ascertain what is. We are surrounded by infinity, and the wealth of existence is such as to justify a faith in our highest conceptions, a hope in the possibilities which lie before us, and a charity which enables us to do our daily work and to love our fellow-men.

Official News and Views. Gossip about Broadcasting.

Broadcasting Prince Henry.

THE Birmingham Station is helping the Royal National Lifeboat Institution to raise £10,000 in the Birmingham area for the purpose of equipping motor lifeboats. The speech of H.R.H. Prince Henry in the Town Hall at 2.30 on Tuesday, February 3rd, will be broadcast. Admiral Sir Doveton Sturdee's speech on Wednesday afternoon, and that of Princess Bibeseo on Thursday, will also be broadcast.

A Special Sunday Service.

A special Wireless Sunday Evening Service will be conducted in the Birmingham Studio, on February 1st, by the Rev. A. E. Forrest. This is the first service of its kind to be broadcast in this country. The Music and Reading will be given by members of the Staff and the Station Repertory Company. Special Lessons will be read by Mr. Edgar, and the Hymns and Music will include Byrd's "Kyrie" from Mass for five voices and Bach's "Passion Chorale." The Rev. A. E. Forrest, who, through his close association with the Birmingham Station from its early days of Witton, has become known as the Station Chaplain, and who is Secretary of the Station's Religious Committee, will give the Address. After the service, a short organ recital by Mr. Christopher Edmunds, Mus. Bac., will be given.

Manchester's Request Nights.

Continual requests from listeners for their favourite pieces have led the Manchester Station to devote certain evenings entirely to request items. Such an evening will be held on Friday, February 13th, when the "2ZY" Orchestra will interpret listeners' wishes with items as varied as the Finale from Mendelssohn's "Italian Symphony," and the Overture to Balfe's Bohemian Girl. Miss Grace Ivell and Miss Vivian Worth, the entertainers, will take part in this programme.

A Magic Trip Round the World.

A musical tour round the world is being arranged by the London Station for February 9th. Much time will be spent moving from country to country in Europe before the greater leaps from Africa to Arabia, on to India, Tibet and China are taken. The return will be made at 10 p.m., via the Americas.

Miss Emma Dhai, a Scottish soprano who has studied folk songs of different nations, will give the French, Dutch, Swiss, Italian and Malayan songs. Miss Kari Forfang, a soprano well known in the Scandinavian concert world, will sing the Norwegian, Danish, Swedish, Finnish and German songs; and Mr. F. H. Etcheverria, a baritone of Spanish extraction, will sing Spanish, Portuguese and South American songs.

Broadcast Comic Opera.

The Comic Opera, Les Cloches de Corneville (Planquette), will be broadcast, with libretto, from Bournemouth on February 9th. Included in the east are Mr. George Stone, Mr. Harold Stroud, Mr. Ernest Eady, Miss Marjorie Stone and Miss Gretta Don. The "6BM" Chorus and the Wireless Orchestra will also take part. The opera will be produced by Mr. W. R. Keene and Mr. George Stone, and will be conducted by Captain W. A. Featherstone.

An Irish Bagpipe Band.

Both an Irish and a Scottish Piper have appeared at the Belfast Station as soloists, but the Sir Henry Wilson Memorial Pipe Band, which won the All-Ireland Championship last year, will be the first bagpipe band to be broadcast in Ireland. They are to play on Saturday, February 14th, in a programme called "Novelty

Night," when the Station Orchestra will be heard only in music that has not hitherto been broadcast in Ireland.

A New Dickens Overture.

On Saturday, February 7th, the anniversary of the birth of Dickens, the Cardiff Station will provide a programme of music from Dickensian operas and songs of the period. A new overture, "Barnaby Rudge," composed by Mr. Warwick Braithwaite, the Cardiff Station Musical Director, will be performed for the first time. The Catterall Quartet is also giving a performance at the Cardiff Station on the same evening.

An effort is to be made to raise sufficient money to endow No. 48, Doughty Street, London, the house in which Dickens completed "Pickwick" and wrote "Oliver Twist" and "Nicholas Nickleby." The house was bought two years ago, and is now being put in order as a Dickens Museum, picture gallery, and a meeting-place for Dickensians.

The fund is being organized by the Dicken Fellowship, and the sum of £10,000 is required.

Birthday Celebrations at Cardiff.

Birthday celebrations will be the principal feature of the Cardiff Station programme on Friday, February 13th. Everyone connected with the station will be present in full force to make a jolly mesical evening. Mr. J. C. W. Reith will broadcast a message at 8.30 p.m.

Later Broadcasting.

During the period covered by this issue the following stations will be broadcasting until 11 p.m.: Manchester, January 30th; Newcastle, February 2nd; Glasgow, February 6th.

"Stars" at Chelmsford.

A "Star-Ballad" Concert will be given by "5XX" on Tuesday, February 10th. This programme will include the names of Miss Carmen Hill, the popular mezzo-soprano; the lyric tenor, Mr. Sydney Coltham; Mr. Angus Morrison, pianist, and John Henry. The Salisbury Singers will open and close the programme.

Philharmonic Society's Concert.

The Liverpool Station is again relaying the first part of the Philharmonie Society's concert on February 10th. Mr. Eugene Goossens will be the conductor, and the orchestral items to be relayed are, Overture, "Froissart," Elgar, and "Military Symphony," Haydn.

The latter part of the programme will include tenor sengs and pianoforte solos, and the evening will end with an hour's dance music by the "St. Louis Dance Band."

Cardiff's Symphony Concert.

On Saturday, February 14th, a Light Symphony Concert at the Cardiff Station will be simultaneously broadcast from the High-Power Station, "5XX." The music will include Beethoven's "Pastoral" Symphony, two entractes from Carmen, and the ever popular overture to the Merry Wives of Windsor. One of Elgar's compositions, the "Crown of India" Suite, will also be performed on this occasion. The vocalists will be Miss Astra Desmond and Mr. William Heseltine.

The Bells of St. Cuthbert's.

A complete religious service will be relayed from St. Cuthbert's Parish Church on the evening of Sunday, February 8th, when the preacher will be the Rev. James Black, D.D., of St. George's United Free Church, Edinburgh, Dr. Black is the successor to the Rev. Dr. John Kelman, the well-known divine who recently returned to London from the U.S.A. The service will be preceded by the bells of St.

Cuthbert's, and for this purpose a microphone will be installed in the tower.

Radio Education at Stoke.

Transmissions to schools are being started by the Stoke-on-Trent Station on Friday, February 13th. The first will be given by Mr. F. J. Stone, entitled "A Talk on Music to the Young Folk." This will be illustrated by the violin and pianoforte.

The Educational Advisory Committee, under the chairmanship of Mr. R. P. G. Williamson, is rendering valuable assistance to the station. It is hoped before long that most of the schools in the district will be in a position to take advantage of these weekly talks.

Holst's "The Planets."

The S.B. programme on Tuesday, February 10th, will consist mainly of band music played by the augmented "2LO" Military Band, conducted by Mr. Dan Godfrey. The most interesting of these items will be "Mars" and "Jupiter," from Holst's Symphonic Suite, "The Planets," and the Suite "Esquisses Caucasiennes" (Ippolitov-Ivanov), which has been broadcast before by the "2LO" Military Band.

Dr. Kendrick Pyne's Organ Recital.

The Organ Recital, from Manchester, by Dr. Kendrick Pyne, promised for Saturday, December 6th, which had to be cancelled owing to the Town Hall being required by the Civic Authorities, has now been fixed for Saturday, February 14th. Dr. Kendrick Pyne is giving the programme he originally chose, and in which is included Bach's Prelude and Fugue in A Minor, and Widor's Organ Symphony in F Minor.

A B.B.C. Rugby Team.

Mainly through the energies of Mr. Dan Godfrey, Junn., Conductor of the "2LO" Wireless Orchestra, the B.B.C. Headquarters and London Station Staffs have formed a Rugby Football XV. Mr. Dan Godfrey is an old Hull and East Riding and Richmond player. The first match will take place at Lower Sydenham to-morrow, Saturday, January 31st, at 2.30 p.m., when the team will play Britannie House "A." The B.B.C. Team will consist of : Back. P. Florence; Threequarter Backs: R. F. Palmer, A. G. Hibberd, R. B. S. Munn, C. A. Lewis: Half Backs: D. Hamilton, R. Blackwell; Forwards: D. Godfrey (Capt.), C. C. J. Frost, G. V. Rice, H. Bishop, J. G. Broadbent, A. G. D. West, W. J. Newson, A. G. Dryland

The ground is in Kangley Bridge Road, opposite Lower Sydenham Station, a convenient train from Cannon Street leaves at 1.40 p.m.

Wanted : A Sport's Ground.

The Sports Club of the Headquarters and London Station Staffs of the B.B.C. is experiencing much difficulty in securing a suitable Sports Ground, particularly with regard to Tennis Courts. Four to six courts are required, if possible, within a radius of three miles from Charing Cross, to be available for use every evening and week-ends. Information regarding possible grounds will be greatly welcomed by the B.B.C., 2, Savoy Hill, London, W.C.2.

A Distinguished Dutch Composer.

There will be a recital of Chamber Music broadcast from the Edinburgh Station on Friday, February 6th. Among the works to be played will be a pianoforte trio by Alex Voormolen, the distinguished Dutch composer. Mr. Voormolen, whose compositions are much influenced by the modern French School, was a pupil of Ravel. This is the first performance of the work in Scotland.

Wireless For The Blind.

Radio's Service to the Sightless. By Captain Ian Fraser, C.B.E., M.P.

|Captain Ian Fraser is well known in connection with his work for St. Dunstan's, and in the following article he describes the great benefits of wireless to those who have been unfortunate enough to lose their sight.

No inventor has unconsciously done more for blind people than Senatore Marconi. Indeed, with but one qualification, no inventor has done so much. The qualification is Louis Braille, who, so far as those blind from infancy are concerned, must come first, for by the system of reading which he invented, he made it possible for good education to be enjoyed by children deprived of the use of ordinary books. As a hobby, as a recreation, and, indeed, as a means of education, wireless, in my opinion, beats even Braille, for the adult, and more especially for the adult whose sight was taken away from him after his school life had come to an end.

An Unnatural Way of Reading.

With few exceptions, those upon whom blindness has descended in adult life do not become really proficient at Braille reading. It is not the natural way of reading to them. and they are not so easily taught a new and, to them, strange method, as are young children. Most of the two thousand soldiers who were blinded in the War read Braille, but few well enough really to enjoy a book after a hard day's work. I do not mean to minimise the importance of Braille. It is essential, as essential as type is, and to many who read it naturally, it is, doubtless, a great boon. Rather do I point out its limitations to emphasise what the development of broadcasting has meant to those blind people who have the means to enjoy it.

There are two directions which really matter in which a blind man feels the limitations of his handicap. One is in the matter of getting about alone, the other is in his inability to fill in odd moments in an interesting way. Until you are blind, which I hope you will never be, you will not realise how many periods there are, even in the busiest life, when you have to, or do, in fact, fill up time for a few minutes, or half an hour or so. How often of an evening, for example, do you spend a few minutes while, say, waiting for your wife or friends to come in, or go out with you, or play bridge, by glaneing

at a paper ?

Before Radio Came.

Before wireless brought in broadcasting there were, it is true, ways in which blind people would fill in these times, and many did so in a remarkable way. . A Braille magazine could be picked up, a gramophone could be played, a few could sit down at the piano. The majority, however, sat still and waited, and smoked, perhaps, and were bored almost certainly. Now, all that is unnecessary. All the evening there is something doing on the wireless. I wonder how many readers of The Radio Times find that wireless is their main hobby, although they, with their sight, can draw upon a hundred other pastimes? A majority, I should think. How much more, then, must wireless be to those whose avenues for the profitable employment of time are so limited ?

Making the Magic.

But broadcasting has done more for the blind even than this. To you who can see it is natural to do things for yourself, alone, without the necessary intervention of another person. To the blind man this is invariably difficult and sometimes impossible. The wise blind man will do all that he possibly can for himself; but he will generally find that for his amusements he requires, and must wait upon, the company of another. He could go to a play alone; but he would miss the information on the programme

as to the characters, seenes, etc. He could, and often does, go for a walk alone; but this must be regarded more as a sometimes necessary and always tiring method of getting from one place to another, and not as a pleasure. To listen is the one thing which in the very nature of things he can best do, and to tune-in presents no difficulties. I know scores of blinded soldiers, and some others, too, of an older generation, who not only tune-in themselves, but look after their apparatus, charge accumulators off the main, and, in fact, manage the whole thing themselves.

Psychologically, it is a great thing in a household where ordinarily the blind man is less capable of doing ordinary things than are the others, to have one line in which all are interested, in which he is pre-eminently the one who knows, and can make the magic.

Listening in the Theatre.

Now one word about wireless plays which those of us who cannot see can, probably, write about with special authority. Six years ago I was blinded in action in France. I went to plays when I left hospital, and enjoyed them. I still do. Very little explanation of the programme and scenery enables me to follow without difficulty. People always on the lookout for something which, being unusual, they could regard as wonderful, were surprised. They are not so surprised now, for thousands are learning that they can listen to, follow and enjoy a play without seeing anything.

The B.B.C. has one difficulty additional to that which I experienced at the theatre—namely, that all the voices they present to the listener come from the same place, relatively to his ears. It may be a loud speaker, or a headphone, but the voice is always in the same relative position with regard to the listener's ear, whereas, at the play, the stage is wide and deep, and it is possible to receive great assistance in following movement to utilise this direction-finding property of the human ears. I wish the B.B.C. all luck with their plays. If they apply imagination to the subject, and experiment enough, they will have great success, and will add enormously to the enjoyment of their listeners.

IN A GOOD CAUSE.

A CONCERT in aid of the Lord Mayor of Birmingham's Distress Fund will be given at the Town Hall, Birmingham, on Saturday, February 7th. The Birmingham Station is giving the whole of the programme for the special benefit of the Fund. The following artists will appear: Mdme. EmilyBroughton, Mdme. Alice Vaughan, Mr. Geoffrey Damms, Mr. Percy Edgar (Station Director), Mr. James Howell, Mr. Nigel Dallaaway, and Miss Marjorie Heyward. The Station Symphony Orchestra, conducted by Mr. Joseph Lewis, will take part in the programme, the whole of which will be relayed and broadcast from the Birmingham Station.

FRIDAY, February 6th, will be devoted at the Dundee Station to "The Drama." Mr. William Macready and Miss Edna Godfrey-Turner are giving three items, David Garrick, followed by a short interlude, Married Life.

GLASGOW Station will broadcast another "Clan" programme on Friday, February 13th. The Clan MacRae will be represented on this occasion. The programme centres round a short talk by Lt.-Col. MacRae-Gilstrap on the origin of the clan, and typical music will be provided by the Clan MacRae Society Pipe Band, interpolated with songs by Miss Phemie Marquis and Mr. Kenneth MacRae.

A Great Adventure.

The Voyage of the "Santa Maria."

On Tuesday, February 3rd, "Christopher Columbus," a play by Richard Hughes, dealing with an episode in the famous voyage of the "Santa Maria," will be broadcast from the High-Power Station. The following article describes the difficulties of Columbus's great adventure.)

NEVER, probably, was an enterprise launched with such difficulty as that which began on August 3rd, 1492, when Christopher Columbus set out to discover Easternmost Asia by sailing Westward. When exactly the idea of the voyage came to the Genoese seacaptain we do not know; but we do know that it was not a sudden flight of fancy; it was the solid outcome of work and dreams at sea, of porings over old family papers of his wife s, and of cool discussions with scientific geographers.

A Youthful Traveller.

When his idea became precise, he was still quite a young man, but he had voyaged from his boyhood, not only in the Mediterranean and in that part of the Ocean between the Azores and Africa where steady weather conditions prevail, but in the wild and fickle northern seas, possibly even to Iceland. The theory that he formed rested on "incorrect," but well-grounded notions which, marshalled, made up one of those "working hypotheses" by which our Western science has always advanced from one grand discovery to the next.

It was one thing to develop the theory with all its backing of speculation, calculation, and evidences, and it was quite another to get official or financial support, even in this period of the great discoveries. By 1480 the scheme was mature; a two years' voyage delayed its presentation to the King of Portugal till 1482; two years later, again, with his scheme rejected, Columbus had to flee. It was almost chance that led to his making the next offer to the Sovereigns of Spain, and it was at an unpropitious moment, for the Granada War was in full swing, and Ferdinand and Isabella were too pre-occupied to take up distant schemes.

His Royal Reward.

It was not until Granada was disposed of (in January, 1492) that negotiations with Ferdinand and Isabella came to a head, and not until mid-April that the Sovereigns conceded the reward that he asked for his enterprise—viceroyalty of what he should discover and admiralship over the new seas.

The scheme in definite form, and supported by exhaustive reasoning, had been before the courts of Portugal and Spain for ten years, and, after all (according to Robertson), "the sum employed on fitting out the squadron did not exceed £4,000." The "squadron" consisted of the little Sania Maria, of 100 tons, and two still smaller vessels, Pinta and Niña, commanded respectively by Columbus as Admiral and the brothers Pinzon (Martin Alonso and Vicente Yanez), merchant captains of Palos. With them were eighty-five men, some adventurers, some steady men, but a large proportion of ne'er-doweels.

Two Months of Drama.

It was on August 3rd that they set sail from Palos, and on October 12th that they made the historic landing at what is now called Watling Island in the Bahamas—two months of drama crowning ten years of work.

The main dimensions of the three historic

vessels may be of interest.

Length between perpendiculars ... 75ft, 5in. 65ft, 9in. 57ft, Maximum beam ... 22ft, 23ft, 10in. 18ft, 5in. Mean draught on service 9ft, 6in. 0ft, 4in. (?)

But it is not so much the smallness of the ships that strikes us nowadays—it is the greatness of the Man,

Listeners' Letters.

[All letters to the Editor to be acknowledged must bear the name and address of the sender. Anonymous contributions are not considered.]

Broadcasting Helps Theatre-Going.

Dear Sir.—In view of the present situation with regard to the broadcasting of plays, or parts of plays, from theatres, and the attitude of the provincial managers towards such broadcasting, I should like to mention that, when in London recently I met a friend from Newcastle, who was in town ostensibly on business, but who seemed to regard a visit to Patricia as of equal, if not greater importance, he having heard and enjoyed that play when it was recently broadcast.

Personally, I had not heard the wireless programme that particular evening, and I tried to induce my friend to accompany me to another "show," but in vain. He was determined to see Patricia.

Yours, etc.,

Cardiff. N. B.
[We have received a number of letters similar

to the above.]

Don't Blame the B.B.C. !

Dear Sir,—There has been a great amount of controversy in regard to the effect of wireless on the state of the weather, and many declare openly that the very wet weather that has prevailed lately is actually the outcome of the general use of wireless. I feel prompted to write and ask you your candid opinion on this matter, as I think a great many more people would go in for a set if they did not believe that by so doing they would add to the discomfiture of the public generally by encouraging broadcasting. I therefore suggest that you publicly declare the fallacy of such an idea.

Swanses. G. O. E. [This matter is settled definitely by considering how much energy is required to move a depression in the atmosphere even such a short distance as, say, fifty or one hundred miles.

To cause such a movement would take more thousands of times the amount of energy needed to propagate electric waves continuously from all the stations, high-powered, low-powered, broadcasting and amateur in this country.

As regards the possibility of any trigger action, that is to say, wireless waves upsetting an atmosphere tending to be unstable, this is quite impossible, as the atmosphere itself must remain in a more or less stable condition. It is an excellent suggestion that publicity should be given to this, as many people are inclined to blame broadcasting for all our weather troubles.]

" Pulling the Cat's Leg."

DEAR SIR,—Mr. Ronald Gourley recently gave a whistling number, "Birdie Hops." During that item my cat woke up and, climbing on to a chair and putting his feet on the table, poked his head as far as possible down the loud-speaker. At the conclusion he whined so much that he had to be let out of doors. What an unsolicited compliment from an animal to an artist's imitation. Fregret that I couldn't get a photo. Yours, etc.,

Norwich. L. C. W.

"There Shall Be No More Sea."

DEAR SIR,—The article by Mr. Walter Wood in your issue of January 2nd is headed "There Shall Be No More Sea." A beautiful poem on this subject appeared many years ago, and if it happens to be in the possession of any of your readers, I would feel obliged if I could have a copy. It is one of the loveliest poems I have ever read.

Yours, etc.,

(Continued overleaf in column 3.)

W. C. T.

Enniskillen, Ulster.

London's Wireless Orchestra.

By Rex F. Palmer. London Station Director.

"PLAYED by the London Wireless Orchestra" is, perhaps, the most frequent and familiar announcement to listeners everywhere. In this respect it comes second only to the Weather Forecast, and helps to dispel the "deep depressions" we so often hear about in the latter.

If those who are familiar with London orchestral music were to visit the studio when the orchestra is playing, they would recognize many old friends, for it should go without saying that the individual members of our orchestra are the best that can be procured in their own line.

It is not surprising that only the best men are good enough for the London Wireless Orchestra. Looking through any week's programmes, you will observe that the orchestra is called upon to play anything from a symphony to the latest fox-trot, and to accompany operatic arias or music-hall ditties, and these very often at sight. We certainly have rehearsals, and particularly for all big programmes, when the orchestra is augmented; but it is obviously impracticable to rehearse more than a small proportion of the musical programmes. Those who appreciate our symphony concerts must, therefore, bear in mind that the standard of performance has to be equally good when carrying out the less highly musical, but equally popular, part of our programmes.

A Large and Varied Programme.

This means first class musicianship in every department of the orchestra, and the necessity for able musicians with all-round ability was foreseen at the outset. From a trio to an octet the orchestra has developed through various stages to its present size and constitution. Our permanent orchestra of twenty-two players is adequate for most of our work, and forms a useful nucleus on which to build as occasion requires. With such a large and varied repertoire, we could certainly do with no less, and even now it is frequently necessary to add to this number to give adequate performances of the works included in our programmes.

Our principal players have been heard individually on "orchestral solo nights," and at other times.

Of our genial and versatile conductor, Mr. Dan Godfrey, Jun., I need only say that he has proved himself equal to all demands made upon him.

Mr. S. Kneale Kelley (Leader and Sub-Conductor), is one of the best-known orchestral players in London, and has done a great deal

of work for the B.B.C. since his appointment nearly two years ago. He is a member of the London Symphony and Royal Philharmonic Orchestras, and has played and conducted for the King and Queen on numerous occasions.

Of the remaining violinists Messrs. Rutledge, Tas, Sammons, Brunet and Wyatt, are also members of one or more of the big London orchestras, in addition to their other musical activities. Messrs, Quaife and Blakemore (Violas), and Messrs, Robinson and Nifosi ('Cellos), are also well known in their respective spheres,

A Brilliant Young Player.

Mr. Almgill (Flute) has been associated with operatic work in London for the last twenty years. Mr. Field (Oboe and Cor-Anglais) has toured with Sir Thomas Beecham in the London Symphony Orchestra,

Mr. Thurston (Principal Clarinet) is a brilliant young player of this instrument, for whom there should be a great future in store. Mr. Charles Draper (Second Clarinet), is known to musicians as one of the finest solo players of his time.

Mr. Hincheliff (Bassoon) is an old scholar and Associate of the Royal College of Music, and an original member of the London Symphony Orchestra. Mr. Dickie (Contra Bassoon) is one of the few exponents of this unique and difficult instrument, which we find more suitable for its purpose than the usual string double bass.

Mr. Probyn (Principal Horn) is also an Associate of the Royal College of Music, where he is now a Professor, and Mr. Hamilton (Second Horn), is an experienced and capable player.

Mr. Leggett (Trumpet) is widely known as one of the finest cornet and trumpet players that we have. Who has not heard some of the powerful solos by "Sergeant Leggett" on the gramophone? He is also a Professor of the Royal Military School of Music, Kneller Hall.

Mr. Taylor (Trombone) holds a similar appointment at Kneller Hall, and was for many years a member of the Scottish Orchestra.

Mr. Rushforth (Percussion) is one of the well-known players in this department and has had many years' experience of gramophone work. He is a Professor at the Guildhall School of Music,

Mr. Hook (Piano), who also plays the celesta parts which transmit so well, is orchestral librarian. He handles so many hundreds of musical parts in a week that he is said even to think in music.



The London Wireless Orchestra.

Pieces in the Programmes.

A Weekly Feature Conducted by Percy A. Scholes.

ELGAR'S "THE DREAM OF GERONTIUS."

(CHELMSFORD, THURSDAY.)

IN 1865 Cardinal Newman wrote this poem, inspired by his thoughts as he sat by the death-bed of a friend. It pictures the dream of a dying man, as he anticipates what lies beyond.

Elgar, himself of the same faith as Newman, long afterwards set this poem to music, and his setting had its first performance in 1900, at

the Birmingham Festival.

The best preparation for a first hearing of Gerontius is a reading of the poem itself. This is published by Messrs, Longmans, Green and Co. (39, Paternoster Row, E.C.4), in various editions, the cheapest costing one shilling.

In the First Part of the work we hear GERONTIUS (Tenor), THE PRIEST (Bass), and

ASSISTANTS (Chorus).

The music opens with a very beautiful Prelude, and then follows these solo and chorus passages:—

Genontius: Jesu, Maria—I am near to death.

Assistants: Kyrie Eleison.

Genorius: Rouse thee, my fainting soul.

Assistants: Be merciful, be gracious; spare
him, Lord.

Genorius: Sanctus fortis, Sanctus Dens.

Gerontius: I can no more,
Assistants: Rescue him, O Lord, in this his
evil hour.

GERONTIUS: Novissima hora est.

The Priest: Proficiscere, anima Christiana.

Assistants: Go, in the name of Angels and
Archangels.

In the Second Part we hear THE SOUL OF GERONTIUS (Tenor), GUARDIAN ANGEL (Mezzo-Soprano), THE ANGEL OF THE AGONY (Bass), and DEMONS, ANGELICALS, and Souls (Chorus). It opens with a brief Introduction, and then follow:—

Soul of Genontius: I went to sleep; and now I am refreshed.

ANGEL: My work is done, My task is o'er.
Dialogue, ANGEL AND SOUL: All hail, my child
and brother, hail !

Demons: Lowborn clods of brute earth.

Angel: It is the restless panting of their being.

Demons: The mind bold and independent.

Dialogue, Soul and Angel: I see not those false spirits.

Angelicals: Praise to the Holiest in the height.

Soul: The sound is like the rushing of the wind.

ANGELICALS: Glory to Him.

Angel: They sing of thy approaching agany.
Soul: But hark! a grand mysterious harmanu!

Angel: And now the threshold, as we traverse

ANGELICALS: Praise to the Holiest in the

Dialogue, ANGEL AND SOUL: Thy judgment now is near.

ANGEL OF THE AGONY: Jesu! by that shuddering dread which fell on Thee,

Voices on Earth: Be merciful, be gracious, spare him, Lord.

Angel: Praise to His Name.

Soul: Take me away.

Souls in Purgatory: Lord, Thou hast been

Angel: Softly and gently, dearly ransomed

Souls: Lord, Thou hast been our refuge, Angelicals: Praise to the Holiest.

It must not be understood that these Solos and Choruses are cut off from one another in the way usual in the older oratorios. Each

of the two parts in the work is continuous, and is bound into a whole by the use of leading motife.

PURCELL'S " KING ARTHUR."

(ABERDEEN, FRIDAY.)

PURCELL'S King Arh r, though called "An Opera," is hardly such in the general present day sense of the word. It is a play, with much incidental music.

The Libretto of King Arthur is by Dryden. The main theme is the struggle between the British under King Arthur, and the Saxon invaders, headed by King Oswald.

ACT I.

In the Saxon camp, voluntary human sacrifices are being offered to the Saxon gods. THREE PRIESTS (Bass, Tenor, Alto) are supported by a Chorus.

A Battle follows (behind the scenes) a "Military Symphony" being played meanwhile, after which Britons, being victorious, sing a Song of TRIUMPH (Tenor and Chorus).

ACT II.

SCENE I.—The Saxon magician Osmond plots to lead the Britons into pitfalls. After a brief Introduction, and an Air, played while Merlin (British enchanter) "descends in a chariot drawn by dragons," there follows a long scene in which Philipel, an Airy Spirit (Soprano), who has revolted from Osmond to Merlin, leads the Britons to safety, despite the efforts of Grimbald (Bass), an Earthy Spirit.

SCENE II.—Emmeline, the betrothed of King Arthur, is carried off by King Oswald, while entranced by the songs of Shepherds (Tenor, Two Sopranos and Chorus).

ACT III.

Osmond, in his turn, makes love to Emmeline. He shuts King Oswald in a dungeon, and tries to demonstrate to Emmeline the power of love, by an allegory—

CUPID (Soprano) summons a COLD GENIUS (Bass), who in turn summons his attendant spirits (CHORUS). Even the Spirits of Frost melt at Cupid's call! (The Cold Genius and the Chorus are both called upon to "shiver" with their voices when they first appear—a case of the rare legitimate use of excessive Vibrato!)

ACT IV.

King Arthur is cutting down Osmond's enchanted grove. All sorts of people try to hinder him. Two Strens (Sopranos) sing; then there are a Soprano Solo, a Soprano and Bass Duet, a Trio for Nymphs (1st and 2nd Sopranos and Altos), and another for Sylvans (Altos, Tenors and Basses), all interspersed with Dances and Choruses.

-ACT. V.

King Arthur defeats King Oswald in single combat. Emmeline is rescued, and Osmond imprisoned. Merlin then foreshows Britain's greatness in a sort of Grand Finale.

First, Aeolus (Bass), in a fine Solo, disperses the Winds. ("Symphony—the Winds fly off":

"Symphony—Britannia rises.")
Second, Nebell (Soprano) and Pan (Bass)

sing a Duet, answered by Chorus of Fishermen (some of whom have Soprano and Alto voices)
After a "Song of Three Parts" (Alto, Tenor and Bass), Venus (Soprano) sings the well-

known and beautiful song, Fairest Isle.
Then comes a long Dialogue between a

NYMPH (Soprano) and a SHEPHERD (Bass).

A TRUMPET TUNE leads to a Song of St.

George, sung by Honour (Soprano).

After an answering, massive Chorus, a
GRAND DANCE concludes.

Listeners' Letters.

(Continued from the previous page.)

Wireless and " Nerves."

DEAR SIB, -In Mr. Walter Wood's article in your paper entitled "There Shall Be No More Sea" he states that: "Wireless broadcasting has brought entertainment and enjoyment to many thousands, but, perhaps, to none is it a greater blessing than to the men who 'go down to the sea in ships." I note the word "-perhaps" or should have ventured to have contradicted the statement, for I feel sure there is another section of the community which has benefited by radio more than any body of men in the world, viz.: the "nervous breakdowns," of which body I unfortunately belong. I am glad to say, however, that after having fourteen months of this terrible affliction, I am nearly well again.

Since the installation of my wireless, the whole of my evenings with very few exceptions have been spent in listening and this, I am absolutely certain, has done more for my

recovery than anything else.

In my opinion, wireless is a greater blessing to the "nervous breakdowns" than to any other living souls and I only wish I could convey to all such unfortunate sufferers an idea of the benefit I have derived from it.

Yours, etc.,

H. 8.

A Plea for High-brow Music.

Dear Sir,—May I suggest that you might, as an experiment, have an occasional "high-brow" evening—described as such—at which really outstanding works should be given, i.e., works of the calibre of the Op. 130 Quartet of Beethoven and repealed the same evening after an interval for something of a lighter nature. To one like myself, as yet only in the neophyte stage as regards music, it would give a unique opportunity of really coming to grips with works which cannot be appreciated to the full at a first hearing.

During the last few years I have drifted into a pretty keen love of music. I started with an absolutely blank ignorance on the subject and have hammered things out for myself, chiefly with the aid of a pianola.

Yours, etc.,

Ealing.

P. S.

He Had Had Some!

DEAR SIR,—I was travelling on a Liverpool tram the other day, and exactly opposite to me sat a man and his wife. As the tram drew up at a stopping place, the couple apparently recognised a woman who was boarding the car, for the man turned to his wife, and with a bored expression on his face said: "In one minute you will receive the Local News."

The remark only became humorous to me when the woman who had just entered sat next to the couple, and began to gossip audibly.

Yours, etc.,

3

Liverpool.

2 ----

P. C.

A SELDOM-HEARD MUSICAL INSTRUMENT.

TWO solos on the Viole d'Amour were given from the Leeds-Bradford Station by Mr. Percy Frostick on January 12th in the course of a programme by the Station Trio, of which he is a member. This is probably the first occasion on which music played on this instrument has been broadcast. The Viole d Amour is an instrument which dates back to the early eighteenth century, and is rarely seen or heard nowadays. It is contemporary with the harpsichord and spinet, and therefore carries the mind back to the time of Gay, The Beggar's Opera, the minuet, and the gavotte. It was the forerumer of the violin, and is in fact very similar.

To Save St. Paul's!

A Plea for the Threatened Dome.

PENNY ahead from the whole population Would keep St. Paul's safe as the pride of the nation.

A shilling from all the more prosperous homes Would firmly support the most noble of domes. A pound from each person with so much to

Would hold up for over Wren's cross in the air. A fiver, or tonner, or larger donations

Represent quite a number of minor oblations. But everyone's help, great or small, is requested, "Give quickly, give twice," is the motto suggested.

The above lines, penned by one who is helping to save St. Paul's from destruction, express the urgent needs of Britain's most famous cathedral.

The sum urgently required for immediate repairs is £200,000, and it is gratifying that the broadcast appeals for subscriptions have materially assisted the Times fund.

It is not generally realized that the St. Paul's which we see to-day is the third cathedral which has been built upon the present site. The first cathedral, of which we have authentic record, says the Rev. Lewis Gilbertson, M.A., in his "St. Paul's Cathedral," was erected by Ethelbert, King of Kent, with the sanction of Sebert, King of the East Angles, whose territory London then was. This took place early in the seventh century, about the year 607 A.D.

Consumed by the Great Fire.

In the building of the second cathedral-now known as Old St. Paul's-a very great advance in magnificence was made. The Norman Conquerors had introduced into this country a knowledge of architecture along with other arts, and the cathedral was designed to stand within spacious precincts enclosed by walls.

Old St. Paul's fell into a ruinous condition and a lot of patching had to be done in order to keep it safe. Inigo Jones did much restoring during the time of Charles I., when the cathedral was

re-faced both inside and out.

It was not until the time of Charles II. that progress could be resumed. Then Christopher Wren was appointed Assistant Surveyor-General to the Merry Monarch, and was entrusted with the work of repairing the cathedral. He developed a thorough scheme of restoration which the Great Fire of London prevented from being carried out, for among the buildings consumed by the flames was Old St. Paul's.

The Laying of the First Stone.

Soon after the fire, Wren produced his plan not for restoring the cathedral, but for rebuilding it, and the first stone of the present cathedral was laid by Christopher Wren himself on June 21st, 1675. It was on December 2nd, 1607, some twenty-two years after the laying of the first stone, that the choir of St. Paul's was open for Divine Service, and from that time forward the services have gone on without

From that time the majesty of Wren's greatest work, with its magnificent dome, has thrilled the hearts of millions of his countrymen. It is unthinkable that the St. Paul's he created can be allowed to remain a dangerous building, and it must be saved by those who care anything for the glory of one of the greatest glories of Christendom,

In connection with the recent celebration of the bi-centenary of Sir Christopher Wren, the Royal Institute of British Architects, 9, Conduit Street, W.I, have published a memorial volume on Wren and his work (including St. Paul's Cathedral) written by contributors who are intimately acquainted with the subjects with which they deal. The profits of the sale are to be devoted to the St. Paul's Preservation Fund.

PEOPLE IN THE PROGRAMMES.

London's Latest Manager.



Mr. HARRY WELCHMAN.

THIS is Mr. Harry Welchman. Thousands have worshipped him as one of the nightly Daly stars. He dislikes publicity. He maintains that it has cheapened the stage, depriving it of its romance and glamour.

Nevertheless, it is inevitable that we should feature his features here.

For Mr. Welehman is not only London's latest manager. He is London's most go-ahead manager.

He has arranged for the broadcasting of Love's Prisoner at the Adelphi on its very first night-February 3rd.

A real pioneer, like so many Devonshire men. For Harry is not a Welshman. He was born in Barnstaple.

Apart from his work on the ordinary stage, Mr. Welchman has done a lot of acting for the films, and he believes that cinema acting is excellent training for the young actor.

A Charming Young Actress.



THE leading lady in Love's Prisoner is Miss Helen Gilliland, who is one of the most charming and promising of our younger actresses. Originally with the Gilbert and Sullivan operas, Miss Gilliland has also appeared successfully in Stop Flirting, Katinka, and A Cousin from Nowhere.

Miss HELEN GILLILAND

When not engaged at the theatre, she likes nothing better than a game of golf, and, in fact, to use her own words, she is "fond of all sports."

Art Under Difficulties.

THERE should be a special welcome for Mr. Edward Isaacs, one of our finest pianists, to whom we have often had occasion to refer in these columns before.

Mr. Isaacs has been absent from public work for a year, owing to a serious affection of the eyes.

Although his vision is still, unfortunately, very dim and weak, he is being allowed by the specialists to appear on the public platform for a strictly limited number of performances.

You should therefore make the most of your chance of hearing him interpret Beethoven on February 6th.

Her Royle Highness.



THE heading to this paragraph is not a printer's error. It refers to Miss Nancy Royle, the young mezzo-soprano who is to take part in the operetta, Kalouma, or An Arabian Morn. when it is broadcast from London on February 2nd.

She is, by the way, the only daughter of

the celebrated artist, the late William Strang, R.A., and studied under Madame Liza Lehmann at the Guildhall School of Music.

An All-Rounder.

THE libretto of Katouma has been written by Mr. Kingsley Lark, who will aurally be very much in evidence in a few days, for he is taking part in the Dickens Anniversary Programme at Cardiff on February 7th.

Born in Sydney, where the cricketers come from. Educated in England. Stockbroker. Musical comedy. Grand opera.



Mr. KINGSLEY LARK.

Music halls. Beerbohm Tree's company. Pantos. Poet. Author. Translater. Oarsman. Cricketer, Footballer, Golfer, That's Kingsley Lark.

Wood Instruments.



Mr. ARTHUR WOOD.

THE composer of the operette Katouma is Mr. Arthur Wood, who cooms fra' Yorkshire and has used many of the local tunes of his native county in his compositions.

Well known as the musical director of Daly's Theatre, he has conducted musical comedy for over twenty years in London -including My Lady Molly, Veronique, The Arcadians, The Gipsy Princess, The

Lady of the Rose, and Madame Pompadour. People often talk of the monotony of acting the same part for a year on end, but this is nothing compared with conducting the same music for the same period.

Yet Mr. Wood's zeal never flags. Even on the 500th night, the "Wood" instrumentalists are kept as strictly up to scratch as on the first.

A Famous British Conductor.

DR. ADRIAN C. BOULT, Conductor of the Birmingham City Orchestra, who will be speaking to school children on Musical Appreciation from the B'rmingham Studio on February 3rd, is one of the most famous of British conductors.

He has done fine work, particularly for the younger English school of composers, and has tehind him a long record of musical achievements. After leaving Christ Church, Oxford, where he studied music under Sir Hugh Allen, he spect some time in Germany, where he studied the methods of Nikisch.

He has conducted the London Symphony. Queen's Hall, and Albert Hall Orchestras, and during 1919 conducted a season of Rus Ballet at the Empire Theatre.

Through his work in concerts abroad, he is as well known in Vienna, Munich, and Barcelong, as he is to his admirers here.

Authorities.

ORD HAMPTON, giving a talk on February 5th. Lieut. Rifle Brigade, Major Worcestershire Yeomanry, and was born to command.

The Rt. Hon. Francis Dyke Acland, P.C., M.P., talking on February 6th. Ex-Cabinet Minister and expert on education, finance, foreign affairs, agriculture, forestry, and even fishing.

EXPERIMENTS in the reception of radio signals underground, for use in mine rescue work, have been successfully carried out at Pittsburg. U.S.A. A Government station in a cellar was used, and several British stations were received at loud-speaker strength.

WIRELESS PROGRAMME—SUNDAY (Feb. 1st.)

WINLELDS	INCOMMINIE	SONDAT (160. 181.)
The letters "5.8." printed in italies in these programmes signify a Simultaneous Broadcast from the station men-	10.15.—De Groot and the Piccadilly Orchestra	3.45. Lawrence Foster.
2LO LONDON. 365 M.	(Continued), Orchestra,	"Hark, Hark the Lark"}Schubert
3.0-5.0. THE BAND OF H.M. ROYAL AIR	"Kol Nidrei"	Symphony No. 2 Hayda
FORCE, (By permission of the Air Ministry.)	10.00.—Close down.	4.10. Gretta Don, A Short Song Recital.
Director of Music, Flight-Lient, J. AMERS, NELLIE WALKER (Contralto).	SIT BIRMINGHAM. 475 M.	"A Dainty Ribbon Can I Tie" (Old French)V. Dowlens, arr. Liza Lehmann
GLYN EASTMAN (Bass-Baritone), 8.B. to Newcastle and Glasgow.	5.0-5.0. A Tuneful Programme. THE STATION ORCHESTRA:	"If Thou Art Near" J. S. Bach "The Heart Worships". Gustav Holst (14)
Overture, "The Earl of Essex" Mercadante	Conducted by JOSEPH LEWIS. GERTRUDE DAVIES (Soprano).	"Holy, Holy, Lord God Almighty" Handel
Selection, "Coppélia"	BEATRICE DICKSON (Contraito). WALTER HERD (Solo Flute).	4.25. Orchestra. Incidental Music, "Rosamunde" Schubert
"A Memory" Goring Thomas (15) "It is Only a Tiny Garden" Haydn Wood	Overture, " Martha " Flotow	4.35. Lawrence Foster. "Where the Abana) 7
The Band.	Beatrice Dickson: " Tired Hands " Sanderson (1)	Flows" ("A
Suite, "Bal Costumé" Rubinstein (1) "Cosaque et Petite Russe"; "Polo-	" My Ain Folk " Lemon (1) Gertrude Davies.	Absence " Lover A. "How Many a Dim Woodforde-
nais et Polonaise"; "Toréador et An- dalouse"; "Royale Tambour et Vivandière."	"O Fair, and Sweet and Holy " Rubinstein (1)	Lonely Caravan' Damas- "Allah Be With cus"
Glyn Eastman.	Solveig's Song	Us"
"Now Heaven in Fullest Glory" ("The Creation")	Selection, "Othello" Verdi-Tavan Walter Herd.	Norwegian Dances
"The Lord is My Shepherd" Dvorak The Band.	"Valse du Printemps" ("Spring") Edward de Jong	5.0-5.30.—CHILDREN'S CORNER. S.B. from Birmingham.
"In the Cloisters"	Orchestra. Allegretto quasi Andantino Schubert	8.30. CHRISTCHURCH PRIORY CHOIR : Choirmaster, JOHN NEWTON.
(Soloist, Cpl. G. REGAN, D.C.M.)	Slow Movement and Finale from Symphony No. 5 in D Major	Hymn, A. and M., No. 360 with Descaut. 8.35.—The Rev. A. B. BENNETT, of Christ-
Reminiscences of Chopin arr. F. Winterbottom	Gertrude Davies	church Priory : Religious Address. 8,45. Choir.
(Introducing Mazurka, Valse, Nocturne, Polonaise.)	"Lullaby" Cgril Scott (4) Beatrice Dickson.	Anthem, "If Ye Love Me" Tallis Motet, "In Divers Tongues" Palestrina
Nellie Walker. "Life and Death" Coleridge Taylor	"My Ships"	9.0.—DE GROOT AND THE PICCADILLY ORCHESTRA. S.B. from London.
"Big Lady Moon" Coleridge-Taylor (1) "Love the Pedlar" German (1)	Snite, "Ballet Russe"	10.0. WEATHER FORECAST and NEWS. 8.B. from London.
Rural Scenes	Mazurka; Marche Russe, 5.0-5.30.—CHILDREN'S CORNER, S.B. to	Local News. 10.15.—De Groot and the Piccadilly Orchestra
Pustoral ("In the Meadows"); Romanza ("Love Scene"); Scherzo ("Village	all Stations.	(Continued). 10.30,—Close down,
Revels "). Glyn Eastman. "In Brittany "	8.30-10.0, First Special Radio Service. AN ACT OF WORSHIP.	5WA CARDIFF. 351 M.
"Requiem" Homer "Morning Hynn" Henschel	The Rev. A. E. FORREST	3.0-4.30. WINIFRED HIGNELL (Contralto)
The Band. Selection from " Album for the Young "	(Station Chaplain). This is the first Service of its kind to be	THE STATION ORCHESTRA: Conductor, WARWICK BRAITHWAITE.
(Including : The Old Goblin, The Reaper's	Broadcast, the Music and Reading being given by Members of the Staff and the	Overture, "The Mastersingers", Wagner
Song, Sicilienne, From Foreign Parts, Soldier's March, The Wild Horseman,	Station Repertory Company. THE STATION REPERTORY	Winifred Hignell. "I Will Make you Brooches"
Popular Song, Hunting Song, The Merry Peasant.)	in Special Choral Music	"What a Wonderful World It Would Be "
5.0-5.30.—CHILDREN'S CORNER. S.B. from Birmingham,	NIGEL DALLAWAY (Organ Accompaniments).	"O Lovely Night" Landon Ronald (5)
8.20.—Hymn, "The Son of God Goes Forth to War" (A. and M., No. 439).	CHRIS EDMUNDS (Organ Solos). 10.0.—WEATHER FORECAST and NEWS.	Selection, "The Mastersingers"
Bible Reading. Anthem, "O Taste and See" John Goss (11)	S.B. from Loudon. Local News.	Winifred Hignell. "Home"
Address by the Rev. H. HALLIWELL, of the Christian Endeavour Union of Great	10.15.—Service (Continued), 10.20.—Close down.	"I'll Rock You to Rest" C. V. Stanford (1) "But the Lord is Mindful" Mendelssohn
Britain and Ireland, Hymn, "O Jesu, I Have Promised" (A.	6BM BOURNEMOUTH. 385 M.	Orchestra.
9.0. DE GROOT AND THE PICCADILLY	Light Symphony Concert.	singers ") Wagner, " Pastorale " Franck
ORCHESTRA. ELSIE HULME (Contraito).	THE WIRELESS ORCHESTRA:	"The Shepherd's Sone"
Relayed from the Piccadilly Hotel, London. S.B. to other Stations.	Capt. W. A. FEATHERSTONE. ARTHUR MARSTON (Solo Organ).	"Homing" Del Riego "A Child's Prayer" Cyril Rootham (2)
Ballet Suite, "Coppelia" Delibes	Relayed from the Royal Arcade, Boscombe. LAWRENCE FOSTER (Baritone).	"Les Préludes " Liset
Slavonic Songs and Variations; Danse Fête et Valse des Heures; Automatic	GRETTA DON (Soprano). 3.0. Orchestra.	Birmingham. S. CORNER. S.B. from
Music and Waltz, Elsie Hulme.	Overture, "Ruy Blas" Mendelssohn 3.15. Arthur Marston.	8.30. "5WA" MALE SEXTET. Hynm, "Lead, Kindly Light" (A. and
Aria from "La Gioconda" Ponchielli Orchestra.	"Chorale and Variations" (from 6th Sonata)	M., No. 200)
"In a Monastery Garden" Ketelbry (8) (By Special Request.)	3.25. Lawrence Foster. "On Wings of Song"	man of the C.O.P.E.C. Executive, Lon-
Song, "Triste" Sibelius	3.30 Gretta Don.	of C.O.P.E.C." The Message
Fantaisie, "Mignon"	"Orpheus With His Lute" Sullivan "Where the Bee Sucks" Sullivan (11)	Hymn, "Jesu, the Very Thought of Thee" (A. and M., No. 178)
10.0.—WEATHER FORECAST and GENERAL NEWS BULLETIN. S.B. to all Stations.	3.35. Arthur Marston. "Andante Cantabile and Finale" (from	A number against a musical item indicates the name of its publisher. A key list of publishers will be found on
Local News.	4th Symphony) Widor	page 255,

WIRELESS PROGRAMME—SUNDAY

The letters "S.B." printed in Italies in these programmes signify a Simultaneous Broadcast from the station mentioned. 9.0.—DE GROOT AND THE PICCADILLY ORCHESTRA. S.B. from London, 19.0.—WEATHER FORECAST and NEWS. S.B. from London. Local News. 10.15. De Groot and the Piccadilly Orchestra (Continued). 10.30. " The Silent Fellowship." 10.45.-Close down. 2ZY 375 M. MANCHESTER. 3.0.5.0. Chamber Music and Songs. THE ETHEL MIDGLEY TRIO: ETHEL MIDGLEY (Piano);
JOHN BRIDGE (Violin);
WALTER HATTON (Violoncello);
WILFRED HINDLE (Tenor). Trio. Trio. Trio in E Major Mozart Wilfred Hindle. "Adelaide" Beethoven
"Deeper and Deeper Still" Hendel
"Waft Her, Angels" Hendel Trio. Trio in A Minor Tchaikovsky Pezzo Elegiaco; Moderato Assai; Tema con Variazioni; Andante con moto, 5.0-5.30—CHILDREN'S CORNER. S.B. from Birmingham, 8.0.—S. G. HONEY: Talk to Young People. 8.25.—Hymn, "Jesu, Lover of My Soul" (English Hymnal No. 414).
Religions Address by the Rev. CANON SINKER, Vicar of Blackburn.
Hymn, "He Who Would Valiant Be" (English Hymnal No. 402). Hymn, "Evensong is Husbed in Silence"
(English Hymnal No. 569).

9.0.—DE GROOT AND THE PICCADILLY
ORCHESTRA, S.B. from London.

10.0.—WEATHER FORECAST and NEWS. S.B. from London. Local News. 10.15.—De Groot and the Piccadilly Orchestra (Continued). 10.30. - Close down. NEWCASTLE. 3.0-5.0.—Programme 8.B. from London. Birmingham Philharmonic Concert. 7.30-9.30. Relayed from the Palace Theatre.

400 M. 5.0-5.30.—CHILDREN'S CORNER. S.B. from

> Concerto Grosso in B Minor (Op. 6, No. 12) Handel

(Solo Violins, (Solo 'Cello, WILFRED ELLIS.) " Prague " Symphony, No. 38, in D Major Symphonic Poem, "Heroide Funèbre"

Diszt Andame Spianato and Grande Polonnise Brillante for Pianoforte and Orchestra (Op. 22) VINCENT CAYGILL.

Three Orchestral Pieces Edgar L. Bainton "The Beautiful Blue Danube" Waltzes

9.30. DUDLEY MALE VOICE QUARTET. Hymn, "God of Our Fathers, Known of Old" (Manchard) (No. 269, Primitive

Methodist Supplement), The Rev. H. RIDEHALGH-JONES, M.A., Westmorland Road Presbyterian Church

of England: Religious Address, Hymn, " Hark! Hark, My Soul" (Smart) (No. 1032, Primitive Methodist Hyumal). 10.0. - WEATHER FORECAST and NEWS. S.B. from London. Local News.

"O Peaceful Night" German (11)
"Feasting-I Watch" Elgar (11) " Holy Father, Cheer Our Way " ... Jude 10.25. - Close down.

ABERDEEN. 2BD 495 M.

Bach Afternoon. 3.0. HAROLD SAMUEL (Solo Pianoforte). Fantasia in C Minor. Choral Prelude, "Sleepers, Wake!" ... (2) Prelude and Fugue in G, D Minor, and A

3.30. M. WRIGHT, G. HARKINS and MARIE SUTHERLAND. Sonata in G Major for Flute, Violin and

G. Harkins and Marie Sutherland. Concerto in A Minor for Violin and Piano. M. Wright, G. Harkins and Marie Sutherland.

Sonata in C Minor for Flute, Violin and M. Wright and Marie Sutherland.

Sonata for Flute and Piano. Harold Samuel. 4.30. Italian Concerto.

5.0-5.30.—CHILDREN'S CORNER. S.B. from Birmingham. High U.F. Church Choir.

Selected Hynms. The Rev. JOHN BAIN, F.S.A. (Scot.) High U.F. Church: Address.

Choir, Hymns, THE WIRELESS SEPTET. Selected Hymns.

9.15. Sacred Cantata,

"The Rolling Seasons,"

(Simper). Rendered by CULTS PARISH CHURCH CHOIR: Conductor : FRANCIS G. GRAY. Septet.

Selected Hymns. 10.0.—WEATHER FORECAST and NEWS. S.B. from London.

Local News. Septet. Selected Hymns. 10.20. Close down.

9.0-10.0.

5SC GLASGOW. 420 M. 3.0-5.0.—Programme S.B. from London, 5.0-5.30.—CHILDREN'S CORNER. S.B. from

Birmingham. 6.30-7.45. Service. Relayed from The Barony Parish Church.

Recitat by

The Bach Choir. Instrumentalists: BESSIE SPENCE (Violin). ANNIE HAMILTON (Violin).

S. G. ASKHAM (Piano). Conductor, J. MICHAEL DIACK.
Chorale, "Hallelujah" (34)
Chorale, "Beside the Flood of Babylon" (34)
Two Movements from Sonata in C Major for Two Violins and Piano. Largo: Presto. Soprano Solo, "O Light of Life" (34) Chorale, " Wake! The Welcome Day Appeareth ' (34) Chorale, "Jesus Lives!" (34) Violin Solo

Soprano Aria, " My Heart Ever Faithful " Chorale, "From All That Dwell Below the Skies" (34) 10.0. WEATHER FORECAST and NEWS,

S.B. from London. Local News. 10.15.—DE GROOT AND THE PICCADILLY ORCHESTRA. S.B. from London. 10.30.—Close down.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 255.

High-Power Station Programme. 1600 M.

SUNDAY, February 1st. 3.0-5.0.—Programme S.B. from London. 5.0-5.30.—CHILDREN'S CORNER. S.B. from Birmingham. 8.20-10.30.—Programme S.B. from London.

MONDAY, February 2nd. 5.30-6.15.—CHILDREN'S CORNER, S.B. from London.

7.0-10.30.—Programme S.B. from London.

TUESDAY, February 3rd. 5.30-6.15.—CHILDREN'S CORNER, S.B. from London.

7.0-7.30.—Programme S.B. from London. Plays and Chamber Music. THE VIRTUOSO QUARTET: (MARJORIE HAYWARD, EDWIN VIRGO, RAYMOND JEREMY, CED.

TWO NEW RADIO PLAYS: Produced by R. E. JEFFREY. The Quartet.

Variations and Minuet from "The Emperor

(Richard Hughen). An Episode in the Voyage of the Santa Maria The Quartet.

Quartet in D Tchnikovsky Moderato e simplice; Andante cantabile; Scherzo-Allegro non tanto e con fuoco; Allegro giusto.

"CHECKMATE" 8,35. (P. L. Kim). A Modern Cave-Man Comedy.

The Quartet. 8.55, "Molly on the Shore" Grainger
The First Night

> The Musical Play, "LOVE'S PRISONER."

Relayed from The Adelphi Theatre, London. As far as it is possible to gauge the length of a First Night, the times of the numbers to be broadcast will be :--

9.0-9.10.—Opening of Act II. 9.40-9.50.—Finale of Act II.

10.0-10.40.—Act III.

The rest of the programme will be as follows :-

9.25.—Sir OLIVER LODGE. S.B. from London. 9.50 (following Act II).—WEATHER FORE-CAST and NEWS.

10.40 (approx.).—THE SAVOY BANDS. S.B. from London. 12.0.-Close down.

WEDNESDAY, February 4th. 5.30-6.15.—CHILDREN'S CORNER.

S.B. from London. 7.0-10.30.—Programme S.B. from London.

THURSDAY, February 5th. 5.30-6.15.—CHILDREN'S CORNER, S.B. from London.

7.0-7.30.—Programme S.B. from London. 7.30-9.30 .- "THE DREAM OF GENONTIUS" (Elgar).

Gerontius JOHN COATES The Angel IVY PHILLIPS The Priest JOSEPH FARRINGTON THE HALLE QRCHESTRA: THE HALLE CHORUS Conductor, HAMILTON HARTY.

Relayed from The Free Trade Hall, Manchester. 9.30.-WEATHER FORECAST and NEWS. S.B. from Landon,

Capt. P. P. ECKERSLEY, S.B. from London. 10.0.—THE SAVOY BANDS. S.B. from London. 11.0.-Close down.

FRIDAY, February 6th. 5.30-6.15.—CHILDREN'S CORNER, S.B. from London. 7.0-10.30. - Programme S.B. from London,

SATURDAY, February 7th. 5.30-6.15.—CHILDREN'S CORNER. S. B. from London.

7.0-7.30.—Programme S.B. from London. 7.30-9.30.- "THE GOLDEN LEGEND " (Sullivan). S.B. from Rournemouth. 9.30-12.0, -- Programme S.B. from London.

WIRELESS PROGRAMME—MONDAY (Feb. 2nd.)

The letters "S.B." printed in italies in these programmes signify a Simultaneous Broascast from the station meationed.

2LO LONDON. 365 M.

3.15-3.45.—Teansmission to Schools: Mr. GEOFFREY SHAW on "Music."

4.0-5.0. Time Signal from Greenwich. "Vogues and Vanities," by Carmen of Cockaigne. Music performed during Afternoon Tea at the Trocadéro. "The Romance of Paper Making," by Arnot Robertson.

5.30-6.15.—CHILDREN'S CORNER: Music by Auntie Sophie. "Animals I Have Met-(1) The Beaver," by Capt. Mans-

6.40 6.55 .- Mr. F. LE BRETON MARTIN, "Rustie Humour."

7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and IST GENERAL NEWS BULLETIN. S.B. to all Stations.

Talk by the Radio Association. S.B. to all Stations:

Prof. J. E. G. DE MONTMORENCY, " Criminal Law." S.B. to all Stations. Local News.

Comic Opera Programme.

NANCY ROYLE (Suprano). SYBIL MADEN (Contralto). WALTER HYDE (Tenor). KINGSLEY LARK (Bass). NELSON JACKSON (Entertainer). HAMILTON HURST (Entertainer). THE WIRELESS ORCHESTRA:

Conductors: ARTHUR WOOD and DAN GODFREY, Junr.

The Orchestra. Selection, "A Princess of Kensington"

Nancy Royle. Valse Song ("The Maid of the Mountains") Fraser-Simson

"I Love You Sometimes When I'm Far Away " (" Carminetta ")

Lassailty and Darewski

The Orchestra. Waltz, "The Chocolate Soldier " Straus (6)

Kingsley Lark. "Freedom" ("The Greek Slave")

Sidney Jones "I Love a Maid " (" Young England ")

Clutsam Nelson Jackson

Gets Busy at the Piano. The Orchestra. Selection, "The Little Michus!" Messager

Walter Hyde.
"So Fare Thee Well" ("Doris") Cellier
"There's a Little Maid I Know" ("My

Ludy Molly 1) Jones (31)
The Orebestra. Four Dances, "The Rebel Maid"

Montague Phillips First Performance of

The Operetta. KATOUMA,

9.0.

"AN ARABIAN MORN." The Libretto by Kingsley Lark. The Music by Arthur Wood. Scene: Courtyard of an Arabian Merchant's House.

Cast : Katouma, an Arabian Girl NANCY ROYLE Menissah, Her Attendant SYBIL MADEN The Caliph (first disguised as a Minstrel), Her Lover WALTER HYDE Ben el-Asrid (a Merchant), Her Father

KINGSLEY LARK 9.30.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S.B. to all Stations.

Topical Talk. Local News. The Orchestra-Barcarolle, "The Tales of Hoffmann" Hamilton Hurst.

Pianologues. The Orchestra. Selection, "Floredora" Leslie Stuart 10.30. - Close down.

475 M. SIT BIRMINGHAM.

3.30-4.30. The Station Wind Quartet. Doris

Gambell (Soprano).
5.0-5.30.—WOMEN'S CORNER: Sidney Rogers, F.R.H.S. Norah Tarrant (Contraito).

5.30-6.30.—CHILDREN'S CORNER.

6.30-6.45.—Teens' Corner: Norman E. L. Guest, B.A., History Talk, No. 5, "An English Village in the 12th Century."

7.0.-WEATHER FORECAST and NEWS. S.B. from London. Radio Association Talk. S.B. from London.

Prof. J. E. G. DE MONTMORENCY. S.B. from London. Local News.

Popular Programme.

THE PACK OF CARDS CONCERT PARTY:

Directed by J. HORACE POTTER. At the Piano, F. R. JUKES. LEONARD GOWINGS (Tenor). ORD FOX (Humorous Reading).

Concert Party. "Our Wireless Opening Chorus"

Potter and Jukes "We've a Deal to Do To-Day" arr. Potter "Harlequin's Song," by the Ace of Hearts Potter and Jukes

The Joker tells "The Miner's Story" Grey (13)

"Love As It Was" (Love Duets by the "Love As It Is" ... Queen and the Ace of Spades) Henty (13) The Ace of Clubs " Begs to be Excused.

"The Adventure of a Little Mouse" Gallatly (16) The Ace of Spades sings "Just a Little

"The Pack of Cards at School"

Potter and Jukes The Queen sings of "Mayblessom" Potter and Jukes

"Three Italianos" Potter and Jukes The Ace of Diamonds will play "Two Studies' F. R. Jakes
A Vocal Duet, "The Three Nuns"

Potter and Jukes "Yell Shocks " (Without Danger)....(13)

Leonard Gowings. " Down Vauxhall Way ' H. Oliver (8) "Maire, My Giel" Aitken

Concert Party. "THE NIGHT WATCHMAN" Frank Leo, arr. Potter.

2.30. WEATHER FORECAST and NEWS. S.B. from Landon, Topical Talk. Local News.

10.0. Ord Fox. A Humorous Idea of "Sport" .. Ord Fax Leonard Gowings.

"The Garden of Your Heart " . . F. Dorel (1) "At Dawning" Cudman (1) "Wonderful World of Romance

Haydn Wood 10.30. - Close down.

BOURNEMOUTH. 6BM 385 M.

3.45-5.0. Talk to Women by R. Hart-Synnot, Bursar of St. John's College, Oxford. Bacon and Bricknell's Metrognomes Dance Orchestra, Edith Powell (Soprano).

5.0-6.0.—CHILDREN'S CORNER,

6.0-6.30.—Scholars' Half-Hour: "Puritan England," by F. W. Lawrence, A.C.P. 7.0.—WEATHER FORECAST and NEWS.

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

Other Nations (No. 6). Eournemouth Calling Staly.

THE WIRELESS AUGMENTED ORCHESTRA. Conductor,

Cept. W. A. FEATHERSTONE. GERTRUDE JOHNSON (Sopreno). HARRY BRINDLE (Base). HERBERT THORPE (Tenor).

Orchestra. "Marcis Reale" (Italian National Anthem). Talk by the Italian Consul, Southampton. Orchestra.

"Dance of the Hours" ("La Gioconda") Ponchielli

Gertrude Johnson. "I Am Called Mimi ".....Puccini "Ah! fors è lui" Verdi

Harry Brindle.
"O Isis and Osiris" ("The Magic Flute")

Orchestra. 8.15. Ballet Music, " William Tell " Rossini Herbert Thorpe. 8.30.

Orchestra. "Ballet Egyptien "......Luigini Operatic Scena. 8,55.

"THE DAUGHTER OF THE REGIMENT." (Donizetti) (1).

9:30. - WEATHER FORECAST and NEWS. S.B. from London.

Topical Talk. Local News. 10.0. Orchestra.

Excerpts from "Aida".....Verdi 10.10. Gertrude Johnson and Herbert Thorpe. Duct, "Miserere" (" Il Trovatore") Verdi

Harry Brindle. Prologue, "Pagliacci"...... Leoncavallo

Orchestre. Selection of Italian Folk Songs...arr. Langey

10.30. Close down.

CARDIFF. 351 M.

3.0-4.0. Falkman and his Orchestra, relayed from the Capitol Cinema.

4.45-5.15.-- "5WA'S" "FIVE O'CLOCKS." 5.15-6.0.—CHILDREN'S CORNER.

6.40-6.55.—Dr. Jas. J. Simpson, M.A., D.Sc., on "Romances of Natural History." 7:0.-WEATHER FORECAST and NEWS.

S.B. from London. Radio Association Talk. S.B. from London. Prof. J. E. G. DE MONTMORENCY. S.B. from London. Local News.

Music, Song, and Story. ANNE THURSFIELD (Contraito). THE GLANHOWY CONCERT PARTY.
THE STATION ORCHESTRA. Conductor, WARWICK BRAITHWAITE.

Orchestra. Overture, " Romeo and Juliet "..... Bellini " Serenade " Jensen "An Angel's Dream ".....Rubinstein

"Invictus" Protheroe (2)
"The Frog" Newton (11)

" Mopsa "..... C. Lee Williams (11) Anne Thursfield. Selected.

2 2 7 "THIRTY SECONDS." An Incomplete Play by Donald Davies.

At the most intense moment in this thrilling Drama the action stops.

Selection, "Aïda"...... Verdi-Tavan

CAN YOU FINISH IT? Orchestra.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 255.

WIRELESS PROGRAMME—MONDAY (Feb. 2nd.)

The letters "S.B." printed in italics in these programmes signify a Simultaneous Breadcast from the station mentioned.	Variety Night. BEATRICE MIRANDA (Soprano).	2BD ABERDEEN. 495 M.
	GRACE IVELL and VIVIAN WORTH	3.30-5.0,—The Wireless Dance Orchestra.
Concert Party. The Wanderer " Elgar (11)	(Entertainers).	5.30-6.0.—CHILDREN'S CORNER.
"Y Delyn Aur"D. Pughe-Erons	JEROME MURPHY (Irish Song and	6.30-6.35,—Girl Guides' Bulletin, 6.40-6.55,—Boy Scouts' Bulletin.
Anne Thursfield.	GEORGE WADE (Solo Banjo).	7.0WEATHER FORECAST and NEWS.
Selected, Orchestra,	CATCHESIDE WARRINGTON (Typeside	S.B. from London
"Petite Snite d'Orchestre."Bizet	Entertainer).	Radio Association Talk. S.B. from London, Prof. J. E. G. DE MONTMORENCY.
Military March Schubert	THE PRUDHOE GLEEMEN. THE STATION ORCHESTRA:	S.B. from London. Local News.
9.30.—WEATHER FORECAST and NEWS. S.B. from London.	Conductor, EDWARD CLARK.	7.35-9.30.—Programme S.B. from Glasgow.
Topical Talk. Local News.	7.35. Orchestra.	9.30.—WEATHER FORECAST and NEWS. S.B from London.
16.0.—Dance Music,	Overture, "Light Cavalry" Suppe	Mr. GEORGE MACDONALD. S.B. from
10.30.—Close down.	7.45 Jerome Murphy. 'Tatters and Tucks'' F. Norton	Edinburgh. Local News.
27V MANDUFOTED 275 M	" Nora Carew " (New Song) H. Jenner	10.0,—Programme S,B. from Glasgow. 10.30.—Close down.
2ZY MANCHESTER. 375 M.	"Tramping Down to Sligo " T. Brayton	10.30.—Close down.
3.0-3.30. Music relayed from the Oxford Picture Theatre. (Conductor, S.	"An Irish Proposal" L. Kane	5SC GLASGOW. 420 M.
4.0-4.30. Spurgin.)	7.55. Bestrice Miranda. "Dresm o' Day Jill" ("Tom Jones")	3.30-4.50.—The Wireless Quartet, Isobel
3.30-4.0,-Broadcast for Seconday Schools	E. German	Semple (Contralto). Afternoon Topics.
(Seniors): "Travel."	8.5. Prudhoe Gleemen.	5.15-6.0.—CHILDREN'S CORNER,
4.30-5.0,—WOMEN'S HALF-HOUR: Minnie Thornley (Soprano).	North Country Air, "John Peel" are, Fletcher (2)	6.0-6.5.—Weather Forecast for Farmers.
5.0-6.0.—CHILDREN'S CORNER.	"Newquay Fishermen's Song"	6.40-6.55.—R. Buckeridge: Topical Talk.
6.30, -J. F. Russell on "Musical Appreciation."	Mackenzie (2)	7.0.—WEATHER FORECAST and NEWS.
7.0.—WEATHER FORECAST and NEWS.	"Ca Hawkie" arr. Whittaker (14) 8.20. Grace Ivell and Vivian Worth.	S.B. from London. Radio Association Talk. S.B. from London.
S.B. from London. Local News.	8.20. Grace Ivell and Vivian Worth. "Calling Thro' the Shadows" Fornander	Prof. J. E. G. DE MONTMORENCY.
Radio Association Talk. S.B. from London. Prof. J. E. G. DE MONTMORENCY. S.B.	"Mary Had a Little Lamb" M. C. Day	S.B. from London. Local News.
from London.	"Don't Mind the Rain " Miller and Cohn	A Varied Programme. S.B. to Aberdeen and Dundee.
Light Symphony Concert.	8.30. Orchestra.	JOHN HUNTINGTON (Baritone).
ENID CRUIKSHANK (Contralto).	Scarf Dance and VariationChaminade (5) 8.40. Jerome Murphy.	AUGUSTUS BEDDIE (Story Recital).
ADELINA LEON (Solo Violoncello).	"The Next Market Day " Hughes (1)	Mr. and Mrs. FRANK MERTON (Hawaiian Guitar Players).
THE "2ZY" AUGMENTED ORCHESTRA:	"A Ballynure Ballad " Hughes (1)	THE STATION ORCHESTRA:
Conductor, T. H. MORRISON.	Monologue, "Michael Patrick Doolin")	Conducted by
7.35. Orchestra.	"Michael Patrick Doolin" J. M. Kemcay	HERBERT A. CARRUTHERS. 7.35. Orchestra.
Overture, "The King of Ys" Lalo Suite No. I, "L'Arlésienne" Bizet	S.50. Beatrice Miranda.	Overture, "The Yeomen of the Guard"
End Cruitshank.	"The Happy Journey" E. Austin (8)	Sulliva
"Fair Spring Is	9.0. Grace Ivell and Vivian Worth,	Selection, "The Girl Behind the Counter"
Returning " (" Samson and Saint- "O Love, From (Delilah ") Saens	"My Sunshine Girl " Geoffrey Stanton (9)	7.55. John Huntington. Talbot
Thy Power"	"The Ogo-Pogo" Mark Strong (26) "Chili Born-Born" Donaldson (7)	Prologue, "I Pagliacci" Leoncavallo
Adelina Leon.	9.10. Prudhoe Gleemen.	"The Fishermen of England" ("The Rebel
" Air " Tenaglia " Poem " Fibich	Part Song, "Full Fathorn Five " Dunhill	"Unavailing Maid") M. Phillips
" Allegretto " Wolstenholme (11)	Folk Song, "Bobby Shaftce" arr. Whittaker (14)	"Unavailing Maid") M. Phillips
Orchestra.	Negro Melody, " Poor Old Joe "	8.5. Mr. and Mrs. Frank Merton. "Aloha Oe."
Symphony No. 8 in B Flat Minor Haydn Enid Cruikshank.	9.20. Orchestra.	"Moonlight in Dixie."
"Sea Wrack"	Flower Waltz Tchaikorsky	"Come and Dance With Me."
"After a Dream" Faure	9.30WEATHER FORECAST and NEWS.	Hawaiian Guitar and Ukulele, "Kahola March."
"The Heart Worships"	S.B. from London.	8.15. Orchestra.
"Swedish Melody" arr. Percy Grainger	Topical Talk. Local News. 10.0. George Wade.	Romantic Suite Stanley
"Orientale " Cesar Cui	"The Mosquitos Parade"	8.25. Augustus Beddie.
"Cherry Ripe" Cyril Scott "Spanish Serenade" Glazounov	Witney, arr. Essex (6)	"A SPRIG OF APPLERINGIE." (Joseph Laing Waugh.)
Orchestra.	"The Teddy Bears' Pienie" Bratton, arr. Essex (6)	9.0. John Huntington.
"Ballet Divertissement " Blattermann	"The Crofters' Polka"Nickolds	"The Tramp" Y. Sawyer
9.30.—WEATHER FORECAST and NEWS. S.B. from London.	10.10. Catcheside Warrington.	"West Country Lad" ("Tom Jones")
Topical Talk. Local News.	"The Neibors Doon Belan " arr. Warrington	"Marching Along" M. V. White
10.0. JAMES WORSLEY (Laucashire Dialect Entertainer).	Story, "The Fishwife and the Census Man"	9.10. Mr. and Mrs. Frank Merton.
10:30.—Close down.	Gascoigne	"Hawaiian Melody."
	10.20. Prudhoe Gieemen.	"Kilama Waltz." Hawaiian Guitar and Ukulele, "Say It
5NO NEWCASTLE. 400 M.	Part Song, "I Loved a Lass" Byson (2) Medley of Old English Songs Bales (2)	With a Ukulele " Feldman (6)
3.45-5.15.—Dorothy Purvis (Contralto). Jack	African Idyl, "Timbuetoo" Geibel (2)	Banjo Andante and Waltz Cammeyer
Boddice (Solo Euphonium). James	Part Song, " Beveille " Elgur (11)	Duets ("Torchlight Parade" Mortey 9.22. Orchestra.
Griffiths (Solo Violoncello). Weekly News	10.30. Catcheside Warrington, Song, "Wor Nanny's a Mazor"	Concert Valse, "My Dream", Waldteufel
Letter. Joyce Robson, B.Sc., "Modern Egyptian Women."	arr. Warrington	9.30. WEATHER FORECAST and NEWS.
Egyptian Women.	Song, "Last Neet" arr. Warrington	S.B. from London.

"Fun on the Wabash" Parke Hunter
"Night Club Parade" Grimshaw
"Luncashire Clogs" Grimshaw
"O. Prudioe Gleemen. Moles, B.A., B.Sc., "The Rise of the English Drame—Christopher Marlowe." 10.50. 6.35-6.50.—Farmers' Corner: Mr. H. C. Paw-

10.40.

11.0.—Close down.

son: "Farming, Past and Present." 7.0.—WEATHER FORECAST and NEWS.

6.0-6.30.-Scholars' Half-Hour: Mr. T. W.

5.15-6.0.—CHILDREN'S CORNER.

S.B. from London. Radio Association Talk. S.B. from London. Prof. J. E. G. DE MONTMORENCY. S.B. from London. Local News.

"King Charles" M. V. White (1)

10.10. Orchestra.

"Tangled Tunes" Ketelbey
March, "Old Comrades" Teike Part Song, "The Song of the Jolly Roger"

Chudleigh Candish (2) North Country Ballad, "Border Ballad" Maunder (11) Part Song, "When Evening's Twilight"

Hatton (11)

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 255.

Mr. GEORGE MACDONALD. S.B. from

" Little Grey Home in the West." H. Lohr.

Edinburgh. Local News.

10.30.-Close down.

John Huntington.

Continental Broadcasting.

Owing to frequent changes of wave-length and times of transmission, absolute accuracy cannot be guaranteed, 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.

HIFFEL TOWER (FL)—Paris, 2,600 m.

Daily: 6,40 a.m., Weather (exc. Sun.); 1L0, Markets (exc. Sun. and Mon.); 11.15, Time Sig., Weather; 2.45, 3.33, 4.30 * p.m., Stock Exch. (exc. Sun. and Mon.); 6 p.m., Con., News; 7 p.m., In.10, Weather (exc. Sun.). * On 1st and 15th of each month at 4.45 p.m.; 8.30 p.m., Con. relayed from PTT (Fri.).

RAINO-PARIS (SFR)—Paris, 1,780 m.

Sundays: 12.40 p.m., Orch.; 1.45, News; 4.45, Con.; 8.30 p.m., News; 9 p.m., Dance.

Weekdays: 12.30 p.m., News, Stock Exch., Orch.; 4.30, Markets, Con.; 5.45, Stock Exch., News, Women's Hour; 8.30, Lec., News, Con.; 9 p.m., Dance (Thu.). Le Motion, Paris, provides a special Con. every 2nd and 4th Sat. la exch moath, at 9 or 10 p.m.

ECORE SUP. DES POSTES ET TELEGRAPHES (PTT)-

Paris, 458 m.
2 p.m., Lec. relayed from Sorbonne University (Thu.); 3 p.m., Outside relay (Sat. kreg.); 3.45 and 5 p.m., Sortonne Lec. relayed (Wed.); 4 p.m., Outside relay (freg.); 8 p.m., English Talk (Tuc.); 8.30, Lec. of Con. (almost driby), Con. relayed by FL on 2,6000 m. (Frl.); 8.45 p.m., Lec. (Sun.); Organ Recitai on 3rd San. cach month; 9.30 p.m., Con. (Sun.).

"PETIT PARISIEN"—Paris, 345m.
9.30 p.m., Con. (Tuc., Thu., Sun.), Dance (Sat.).

RADIO-LYON-287 m. 12.0, 5.15 p.m., 8.30 p.m., News, Con. (irreg.). TOULOUSE AERODROME (MKD)-1,525 m.

9.42 a.m. and 7.42 p.m., Weather (dally). STATION DU PIC-DU-MIDI-350 m.

Testing. LYON-LA DOUA-550 m. 10:30 s.m., Gramophone Con., News, Stock Exch. (irreg.)

GERMANY.

DRESDEN (Relay Station)—280 m. From Leipzig. CASSEL (Relay Station)-292 m. From Frankfort, HANOVER (Relay Station)—256 m. From Hamburg. BREMEN (Relay Station)—330 m. From Hamburg. NOBEMBERG (Relay Station)-340 m. From Munich.

NORMSBERG (Relay Station)—340 m. From Munich.

HAMBURG—395 m.
Sundays: 7.55 a.m., Time Sig., Weather, News, Lec.;
10.0, Sacred Con., Lec.; 12.0, Con.; 1 p.m., Chess,
Lec.; 3 p.m., Calldren; 4 p.m., Con.; 6 p.m., English;
7 p.m., Con. or Opera, Sport, Weather, News; 9 p.m.,
onwards, as Weekdays,
Weekdays: 6.25 a.m., TimesSig., News, Weather; 7.30,
Theatre News; 11.55, TimesSig., News, Weather; 7.30,
Theatre News; 11.55, TimesSig.; 12.10, Spanish
Lesson; 2 p.m., Positical News, Markets; 3 p.m.,
Women; 3.30; Lec., Esperanto; 4.5, Lec., Markets;
5 p.m., Con., Lec.; 6.25 p.m., Lec., English (Toc. and
Ftl.); 7 p.m., Weather, Con. or Opera; 9.0 p.m.,
Weather, Markets, Sport; 9.50 p.m., News (in English),
Dance (dally, exc. Sun.).

MUNSTER-110 m. 11 a.m., Sacred Con. (Sup.), News; 11.30 (weekdays); 11.55, Time Sig.; 2.30 p.m., Markets; 3 p.m., Children (Sun.); Lec. (weekdays); 6.40 p.m., Weather, Time Sig., Lec.; 7.25, Women, Con. or Opera; Danco (Sat.); 9 p.m., English, Esperanto or Spanish News; Dance (Sat.).

DRESLAU-418 m. (88LAU—418 m. 10:15 a.m., Stock Exch., Weather; 11.0, Factory Con. (weekdays); Classical Con. (Sun.); 11.55, Time Sig. (Sun.); Weather, Stock Exch.; 2 p.m., News (weekdays); 3 p.m., Children (Sun.); 4 p.m., Lec., Orch, Children (Frl.); 5 p.m., Shorthand (Sat.); Mah., Jongg (Wed.); 6.15, Esperanto (Mon.), English (Thu.), Shorthand (Wed.), Lec. (other days); 7.30 p.m., Con., Weather, Time Sig.; 8.30 p.m., Dance (Sun.).

Al (II)—503 m.

a.m., Snered Con. (Sun.); 9 a.m., Markets, News, Weather; 10 a.m., Factory Con. and Tests; 10.30, Educat. Hour (Sun.); II.13, Stock Exch.; 12.0, Time Sig., News, Weather; 1.15 p.m., Stock Exch.; 2 p.m., Educ. Let. (Sun.); Markets (weekdays); 2.30, Children (Sun. Wed.); 3 p.m., Esperanto (Sat.); 3.30, Orch., French (Tue.); 5.30, Lec.; Women; 6 p.m., French Lesson (Mon.), Lec. (Tue.); 6.30, Lec.; English (Thu.); 7.0, Theatrical News (Toe.); 7.30, if Opera, usually at 6.30 p.m.; Con., Weather, News, Time Sig.; 9.30, Chess (Mon.); Danco until II p.m. (Thu., Sat., Sun.).

STUTTGART-143 BL 10.30 s.m., Con. (Sun.), other days irreg.; 3 p.m., Time Siz., Orch. (Sun.); 4.45 p.m., Time Sig., Weather, Orch.; Children (Wed. and Sat.); 6.30, Lec.; English Humour (Fri.); 7 p.m., News, Con. or Opera; 8.15 p.m., Time Sig., Late Con.; 9.15 p.m.,

LEIPZIG-454 m. 8 a.m., Secred Con.; 10 a.m., Educat. Hour (Sun.); 10.55, Markels, Orch., Time Sig.; 3 p.m., Markets; 3.30, Orch., Children (Wed.); 4.30, Lec. (Tuc.); 5.30, Lec. (Tuc.); Experimenters (Wed., Saf.); 6 p.m., Lec.; 7.15 p.m., Con., Weather, News; 9 p.m., Con. (not daily).

KOENIGSBERG-463 m. Sa.m., Sacred Con. (Sun.); 10.15, Markets; 11.55, Time Sig., Weather; 1.15 and 3 p.m., Markets; 3.30, Children (Tue., Wed., Sat.), Orch.; 6.30 p.m., Lec., Esperanto (Thu., Sat.); 7 p.m., Con. or Opera; 8 p.m., Orch. or Lec., News, Dance (Thu., Sun.).

FRANKFORT-ON-MAIN-470 m. 7.30 a.m., Saered Con. (Sun.); 10.10, Stock Exch.; 10.55, Time Sig., News; 3 p.m., Children (Sun.); Markets (weekdays); 3.30, Con., Women; 4 p.m., Con. (Sun.); 5 p.m., Markets, Lec., relay of Opera (irreg.), Children (Wed.); 6 p.m., Lec. (daily), Shorthand (Wed.), Esperanto (Fri.); 6.30, Educat. Roar; 7 p.m., Lec., English (Mon.); 7.30, Con. (daily), Jazz Band (Thu.); 8.30 p.m., Time Sig., Weather, News, Con., Dance or late Con. (not daily).

MUNICH-485 m. 10.30 a.m., Lec. (Sun.), Con.; 1 p.m., News, Weather, Time Sig, Snow Forecast; 2 p.m., Con. (Sun.); 3 p.m., Lec. (Sun.); 3.30, Orch. (weekdays); 4 p.m., Orch. (Sun.), Children (Wed.); 5 p.m., Agricultural Talks (Mon.); 5.30, Con.; 6 p.m., Loc. English Lesson (Mon. and Fri.), Italian (Tue.), Esperanto (Tun.), Bassian (Sat.); 7.30, Con. (daily); 8.30, News, Weather, Time Sig.; 9 p.m., late Con. (Sun.), Lec. (Tue.), Dance (Sat.). (Tae.), Dance (Sat.).

KOENIGSWUSTERHAUSEN (LP)—Near Berlin.
2,450 m. 6.30 a.m. to 7.40 p.m., Wolff's Press News,
2,830 m. 10.30 a.m., Con. (San.), Esperanto Lec.
4,000 m. 6 a.m. to 8 p.m., News Service.
Eberswalde (Berlin) 280 m. 9.15 p.m., Con. (Mon.).
8,150 m. 6.15 a.m. to 6.45 p.m., News.

NORDDEICH (EAV)-1,800 m. 10.25 a.m. and 9,45 p.m., Weather Forecast.

AUSTRIA.

VIENNA (RADIO WIEN)-530 m. Dally: 8 a.m., Markets; 10, Con.; 12.5 p.m., Time Sig.; 12.20, Weather; 2.30, Stock Exch.; 3 p.m., News, Con.; 3.10, Children (Wed.); 5.10 p.m., Lec. (Thu. Fri., Sat.); Children (Tuc.); 5.30, Lec. (Wed.); 6.30, News, Weather, Snow Porecast (Fri., Sat.); 7 p.m., Time Sig., Con., News; 9 p.m., Dance (Wed., Sat.).

GRAZ (Relay Station)-700 m. From Vienna. Testing,

BELGIUM.

BRUSSELS (SBR)—265 m.

Daily: 5 p.m., Orch. Children (Wed. and Thu.); Danca (Tue. and Sat.); 6 p.m., News; 8 p.m., Lec.; 8.15, News, Con.; 10 p.m., News.

HAEREN (BAV)—1,100 m.

Weekdays: 1 p.m., 2 p.m., 4.50 and 6.50 p.m., Weather.

CZECHO-SLOVAKIA.

KBELY (OKP)—1,160 m.

Weekdays: 10.30 a.m., 12, 12.45 p.m., Stock Exch.;
4 p.m., Con. (Well., Sat.); 6.30 p.m., Lec., News,

Weather, Con. (Time Sig., 7 p.m.) daily; 10 a.m., Con.

KOMAROV (OKB)—1,800 m.

1 p.m., Stock Exch., Weather, News (weekdays); 5.30, Con. (Thu.); 9 a.m., Con. (Sun.).

DENMARK.

COPENHAGEN (Kjobenhavns Radiofonistation)—470 m.
7 p.m., Con. (Sam., Wed., Thu.). Also tests on 750-800 m.,
8 p.m., daily. Wave length not fixed def.
LYNGBY (ONE)—2,400 m.

Weekdays: 6.20 p.m., 8 and 9 p.m., News, Weather,

BYVANG-1,025 m. 0.30 p.m., Eng. Lesson (Wed.); 7 p.m., Con. (Tue., Fri.)

HOLLAND.

AMSTERDAM (PCFF)—2,125 m.

Daily: 7.55 * a.m. to 4.10 p.m., News, Stock Exch.,
Time Sig. (9.55 a.m. and 4.10 p.m.).

AMSTERDAM (PX0)—1,070 m.

8.40 p.m., Con. (Mon.).

AMSTERDAM (PA5)—1,050 m.

7.40 p.m., Con. (Wed.).

HILVERSUM (HDQ9—1,050 m.

6.55 p.m., Children (Mon.); 8.40 p.m., Lec. and Con.

(Frf.); 7.40 p.m., Con., (Sun.).

B.B.C. STATION ADDRESSES. MAIN.

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Athenaum Lane ... 2283
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LEEDS-BRADFORD

YMUIDEN (PCMM)-1,050 m. 7.40 p.m., Con. (Satt); VOSSEGAT (Ec)-1,050 m. 12.30 and 7.40, Weather, SOESTERBERG-1,050 m.

7.26 p.m., Weather. * Except Mon. and Sat. (10.10-11.10 s.m.).

BUDA-PESTH. (MT4) 950 m. Half hourly from 6,45 a.m., News, Stock Exch.; 14 g.m.; Con. (daily); If 30, News.

ITALY.

ROME (IRO)-425 m. 7.30 and 8.20 a.m., News; 4 p.m., Orch.; 7.35 p.m., News, Con.; 8.15 p.m., Lec., Con.; 9 p.m., Dance (not daily).

ROME (Radiouraldo) —624 m.
10.30 a.m., News; 11.0, Time Sig., Con.; 2,20 p.m.,
Stock Exch.; 7 p.m., Con.
CENTOCELLE—(ICD)—1,800 m.
3 and 7,30 p.m., News,

JUGO-SLAVIA.

BELGRADE-1,650 m.
5,30 p.m., Con., News, Weather (Toc., Thu, Sat.);
Weather, News only (Mon., Wed., Frl.).

CHRISTIANIA (OSLO)-440-500 m. (wave length not definitely fixed).

About 7.30 p.m., almost daily Tests.

LISBON (Aero-Lisbon)-375-410 m. 8.30 p.m., Tests (irreg.). MONSANTO (CFV) - 2,450 m. Tests (irreg.). 1.0 and 11 p.m., Weather.

MOSCOW-3,200 m.
1.50 p.m., Lee, (freg.). Broadcasting service in coarse of organization.

MADRID (EAJ2)-Radio-Fepaña-335 m.

Dally: 6 p.m., Con.

MADRID (R1)—302 m.

Dally: 9 p.m., Weather; Stock Excit., Time Sig., Con., News. Sandays: 4.30 p.m., Con.,

BARCELONA (EAJI)—323 m.

Daily: 5 and 9 p.m., Con, SEVILLE (EAJ5)-350 m:

6.30 p.m., Con.; 6.55, Weather; 7 p.m., Time Sig.; 7.5, Lec. (irreg.); 7.30, Con., News; 7.45, Con.

STOCKHOLM (SASA)-427 m.

6.45 p.m., News, Con. (daily). Sundays: 10 a.m., Rekay of Relig. Serv. from St. James'

Gothenburg.

Choren.

BODEN-2,500 m. Tests only, Rog. trans. expected to begin in February.

GOTHENBURG (SASE)-200 m. New station will open about end January. Times not yet fixed, but probably 6.45 p.m., News; 8 p.m., Con. (daily).

MALMOE (SASC)-270 m. To open shortly. Times as Gothenburg.

Gothenburg.
Sundays: 10 a.m.
Service relayed from St. Peter's Cathedral.
SUNDSVALL—680 m. Will open in March next.

SWITZERLAND.

ZURICH (Höngg).-650 m. Wave length not definitely fixed. Occasionally on 515 m.

Weekdays: 11 a.m., Weather; 11.55, Time Sig., Weather, News, Stock Exch.; 3 p.m., Con.; 5.15 p.m., Children (Mon., Wed., Fri.); 5 p.m., Weather, News; 7.15 p.m., Lec., Con., Dance (Fri.); 9 p.m.,

News. Sundays: 3 and 7.15 p.m., Con., News, Weather,

Sindays: 3 and 7.15 p.m., Con., News, Weather,
GENEVA (HB1)—1,100 m.
Dally: 12.15, Lec. (exc. Sun.).
LAUSANNE (HB2)—856 m.
Weekdays: 7.5 a.m., 12.30 p.m., Weather, Markets,
Time Sig., News; 4 p.m., Children (Wed.); 5.55,
Weather, News; 7 or 7.15 p.m., Con. or Lec. (daily),
Dance (Thu. and Sat.).

PRINCIPAL AUSTRALIAN BROADCAST STATIONS.

SYDNEY—2RL, 350 m. 2FC., 1,100 m. PERTH—6WF, 1,250 m. MELBOURNE—3LO, 1,720 m. Following stations are in course of erection and will be shortly working :--ADELAIDE-5AB, 340 m, and 5MA, 850 m. MELHOURNE-3JO, 400 m, and/or 3RA, 480 m. SYDNEY-2FL, 770 m.

CAPE TOWN-WAMG, 375 m. (from 16.30 G.M.T.), JOHANNESBURG-JH, 450 m. (from 10.30 G.M.T.). DURBAN-900 m. WALFISCH BAY-600 m. SLANG KOP-630 m.

PRINCIPAL U.S.A. AND CANADIAN BROADCAST STATIONS.

KGO-312 m. Oakland, Cal. KDKA—326 m. East Pittsburg, Pa. WBZ—337 m. Springfield, Mass. WGY—380 m. Schenortady, N.Y. WJY—405 m. New York Cky. CKAC—425 m. Montreal, Ca. CFAC—435 m; Calgary, Ca. WJZ-455 m. New York City.

WIRELESS PROGRAMME—TUESDAY

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

365 M. 2LO LONDON.

- 1.0-2.0.—Time Signal from Greenwich. Con-cert: The "2LO" Trio and Cornelia de Lay (Contralto).
- 3.15-3.45.—Transmission to Schools: "The Country Side-Horses," by Patricia Johnson.
- 4.0-5.0.—Time Signal from Greenwich. "Books to Read," by Ann Spice. "Historical Pictures—(6) Purcell, the English Musician," by Alice Cunninghame. Organ and Orchestral Music, relayed from Shepherd's Bush Pavilion.
- 5.30-6.15.—CHILDREN'S CORNER: "The Three Acorns," by Norah Turner. Songs by Mavis Bennett (Soprano).
- 6.40 6.55.—An Appeal on behalf of the Caldecott Community, by the Hon. Mrs. Alfred Lyttleton, D.B.E.
- 7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. S.B. to all Stations.

JOHN STRACHEY, "Literary Criticism." S.B. to all Stations. Local News.

Ballad Concert.

S.B. to all Stations. CARRIE TUBB (Soprano). LEONARD GOWINGS (Tenor). MICHAEL HEAD (Baritone). MARK AMBIENT (Recitals).

A, E. NICKOLDS and ALBERT H. HOWE (Entertainers). THE "2LO" QUARTET.

The Quartet. "Serenata" "Serenata" Moszkowski "Miserere" ("Il Trovatore").... Verdi Leonard Gowings.

- "Now Sleeps the Crimson Petal" Quilter (1) "Amour d'Automne " (" Autumn Love ") Chaminade (5)
- "The Shepherd's Song" Elgar Mark Ambient. "Kissing Cup's Race," by an Old Jockey
- C. Rae Brown
- " If I Darest "-by a Small Boy Eugene Field Carrie Tubb.

"Alleluia" (by request)

- arr O'Connor Morris (1) "Ocean, Thou Mighty Monster' Michael Head.
- "A Farmer's Sen So Sweet" arr. S. Baring-Gould
- "The Hare's on the Mountain' arr. Cecil Sharp " Down by the Riverside "
- arr. Vaughan-Williams (11) "The Lass of Richmond Hill"
- "Ritournelle" Traditional " Ritournelle " Chaminade (5)
 " Valse-Bluette " Drigo
- 8.30 (approx.). A. E. Niekolds and
 - Albert H. Howe. Vocal, Instrumental, and Humorous Harmony.
 - The Quartet. "A Prairie Lullaby" Stanford Robinson Drigo " Serenade "
 - Leonard Gowings.
 - "The Devon Maid" Frank Bridge
 "Murmuring Breezes" Jenson
 "The Maiden Blush" R. Quilter
 - Carrie Tubb. " The House of Clouds " L. Stanton Jefferies
 - "Drawing" (First Performance) L. Stanton Jefferies
 - " Ecstasy "...... Rummel "Song of the Palanquin Bearers" Martin Shaw (2)

- "From My Window," by PHILEMON. Michael Head.
- "A Piper" "A Piper " Michael Head (1)
 "A Love Rhapsodie"

The Quartet. Favourite Airs by Puccini.

- 9.15.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S.B. to all Stations.
- 9.25.—Sir OLIVER LODGE, F.R.S., "Electric Behaviour of Ether. What a Charge is Like, and How It Acts a Long Way Off." S.B. to all Stations.

Local News.

The First Night 10.0 (approx.).

> The Musical Play, "LOVE'S PRISONER."

Act III. Relayed from The Adelphi Theatre, London. S.B. to all Stations.

10.40 (approx.) .- THE SAVOY ORPHEANS. AND SAVOY HAVANA BAND, AND SELMA FOUR, relayed from the Savoy Hotel, London. S.B. to all Stations.

12.0.—Close down.

We ask the indulgence of our Listeners if the approximate timings given above are not adhered to. It is difficult to estimate the exact length of a first performance.

5IT BIRMINGHAM. 475 M.

3.30-4.0.—Lozells Picture House Orchestra.

- 4.0-4.30,-School Transmission: Dr. ADRIAN C. BOULT (Conductor of the City of Birmingham Orchestra): "Musical Appre-
- 5.0-5.30. WOMEN'S CORNER: Jessie Bayliss Elliott, D.Sc. "The Perfume of Flowers." Edith Paddock (Soprano).

5.30-6.30.—CHILDREN'S CORNER.

6.30-6.45.—'Teens' Corner: J. A. Cooper, B.Sc., Assoc. I.R.E., "Stepping-Stones to Radio,"

7.0-12.0.—Programme S.B. from London.

IMPORTANT TO READERS.

LETTERS FOR THE EDITOR should be addressed to "The Radio Times," 8-11, Southampton Street, Strand, W.C.2.

LETTERS FOR THE B.B.C., containing programme suggestions or criticisms, should be sent to the Organiser of Programmes, 2, Savoy Hill, W.C.2.

RATES OF SUBSCRIPTION to "The Radio Times" (including postage): Twelve MONTHS (Foreign), 15s. 8d.; TWELVE MONTHS (British), 13s. 6d.

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

6BM BOURNEMOUTH. 385 M.

3.45-5.0.—Talk to Women: London Papers, read by Anne Farnell-Watson. The "6BM" Trio: Reginald S. Mouat (Violin), Thomas E. Illingworth ('Cello), Arthur Marston (Piano). Jack Hastings (Entertainer).

5.0-6.0.—CHILDREN'S CORNER.

6.0-6.30. Scholars' Half-Hour: "Commercial

Art," by Mrs. Dorothy Baker. 6.30-6.45,—Farmers' Talk: "Varieties of Pota-toes," by Mr. C. J. Gleed, F.R.H.S. 7.0-12.0. - Programme S.B. from London.

351 M. 5WA CARDIFF.

3.0-3.30.—Transmission to Schools.

3.30-4.0,—The Station Trio. 4.45-5.15.—" 5WA'S" "FIVE O'CLOCKS." Mr. Isaac J. Williams, Keeper of Art, the National Museum of Wales: "Modern

British Painters.' 5.15-6.0.—CHILDREN'S CORNER.

6.40-6.55.—The Rev. A. J. Pearse: "Robert Louis Stevenson."

7.0-12.0.—Programme S.B. from London,

2ZY MANCHESTER. 375 M.

12.30-1.30.—Organ Music by H. Fitzroy Page, relayed from the Piccadilly Picture Theatre.

3.0-3.30. 4.0-4.30. Concert by the "2ZY" Quartet.

3.30-4.0.—Broadcast for Schools: Mr. E. Sims Hilditch on "Musical Appreciation" (5).

4.30-5.0.—WOMEN'S HALF-HOUR.

5.0-6.0.—CHILDREN'S CORNER.

6.30-6.55.—Local Radio Society Talk. 7.0-12.0.—Programme S.B. from London.

5NO NEWCASTLE. 400 M.

11.30-12.30,-Kitty Robinson (Soprano). Orch. estra relayed from Tilley's Restaurant.

3.45-5.15.—Anne F. Whittaker (Soprano). Andrew Bevan (Solo Violin). Harold Earnshaw (Baritone). Florence Mather: "Home Nursing" (3).

5.15-6.0.—CHILDREN'S CORNER, 6.40-6.55.-Mr. J. L. Gibson: French Talk. 7.0-12.0.—Programme S.B. from London.

2BD ABERDEEN.

3.30-5.0.—The Wireless Sextet. Stephen Cosh (Bass). Dorothy Bannochie (Soprano). Feminine Topics.

5.15-6.0.—CHILDREN'S CORNER: St. Margaret's Episcopal School Junior Choir,

6.40-6.55.—The Rev. Walter A. Mursell on "Some Victorian Novelists: Thomas

7.0-12.0.—Programme S.B. from London.

GLASGOW. 420 M.

- 3.30-4.50.—The Wireless Quartet. Carmen Ledder (Light Soprano). Afternoon Topies.
- 5.15-6.0.—CHILDREN'S CORNER: Our Weekly Forty-five Minutes with the Smaller Children.

6.0-6.5.—Weather Forecast for Farmers.

7.0.—WEATHER FORECAST and NEWS. S.B. from London, JOHN STRACHEY. S.B. from London. Local News.

7.30-8.0.—Programme S.B. from London, 8.0-8.20. THE SCOTTISH ORCHESTRA

AND CHOIR. Conducted by WILFRED SENIOR. 8.B. to Edinburgh and Dundee. "Sea-Drift" Delius

8.20-12.0. Programme S.B. from London. A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 255.

WIRELESS PROGRAMME—WEDNESDAY (Feb. 4th.)

The letters "S.R." printed in Halles in these programmer	SIT BIRMINGHAM. 475 M.	Robert Chignell.
The letters "S.B." printed in Italics in these programmes signify a Simultaneous Broadcast from the station mentioned.	3.30-4.30.—The Station Pianoforte Quintet.	"Vulcan's Song"
21.0 LONDON. 365 M.	5.0-5.30.—WOMEN'S CORNER: Mabel France, "Everyday Difficulties,"	W. W. BENNETT (Solo Xylophone).
3.15-3.45.—Talk to Schools: "The Elements	5.30-6.30.—CHILDREN'S CORNER.	"Polacea" Green Orchestra.
of Wireless. Practical Application of Subject Matter of Talks 2 and 3," by	6.30-6.45.—'Teens' Corner: Mr. R. F. Fuller (Birmingham Natural History and Philo-	Selection of Welsh Airs, "The Leck"
Mr. H. J. HINKS (Radio Association).	sophical Society) on " Chile."	BERTRAM LEWIS (Solo Violin).
4.0-5.0.—Time Signal from Greenwich. Con- cert: The " 2LO" Trio and Cyrus Gar-	7.0.—WEATHER FORECAST and NEWS. S.B. from London.	"Gypsy Melodies" Sarasate
side (Baritone). " My Part of the Coun-	Mr. H. G. WAYLING. S.B. from London. Local News.	"Cockney Spite" 4. W. Ketelbey
try," by A. Bonnet Laird. "Great Grandmother as Lady Bountiful," by	Chamber Music.	Pizzicato, "Mandoline Serenade" Disormes
Kathie Herrick. 5.30-6.15.—CHILDREN'S CORNER: Dale	THE EDNA WILLOUGHBY PIANO-	9.30,-WEATHER FORECAST and NEWS, 8.B. from London.
Smith singing songs from "When We	GWENDA EATON (Violin).	British Drama League Lecture Recital. S.B. from London.
Were Very Young, words by A. A. Milne; music by H. Fraser Simson. The	AUDREY EVANS (Violoncello). EDNA WILLOUGHBY (Pianoforte).	Royal Horticultural Society Talk. S.B.
Cloud Lady at the Piano. "The Brave	ANNE THURSFIELD (Contralto).	10.20-10.30.—Programme S.B. from London.
Princess Eleanov," from "My Book of Best Stories from History," by Hazel	7.30. Leonard Gordon.	Total Local Control of the Control o
Phillips Hanshew.	"How Deep the Slumber of the Floods"	5WA CARDIFF. 351 M.
6.40-6.55.—Mr. ERNEST G. BLAKE, M.R.S.I., "Following the Hunt."	" Elegy " Massenet	3.0-4.0.—Falkman and his Orchestra, relayed from the Capitol Cinema.
7.0.—TIME SIGNAL FROM BIG BEN.	"Love Song" Brahms "My Sweet Repose" Schubert	4.45-5.15" 5WA'8" " FIVE O'CLOCKS."
WEATHER FORECAST and 1ST GEN- ERAL NEWS BULLETIN. S.B. to all	Anne Thursfield.	5.15-6.0.—CHILDREN'S CORNER. 6.40-6.55.—Mr. R. Boutflour, B.Sc., Agricul-
Stations. Mr. H. G. WAYLING, M.Sc., "Alchemy."	8.0. Selected Songs, Pianoforte Trio.	tural Organiser for Wiltshire: "The Management of Rations for Dairy Cows."
8.B. to all Stations.	Trio in A Major	7.0. WEATHER FORECAST and NEWS.
Local News.	Keltic Prelude, "Land of Heart's Desire"	S.B. from London. Mr. H. G. WAYLING. S.B. from London.
Popular Night. CHARLES TRUE (Baritone).	Rutland Boughton Edna Willoughby.	Local News. Operatic Evening.
ARTHUR SPENCER (Solo Pianoforte). HARRY EAST (Entertainer).	Scherze in B Flat Minor Chopin Pianoforte Trie.	ENID CRUICKSHANK (Contralto).
PHYLLIS SCOTT (Songs at the Piano).	Two Old English Tunes Roger Quilter "Drink to Me Only"; "Three Poor	LEONARD GOWINGS (Tenor). THE STATION ORCHESTRA:
MOYRA O'KEEFE (Violin). In Comedy Duets,	Mariners."	Conductor, WARWICK BRAITHWAITE.
THE WIRELESS ORCHESTRA:	8.45. Anne Thursfield, Selected Songs.	7.30. Orchestra. Selection, "Manon Lescaut" Puccini-Turon
Conducted by DAN GODFREY, June. 2.30. Orchestra.	9.0. Pianoforte Trio.	Leonard Gowings, "The Poet's Song" ("La Bohème.")
March, "Viviana" Cliff Jewells (1) Overture, "Poet and Peasant" Suppe	Trio in G Major, Op. 20, No. 1 William Fenney	Puecini
Charles True,	Moderate, ma brillante; Andantino, sempre con moto express; Allegro con	"Spirit So Fair" (" La Favorita") Danizetti
"The Wayfarer's Night Song " Martin (5) "West Country Lad" German	moto. Finale from Trio in D Minor, Op. 25	Enid Cruickshank. "Fair Spring is Returning" ("Samson and
Arthur Spencer. "Hungarian Rhapsody," No. 11 Liszt	F. R. Bache	Delilah'') Saint-Sacus
The Orchestra.	9.30.—WEATHER FORECAST and NEWS. S.B. from London.	"The Flower Song" ("Faust") Goodd "Lia's Song" ("The Prodigal Son")
Waltz, "My Pearl" Sydney Burnstead Morceau, "Joy Bells" Sydney Burnstead	British Drama League Lecture Recital. S.B. from London.	Orchestra. Deliussy
(These two items will be conducted by the Composer.)	Royal Horticultural Society Talk, S.B.	Selection, "La Traviata" Verdi
Harry East.	from London. Local News.	Talk: "Stories from the Operas." Leonard Gowings.
" Suspicions "	10.20. Leonard Gordon. "Had a Horse"	"Heaven and Ocean" ("La Gioconda") Ponchielli
Selection, "Decameron Nights" Finck Moyra O'Keefe and Phyllis Scott.	"Shepherd, See Thy Horse's Foaming	"The Flower Song " (" Carmen ") Bizet
"Rock-a-bye Baby "	Mane " Korbay " Trottin' to the Fair " Stenford (1)	Enid Cruickshank. "Habanera" ("Carmen")
"Can't You Spare a Little Love ?" (7)	10.30.—Close down.	"Seguidilla" Carmen
"Ma Dusky Maid." The Orchestra,	6BM BOURNEMOUTH. 385 M.	atore " Verdi
Intermezzo, "In a Kentish Garden"	3.0-3.20.—Service for the Sick : Winifred Ascott (Soprano). Address by the Rev. Father	"Dreams" Wagner
Patrol, "The Wee Macgreegor" Amers	Percival Triggs. 3.45-5.0.—Talk to Women by Miss Doulton-	Prelude and Closing Scene (" Tristan and Isolde") Wagner
"The Sun God"	Edwards, Charles Crayford and Roma	9.30.—WEATHER FORECAST and NEWS.
"Myself When Young" Lehmann	Howard (Entertainers). Thomas E. Il- lingworth ('Cello Solos).	S.B. from London. British Drama League Lecture Recital.
Valse in E	5.0-6.0.—CHILDREN'S CORNER. 6.0-6.30.—Scholars' Half-Hour: "Decorating	S.B. from London, Royal Horticultural Society Talk. S.B.
Harry East (with Orchestra). * My Poultry Farm."	the Home-Other Trimmings," by Alma	from London. Local News.
The Orchestra. Selection, "Battling Butler" Braham	Faulkner. 6.30-6.35.—Station Talk by Bertram Fryer	10.20. Orchestra. "The Ride of the Valkyries" Wagner
9.30.—TIME SIGNAL FROM GREENWICH.	(Station Director). 7.0.—WEATHER FORECAST and NEWS.	10.30.—"MAX CHAPPELL'S LONDON CHOREANS IN BAGHDAD" (Oriental
WEATHER FORECAST AND 2ND GENERAL NEWS BULLETIN. S.B.	S.B. from Loudon.	Dance Music), relayed from the Bute
to all Stations. British Drama League Lecture Recital,	Mr. H. G. WAYLING, S.R. from London, Local News.	Rooms, Cox's Café. *11.30.—Close down.
"Shakespeare and His Theatre."	7.30-8.0 Interval.	2ZY MANCHESTER. 375 M.
S.B. to all Stations. The Week's Work in the Garden, by the	Winter Gardens Night, THE MUNICIPAL ORCHESTRA:	3 0.3 30. Music relayed from the Piccadilly
Royal Horticultural Society, S.B. to other Stations.	Conductor, Sir DAN GODFREY. ROBERT CHIGNELL (Vecalist).	4.0-4.30. Picture Theatre, (Conductor, Stanley E. Mills.)
Local News.	Relayed from the Winter Gardens.	3.30-4.0.—Broadcast for Primary Schools : Mr.
10.20. The Orchestra. Overture, "The Pirates of Penzance."	8.0. Orchestra. Marco, "Admiyals All" Hubert Bath	H. B. Brenan, B.A., "King John."
10.30.—Close down.	"A Military Overture" John Ansell "Wiltz on Irish Airs" Bucalossi	A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 255.

WIRELESS PROGRAMME—WEDNESDAY (Feb. 4th.)

WIRELESS IN	CONAMNIE WE	DIVLODA I ()
The letters "8.8." printed in itsiles in these programmes signity a Simultaneous Broadcast from the station mentioned. 4.30.5.0.—WOMEN'S HALF-HOUR. George Bond (Baritone). 5.0.6.0.—CHILDREN'S CORNER. 6.30.6.55.—Walter Emsley: Reading from his own Poems in the Lancashire Dialect, 7.0.—WEATHER FORECAST and NEWS. S.B. from London. Mr. H. G. WAYLANG, S.B. from London. Local News. Orchestra, Violin, and Humour. MARJORIE HAYWARD (Solo Violin). VICTOR SMYTHE IN AN "ALGY" SKETCH. THE "ZZY" ORCHESTRA. Overture, "The Wanderer's Goal" Suppe Intermezzo, "Moontime" Collins "Selection of Harry Lauder's Songs" are, Warrick Williams (7). 7.55. Marjorie Hayward. "Air" Parcell-Lombert "Largo" from "Berenice" "Largo" from "Berenice" "Largo" from "Berenice" "Largo" from "Berenice" "Admiral's Galliard" "America Bying Received, "Raby's Opera" Bying 8.37. "Flurban (1). String Piece, "Far From the Ball" Gillea Selection, "Raby's Opera" Bying 8.37. "Victor Smythe. An "Algy "Sketch R. Gay Recece Orchestra. Selection, "La Gran Via" Valverde, art. Finck 9.5. Marjorie Hayward. 8.5. Song of Meditation" Cottenet "The Dove" (Old Welsh Air) Greekers. Selection, "San Toy" Stanford (1). "Canzonetta" d'Ambrosie "Irish Reel" Stanford (1). Orchestra. Selection, "San Toy" Receital S.B. from London. British Drama League Lecture Recital S.B. from London. British Drama League Lecture Recital S.B. from London. British Drama League (Soprano) Scotish Songs. 5.15.60.—CHILDREN'S CORNER. 6.0-5.20.—Scholars' Half-Hour: Mes. W. M. Rixham, "Types of Swiss Life." Selection Septet. Katherine Maclellan, "The Fisher Folk of Sir Walter Scott's Novels." Isobel Spence (Soprano)—Scotish Songs. 5.15.60.—CHILDREN'S CORNER. 6.0-5.20.—Scholars' Half-Hour: Mes. W. M. Rixham, "Types of Swiss Life." O—WEATHER FORECAST and NEWS. S.B. from London. Mr. H. G. WAYLING. S.B. from London. Local News. Operatic Selections. Conductor,	8.25.—Speeches by Brevet-Col. ERNEST ROBINSON, O.B.E., T.D., D.L., Officer Commanding Tyne Electrical Engineers, and Lieut. General Sir HUGH 8. JEUD. WINE, K.C.B., K.B.E., Director-General of the Yerritorial Army, on the occasion of the Annual Distribution of Prizes, Tyne Electrical Engineers, R.E. Relayed from the Empress Ball Room, Whitley Bay. 9.0. Orchestra. Ballet Music. "William Tell " Rossini Overture, "The Poacher" Letting 9.30.10.30.—Programme S.B. from London. 2BD ABERDEEN. 495 M. 3.30.4.45.—The Wireless Saxtet. Winifred McLeod (Contralto). Feminine Topics. 5.15-5.45.—CHILDREN'S CORNER: Auntic Alice makes merry at the Piano. 7.0.—WEATHER FORECAST and NEWS. S.B. from London. Mr. H. G. WAYLING. S.B. from London. Local News. Popular Night. JOHN HUNTINGTON (Baritone). JEROME MURPHY (Entertainer). THE WIRELESS ORCHESTRA. 7.30. Orchestra. Overture, "Humours of Donnybrook" "Unavailing Little Lady" Phillips "A Ballynner Ballad" Phillips "A Ballynner Ballad" Phillips "A Ballynner Ballad" Phillips "A Ballynner Ballad" Phillips "A Good Roaring Fire" (3) 8.0. Orchestra. Orchestra. Orchestra. Selection. "The Grand Duchess" Offenback 8.15.—VERSE SPEAKING ASSOCIATION. S.B. from Glasgow. 4.45. John Huntington. "Day Dreams" ASSOCIATION. S.B. from Glasgow. 4.56. John Huntington. "A Good Roaring Fire " 8.15.—VERSE SPEAKING ASSOCIATION. S.B. from Glasgow. 4.56. John Huntington. "Day Dreams" Association. "Day Dreams" Associati	8.55. Jerome Murphy. "Nora Carew" Jenner Recitation, "The Old Bog Road" Brogston "The Sailor Man" (Songs of the Glens of Antrim) 9.5. John Huntington. "West Country Lad" Jenner H. Live's Country Lad" German "Little Grey Home in the West" Lohr 9.20. Oversture, "The Merrymakers" Coutes S.B. from London. British Drama Lesgue Lecture Recital. S.B. from London. British Drama Lesgue Lecture Recital. S.B. from London. Local News. 10.20. Jerome Murphy. Foz (25) "The Park Haired Girl" arr. Hughes (1) "Beartiful City of Sligo" Stanford (1) 10.30.—Close down. SSC GLASGOW. 420 M. 3.30.40.—Roadcast to Schools. 4.0.5.10.—The Wireless Quartet: Retty Wilson (Soprano). Afternoon Topics. 5.15.60.—CHILDREN'S CORNER. 6.0.6.5.—Weather Forecast for Farmers. 6.40.6.55.—Allan Mainds, "Painting." 7.0.—WEATHER FORECAST and NEWS. S.B. from London. Mr. H. G. WAYLING. S.B. from London. Local News. Request Night. CARMEN HILl. (Soprano). MARJORY GULLAN'S VERSE SPEAKING CHOIR. THE STATION ORCHESTRA. Conducted by ISAAC LOSOWSKY. 7.30. Selection, "San Toy" Jones Suite, "The Merchant of Venice" Hosse Prelude; Intermezo., "Portia"; Ociental March; Prelude: Doge's March. Waltz, "The Merchant of Venice" Hosse Prelude; Intermezo., "Portia"; Ociental March; Prelude: Doge's March. Waltz, "The Mercy Widow" Lehar. 8.15. SCOTTISH ASSOCIATION FOR THE SPEAKING OF VERSE. S.B. to Aberdeen. Miss GULLAN will speak on "How to Listen to Poetry" (With Illustrations). Illustrations. "My Love" Burps. "She Dwelt and part of "The Ode of Intimations" Wordsworth Part of "The Cloud" Shelloy Part of "The Cloud" Shelloy Part of "The Cloud" Shelloy Part of "Babli Ben Erra" Broweing First few verses, "Super Flumina Babylonis" and "Baby" New Sienburne The Bible, "Isainh," Chap. 55. Scottish Version of Psalm 23. Prose, A Passage from "The Pilgrim's Progress." 4.5. Orchestra. Potpourri, "Melodious Memories" Finck Carmen Hill. 8.6. Carmen Hill. 8.7. Orchestra. Potpourri, "Relodious Memories" Finck Carmen Hill. 8.8. London. 1.0. Orchestr
8.15. Orchestra. Massenet.	"HENRY VIII," Sullivan. This item is published by Metzler & Co. (1920), Ltd., 142, Charing Cross Road, London, W.C.2.	A number against a musical item indicates the name of its publisher. A key list of publishers will be found on this page.
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THE CHILDREN'S CORNER. CONDUCTED BY THE AUNTS AND UNCLES,

Insects That Disguise Themselves.

HULLO, children! Did you know that some insects play games of make-believe? Here is an interesting talk by M. Catherine Wiens that tells you about some of them.

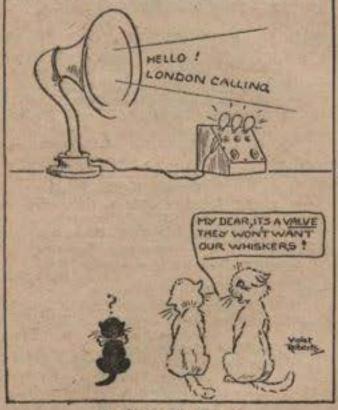
One day, as I was sitting on a bit of common land, with purple clumps of heather all about me, I noticed two tiny grey spots on my shoe. At first, I thought they were small pieces of lichen that had broken off from the heather stalks as they brushed against my foot. Then there seemed to be something rather queer about them, for one of them began to move. I looked hard and, sure enough, it was lichen, and although I knew what a curious little plant it was, nobody had ever seen it walk before. So I determined to examine this mystery more closely.

A Useful Pair of Pincers.

There was a tiny insect underneath the lichen! It was a long narrow little creature, almost transparent, and rather the colour of a shrimp before it is cooked. It had the usual six legs, which took it along quite fast, especially as its tail seemed to give some assistance too, when the ground over which it walked was difficult or rough. But the surprising part was the pincers in front of its face, sticking out below the feelers. I soon found why it had these, because I took a pin and tried to lift some of the grey lichen off its back. Some came off easily, but it got rather angry and would not let me take it all away. However, I had seen enough, for it seemed that the insect had quite long spiky hairs on its back, which held the lichen on.

Well, I left some of the liehen on the pin and placed it near the insect. It caught sight of its lost garments in a moment and at once set to work to put them on again, bit by bit, with the aid of those useful pincers. It lost no time over it either; perhaps it felt cold. Looking very closely, I could just see a sticky thread

hanging from the bits of lichen it was lifting on to its back. So, you see, it was not running any risks; it made gluey threads to stick it on, as well as having long hairs on its back. I wish I could show you how deftly it caught hold of the lichen and how it bent the front part of its body right back over itself in order to place it on the right spot. And as it doubled back, its



No Cause for Alarm.

tail went up in sympathy; or, probably, it would be more correct to say that that was how it kept its balance.

Now I have told you all this in detail to show you one of the ways in which creatures protect themselves, by pretending they are something else. It is called "Protective Mimiery" and is one of the most fascinating of Nature's tricks.

And this reminds me of the cunning ways of the grubs of our beautiful Lacewing Flies. These are exquisite insects, like tiny fairies, with golden eyes, very slender bodies and the most delicate of green wings, Perhaps you have seen their tiny eggs, hanging by fine threads from the underside of the rose leaves. Isn't this a funny place to find eggs?

Enemies of the Greenfly.

When they are batched, they eat up the eggshell, which is very nice and tidy of them. Then they look about to see if they can find any little brothers and sisters not yet hatched and they gobble them up too; and this is not at all nice of them. We should call them cannibals, I fear. But after that they turn their attention to other game and you can guess what that is, since their home is on a rose-bush-Greenfly, one of the garden's worst enemies.

As the grubs move along the leaves, waging horrible war on the armies of Greenfly, they pile the empty skins of their victims on to their backs, and actually pretend they are just tiny rubbish heaps of skins! And, of course, that is an excellent scheme, because otherwise, no doubt, the birds would soon see the tempting fat grubs with their sharp eyes and make short work of them.

Then there are the Ladybirds, too, who are terrible enemies of the poor Greenfly.

When the tiny grubs hatch out, they lose no time, but start taking their meals off the Greenfly right away. They are horribly greedy, like the Lacewings, and like these, they also pile the skins on their little backs, so that the birds shall not catch sight of them and swoop down and gobble them up. The Ladybird grub is very careful altogether, for it does not rely entirely on the protection from its coat of skins; its own skin is so tinted as to imitate the colour of a twig and it is covered with spots.

So that is how three of our insects have learnt to protect themselves from harm, by playing the game of pretending.

CATCHING THE CALIPH.

By LANGFORD REED.

"HERE must

children who

are quac-

quainted with

the "Arabian

Nights" stories,

which were

told, night

after night, for

a thousand

nights, by the

beautiful Sche-

hera ade to

the illustrious

Caliph of Bag-

dad, Haroun Al

Raschid. I

expect you

pantomime ver-

sions of two

of the stories,

be few



They fell on their knees in terror.

"Aladdin and and "The Forty the Wonderful Lamp," Thieves," more than once.

There was another Caliph of Bagdad who was, also, fond of stories. His name was Mustapha Ben Nana, and he was an ugly little fat man.

But Mustapha had no Scheherazade to make them up for him, and no "wireless" to help him, such as a modern Caliph might rely upon. In despair, he sought the advice of Grindbad, his vizier, or chief officer of State, who reminded him that several good stories were obtained by the Caliph Haroun as he walked with his vizier through the city in dis-

"That's a good idea, Grindbad," remarked the Caliph, amiably.

Accordingly, after dinner, the pair, disguised as merchants, set out upon their adventure and, at a street corner, came upon two men quarrelling.

"I tell you, Hassan, it's very simple," cried one, "and that's the only way to describe it."

"You're a donkey, Selim," retorted the other, "anyone who has ever seen it must agree that it is simply awful!"

"I must know the reason for those remarks, Grindbad," said the Caliph, "I feel sure there's a story behind them. Bring those fellows before me to-night, after supper, and we will hear it." But when the two men were brought before

Mustapha, they fell on their knees in terror.

"Forgive us, O Great One!" they cried, "We meant no harm."

"I shall be able to judge of that when I have heard your story," said the Caliph, sternly. The wretched men groaned, and Hassan began as follows :-

"When Your Sublimity encountered his unworthy slaves this evening we were-we-were -er-discussing Your Highness and-and-"

not displeased, for in his conceit he foresaw a compliment, "what said you about me?"

"I-I am c-coming to it, O Excellence," continued the trembling Hassan; "well, this stupid Selim got excited and-

"Believe him not, O Magnificence," interrupted Selim, "if he had not lost his head---"You'll both lose your heads if we have any

more interruptions," broke in the Caliph, grimly. "Continue, Hassan."

"It was your august countenance, O Great One, that your slaves so far forgot themselves as to discuss. This donkey, Selim, would have it that it did not show the boundless wisdom of your mind and that it was awfully simple. I disagreed, I-I-said that it was-er-er-

"This stupid fellow said it was simply awful, Your Magnificence," exclaimed Selim, "and that was the whole cause of the dispute."

The Caliph turned purple with rage. "Of all the stupid stories!" he cried, "It is fortunate for you I have sworn not to harm you, or you should both die by the Torture of the Thousand and One Tickles. Go away and never let me see your silly faces again."

The two men made haste to depart, and the Caliph, turning to Grindbad, exclaimed :-

"This is your fault for advising that stupid adventure. See to it that a story-teller is in attendance to-morrow night, with something interesting to tell, or your own life shall pay the penalty."

How Grindbad carried out these instruc-"Proceed, my good fellow," said the Caliph, tions I will relate upon a future occasion.

WIRELESS PROGRAMME—THURSDAY (Feb. 5th.)

2LO LONDON. 365 M. The letters "S.B." printed in italics in these programmes signify a Simultaneous Broadcast from the station mentioned. 1.0-2.0.—Time Signal from Greenwich. The Week's Concert of New Gramophone Records. 3.15–3.45.—Transmission to Schools: "Children in Dickens—Morleena Kenwigs," by Mr. J. C. STOBART and Mr. R. E. JEFFREY. 4.0-5.0.—Time Signal from Greenwich. "A Trip Along the Mississippi," by Elizabeth Keith Morris. Music performed during Afternoon Tea at the Trocadero. "Tho Art of the Fancy Box," by Elise I. Sprott.
5.30-6.15.—CHILDREN'S CORNER; Miss
Nobody Special. E. Kendal Taylor
(Pianoforte Solos). L. G. M. of the Daily 6.40-6.55.-" The Boy Scout Movement," by The Rt. Hon. Lord HAMPTON. S.B. from Birmingham. 7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and IST GENERAL NEWS BULLETIN. S.B. to all Stations. Mr. ALLENS. WALKER: "Architecture: The Cathedrals of Canterbury, Oxford and Lincoln." S.B. to all Stations. Talk by the Radio Society of Great Britain. S.B. to all Stations. Local News. Military Band Programme. FREDERIC LAKE (Tenor). MARCIA BOURN and LENA COPPING (Comedy Duets). LOIS BARKER and PERCY TARLING "The Grumblers").
THE "2LO" MILITARY BAND. Conducted by DAN GODFREY, Juny. The Orehestra. Overture, "Maximilian Robespierre "Litolff Frederic Lake. "The Mountain Lovers" Squire (1)
"Vale" Russell The Orchestra. Selection, "La Bohème" Puccini Marcia Bourn and Lena Copping. The Orchestra. Suite, "Masearede" ("Merthant of Venice") Sullivan Lois Barker and Percy Tarling An Original Dual Entertainment. Frederic Lake. "O Mistress Mine" Roger Quilter (1)
"Nirvana" Adams (1)
The Orchestra. Persian Dance, "Khovantschina" Moussorgsky Marcia Bourn and Lena Copping. The Orchestra. Selection, "Reminiscences of Ireland" F. Godfrey 9.30. TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S.B. to all Stations. Capt. P. P. ECKERSLEY: Technical Topies. S.B. to all Stations. Local News. 10.0.— THE SAVOY ORPHEANS AND SAVOY

475 M. BIRMINGHAM. 5IT 3.30-4.30 .- The Station Pianoforte Quintet.

Stations.

11.0.- Close down.

HAVANA BAND, relayed from the Savoy Hotel, London. S.B. to all

Enid Cruickshank (Soprano). 5.0-5.30. WOMEN'S CORNER: Dentistry Talk No. 2, " Teeth, Health and Money. Ethel Williams (Contralto).

5.30-6.30.—CHILDREN'S CORNER: Mildred Forster, "Things We Don't Learn at School."

6.30-6.40.—'Teens' Corner: J. Ernest Jones,
"Peeps Into the Past."
6.40-6.55.—'The Boy Scout Movement," by The Rt. Hon. Lord HAMPTON (Commissioner for Birmingham). S.B. to other Stations.

7.0-11.0. Programme S.B. from London.

6BM BOURNEMOUTH. 385 M.

3.45-5.0.—Talk to Women: "Photography," by Miss Penrice. The "6BM" Quintet: Reginald S. Mouat (Violin), Thomas E. Hlingworth ('Cello), Charles Leeson (Piano), H. L. Gibson (Flute), R. G. Somers (Oboe). 5.0-5.55.—CHILDREN'S CORNER.

5.55-6.0.—Boy Scouts' and Girl Guides' Bulletins.

" Some 6.0-6.30. Scholars' Half-Hour : Treasures of the Earth," by W. J. Woodhouse, A.C.P. 6.30-6.39 .- Farmers' Talk: "Seed Oats," by

Mr. H. Hammond Dunn, F.L.S. 6.40-6.55 .- "The Boy Scout Movement," by

the Rt. Hon. Lord HAMPTON. S.B. from Birmingham. 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 News. THE WIRELESS ORCHESTRA:

Conducted by Capt. W. A. FEATHERSTONE, PITT and MARKS (Entertainers). H. J. SHERRING (Solo Banjo). DOREEN McCORMACK (Cockney

Dialogues). HERBERT SMITH (Baritone).

Orchestra. "In a Persian Garden" ... Liza Lehmann Pitt and Marks. "Long Notes and Short Stories." " Duets Up-to-Date." H. J. Sherring.

"Jollity Fox-trot" Joe Morley

Doreen McCormack.

"Christmas Belis" Leelie Harris
"Castles in the Air" M. Broughton
Orchestra. "The Bing Boys on Broadway" Ayer (6)

Herbert Smith. "The Skipper of the Mary Jane" David Richard (1)

"A Sergeant of the Line " W. H. Squire (1)

H. J. Sherring. "Two Country Dances" Cammeyer "The Gay Gossoon" Vess Ossman Pitt and Marks. "Long Notes and Short Stories."

" Duets Up-to-Date."

Orchestra. Selection, "Toni" Hirsch and Jones Doreen McCormack. 9.10.

"Mrs. Greylock on the Play "1 Orchestra.

9.20. A Lightning Switch " Alford 9.30-11.0.—Programme S.B. from London.

351 M. CARDIFF. 5WA

3.0-4.0.—Concert of Gramophone Records. 4.45-5.15.—"5WA'S" "FIVE O'CLOCKS." 5.15-6.0.—CHILDREN'S CORNER. 6.40-6.55 .- Mr. Arthur Short, Deputy Camp.

Chief, will talk to Boy Scouts. 7.0-11.0.—Programme S.B. from London.

375 M. 2ZY MANCHESTER.

11.30-12.30.—Concert by the " 2ZY " Quartet. 4.30-5.0.—WOMEN'S HALF-HOUR. 5.0-6.0.—CHILDREN'S CORNER.

6.40-6.55,--" The Boy Scout Movement," by The Rt. Hon. Lord HAMPTON. S.B. from Birmingham. 7.0.—WEATHER FORECAST and NEWS.

S.B. from London. Mr. ALLEN S. WALKER. S.B. from

London. Radio Society Talk. S.B. from London. Local News.

Vocal and Instrumental Hour.

ANNE THURSFIELD (Contraito). GRANVILLE HILL (Solo Piano).

7.35. Anne Thursfield. Selected.

7.45. Granville Hill. Impromptu in A Flat Schubert
"Lento" ("Pierrot Pieces," No. 1) Scott (1)
"Gardens in the Rain" Debussy

Anne Thursfield. Selected.

Granville Hill. "Fantaisie-Impromptu" Chopin
"On Wings of Song" . Mendelssohn-Lisat "Caprice"

HALLE CONCERT. 8.30-9.30 "THE DREAM OF GERONTIUS."

(Elgar.) Relayed from the Free Trade Hall. Conductor HAMILTON HARTY. Gerontius JOHN COATES
The Angel IVY PHILLIPS The Priest .. JOSEPH FARRINGTON

NEWCASTLE. 5NO

9.30-11.0 .- Programme S.B. from London.

11.30-12.30.—Stella Rutherford (Soprano).

Tilley's Restaurant Orchestra. 3.45-5.15.—Gertrude Pugh (Solo Pianoforte).

Mary Barnes (Elocutionist). Mary Knyvett and Company in "Love Scenes from Shakeupeare.

5.15-6.0.—CHILDREN'S CORNER. 6.30-6.40.-Boy Scouts' and Girl Guides'

Bulletins. 6.40-6.55,-"The Boy Scout Movement," by The Rt. Hon. Lord HAMPTON. S.B. from Birmingham.

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 News.

WILLIAM MACREADY assisted by EDNA GODFREY-TURNER.

In his Recital "SHAKESPEARE, SCENE AND STORY.

Incidental Music by THE STATION ORCHESTRA. Conductor, EDWARD CLARK,
7.35.—"HAMLET"—Hamlet and The Queen,
"MACBETH"—The Dagger and Sleep-

walking Scenes. "KING LEAR "-Lear, Goneril and Regon

"THE MERCHANT OF VENICE The "Bargain" Scene. Shylock and Tubal.

" HENRY V."-The Battle of Agincourt. JOHN HUNTINGTON (Baritone). "The Fishermen

of England " (" The Rebel Montague " Unavailing Maid ") Phillips Little Lady "Day Dreams" · · · · · · · · · · · · · · · · Sawyer

"Pique Dame" Suppe 9.10.

John Huntington. " If I Were " Richards (1)

" If Love's Content " (" Tom Jones ") German

"Little Grey Home in the West" .. Lohr 9.30-11.0.—Programme S.B. from London.

(Continued in col. 3, page 259.)

A number squinst a musical item indicates the name of its publisher. A key list of publishers will be found on page 255.

WIRELESS PROGRAMME—FRIDAY (Feb. 6th.)

The letters "S.B." printed in italics in these programmes signify a Simultaneous Broadcast from the station mentioned. A Popular Programme. THE STATION ORCHESTRA. FLORENCE CLEETON (Soprano). STANLEY FINCHETT (Tenor). LONDON. 365 M. RICHARD MERRIMAN (Solo Cornet).
ALBERT DANIELS
(Entertainer and Child Impersonator). 1.0-2.0.—Time Signal from Greenwich, Concert: The "2LO" Trio and Violet Roberts (Contralto). 3.15-3.45 .- " Eighty Miles at a Gallop Through Orchestra. March, "On the Quarter Deck" ... Alford Entracte, "A Summer Morn" Haines Selection, "The Emerald Isle" the Northern Transvaal," by Miss A. May Greller. 4.0-4.30.—Scholars' Half-Hour. 4.30-5.0.—Organ Music, relayed from Shepherd's Bush Pavilion.
5.30-6.15.—CHILDREN'S CORNER: "Market Day" from "The Wiggley Wessel," by Mabel Marlowe, Songs by Uncle Sullivan and German 8,30. Stanley Finchett. Albert Daniels. Rex. The Wicked Uncle. A Few Impressions and Child Impersona-6.40-6.55.—Ministry of Agriculture's Fort-nightly Bulletin, S.B. to other Stations. tions. Richard Merriman. 7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1ST GEN-"The Resary" Nevin Orchestra. ERAL NEWS BULLETIN, S,B to all PERCY SCHOLES, the B.B.C. Music Critic. S.B. to all Stations. S.B. from London. Local News. Adoratrices; Danse Barbare. Waltz Song, "The Lilac Domino" Popular Classics. London. ENID CRUICKSHANK (Contralto). Local News Cuvillier (6) EDWARD ISAACS (Solo Pianoforte). "Alice Blue Gown' ("Irene") Tierney (3)
"Love's Cigarette" ("A Southern Maid") "QUIPS." THE WIRELESS SYMPHONY Fraser-Simson ORCHESTRA: 9.30.-WEATHER FORECAST and NEWS. Conducted by DAN GODFREY, Juny. S.B. from London. The Orchestra, Tchaikovsky The Rt. Hon. F. D. ACLAND. S.B. from London. Overture, "The Bartered Bride" Smettina
Enid Cruickshank (with Orchestra).
"Where Corals Lie" ("Sea Pictures")
"The Swimmer" ... | Elgur (1) Local News. 10.30.—Close down. Stanley Finchett. 2ZY Edward Isaacs (with Orchestra), Concerto for Pianoforte and Orchestra, No. Theatre. 1 in C Becthoven Orchestra. Enid Cruickshank (with Orchestra). "Divinités du Styx" ("Alcestis") Gluck The Orchestra. 10.30.-Close down. Suite Symphonique, "Scheherezade" Rimsky-Korsakov 6BM BOURNEMOUTH. 385 M. (Solo Violin, S. KNEALE KELLEY.) 9.30.-TIME SIGNAL FROM GREENWICH. 3.0-3.30 .- Educational Talk : "Bygone England—(1) All Sorts and Conditions of
Men," by Mr. Frank Stevens, F.S.A.

3.45-5.0.—Fashion Talk to Women, by Louis de
Meyo. The ROYAL BATH HOTEL
DANCE ORCHESTRA, relayed from
King's Hall Rooms. Musical Director,
DAVID S. LIFF. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN, S.B. to all Stations. Ministry of Health Talk : The Rt. Hon. F. D. ACLAND, Chairman of the Depts! Board, "The Care of the Teeth." S.B. Local News. to all Stations. 5.0-6.0.—CHILDREN'S CORNER. 6.0-6.30.—Scholars' Half-Hour: "Charles Lamb's Essays," by Mr. G. Guest, B.A., Local News. The Orchestra, Overture, "The Marriage of Figaro" Mozart 6.40 6.55 .- Ministry of Agriculture Bulletin. Quips. "The World in Anecdote-No. 8, Love's S.B. from London. Laughter. 7.0-10.30.—Programme S.B. from London, The Orchestra. Symphonic Poem, "Les Préludes" ... Liszt 5WA CARDIFF. 351 M. 8.0. 10.30.-Close down. 3.0-3.30.—School Transmission. 3.30-4.0.—The Station Trio. 4.45-5.15.—"5WA'S" "FIVE O'CLOCKS." BIRMINGHAM. 475 M. SIT Orchestra. 3.30-4.30.-Lozells Picture House Orchestra. 5.15-6.0.—CHILDREN'S CORNER. Eva Bailes (Dramatic Recital). 6.40-6.55.-Ministry of Agriculture Bulletin. S.B. from London. 5.0-5.30. WOMEN'S CORNER: Harold 7.0.-WEATHER FORECAST and NEWS. Baker, F.R.P.S., "Queen Elizabeth and S.B. from London. PERCY SCHOLES. S.B. from London. Her Court."

5.30-6.30.—CHILDREN'S CORNER.

6.30-6.40. - Teens Corner: Cyril Midgley, B.Sc., F.R.G.S., "Travellers' Tales-(9), With Columbus to America."

6.40-6.55.-Ministry of Agricultura Bulletin. S.B. from London.

7.0.-WEATHER FORECAST and NEWS. S B. from London. PERCY SCHOLES. S.B. from London.

Local News. 7.30-8.0 -SPANISH LECTURE, relayed from the Cosmopolitan Club: Mr. R. J. CONROY (Lecturer in Spanish at the Birmingham University), "La Grandeza de la Literature Espanola."

Instrumental Music. MARJORIE HAYWARD (Solo Violia). THE STATION ORCHESTRA: Conductor, WARWICK BRAITHWAITE.

7.30. Orchestra. Selection, " Romeo and Juliet"

Local News.

Gownod-Tavan Marjorie Hayward. Concerto in E Major, No. 2 Bach Orchestra. "Hymn to the Sun" ... Rimsky-Korsakov " In the Silence of the Night '

Rachmoninge

Marjorie Hayward. "Chanson Méditation" Cottence
"Rosamund" ("Where the Rainbow
Ends") R. Quitter (4)
"Bohemian Dance" Smetana-Ondricek 8.30.—Mr. J. MORGAN LLOYD, University College: "Some Welsh Musicians of the Nineteenth Century," with Illustrations. TOM E. ELLIS. Songs by Welsh Composers.

DAN MATTHEWS, Pontardulais,
Recitation, "Billy" Ltynfi
DILYS JONES-THOMAS.
Selected Songs E. T. Davies
Mr. W. J. GRUFFYDD, University College; "Welsh Literature."

Tom F. Fills Tom E. Ellis. Songs by Welsh Composers, Dan Matthews. Recitation, " Rhai o sonedau ac englynion " R. Williams-Parry Dilys Jones-Thomas. Welsh Folk Songs. 9.30.—WEATHER FORECAST and NEWS. The Rt. Hon. F. D. ACLAND. S.B. from BERNARD ALBERT (Syncopated Pianist).
"Pianola" Westphal (9)
"Putting on the Dog" Shafirs (9)
"My Pet" Stringers" Confrey (9) "Greenwich Witch" MANCHESTER. 375 M. 12.30-1.30.—Organ Music by H. Fitzroy Page, relayed from the Piccadilly Picture 3.0-3.30. Concert by the " 2ZY " Quartet. 3.30-4.0.—Broadcast for Secondary Schools (Seniors): Mr. Edward Cressy on "Books of My Youth." 4.30-5.0.-WOMEN'S HALF-HOUR : Joans Wilkinson (Mezzo-Contralto), 5.15-6.0.—CHILDREN'S CORNER. 6.40-6.55.—Ministry of Agriculture Bulletin. S.B. from London. 7.0.-WEATHER FORECAST and NEWS. S.B. from London, PERCY SCHOLES. S.B. from London. Request Night. LEONARD GOWINGS (Tenor). "US" (Entertainers).
THE "2ZY" ORCHESTRA.
Orchestra.

Foulds. " A Child's Suite " Lardelli Leonard Gowings. "Gather Ye Rosebuds" Sanderson
At Dawning " C W. Cadman (1)
"Charming Chloe " 4 E. German (11)

"In a Monastery Garden" ... Ketelbey (8)
Selection, "Pagliacci" Leonegratto
String Piece, "By the Sea-side" Dunkter
Leonard Gowings.

"Phyllis Has Such Charming Graces" arr. Lune Wilson (1)

"Tired Hands" W. Sanderson (1)
"The English Rose" E. German Orchestra.

9.30.-WEATHER FORECAST and NEWS. S.B. from London.

The Rt. Hon. F. D. ACLAND. S.B. from London. Station Director's Talk.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 255.

Local News.

Thursday's Programme.

WIRELESS PROGRAMME—FRIDAY (Feb. 6th.)

WHITELEDD E HOGELE	TABLES & ALADA A	(Continued from page 257.)
The letters "S.B." printed in italics in these programmes	An Evening with the Composer, Purcell.	2BD ABERDEEN. 495 M.
signify a Simultaneous Broadcast from the station mon-	THE "2BD" OPERATIC CHOIR.	3.30-5.0.—The Wireless Sextet, Barrie Watt (Soprane), Feminine Topics,
10.5. Leonard Gowings.	THE WIRELESS ORCHESTRA: Conductor, ARTHUR COLLINGWOOD.	5.30-6.0.—CHILDREN'S CORNER.
"To Daisies" It. Quilter (1) "O Lovely Night" Landon Ronald (5)	7.30. Orchestra.	6.15-6.30,—Boys' Brigado Bulletin: Col Edward W. Watt, Battalion Vice-Presi-
10.15. A Short Entertainment by "US."	Incidental Music to "Dido and Æneas" (14) 8.0. Choir.	dent, on "How the B.B. Helps the Boy."
10.30.—Close down.	"KING ARTHUR."	6.40-6.55. Mr. Charles Davidson, M.A., Topical Talk. S.B. to other Stations.
5NO NEWCASTLE. 400 M.	9.0. Orchestra, "King Richard the Second" (14)	7.0-7.30.—Programme S.B. from London.
3.45-5.15.—Jack Mackintosh (Solo Cornet). Martin Henderson (Solo Concertina).	9.30WEATHER FORECAST and NEWS.	Scottish Night. CARMEN HILL (Sopreno).
James Mark (Solo Violin).	S.B. from London, The Rt. Hon. F. D. ACLAND. S.B. from	THE "2BD" REPERTORY
5.15-6.0.—CHILDREN'S CORNER. 6.0-6.30.—Scholars' Half-Hour: L. Orauge,	London.	PLAYERS. THE WIRELESS ORCHESTRA.
B.Sc., F.I.C., M.B.E., " Poisons-Their	Local News. 10.0. Orchestra.	7.35. Orchestra.
Use and Abuse." 6.40-6.55.—Ministry of Agriculture Bulletin.	Selection, "The Naughty Princess"	Selection, "The Thistle"Myddleton 7.45. Carmen Hill.
S.B. from London.	Selection, " The Kiss Call " Caryll	"Robin Adair"
7.0.—WEATHER FORECAST and NEWS. S.B. from London.	March, " Triumph of Right " Lovell (1)	"The Bonnie Banks o' Traditional Loch Lomord" (25)
PERCY SCHOLES. S.B. from London.	10.30.—Close down.	"Jock o' Hazeldean "
Local News. By the Glowing Embers.	SSC GLASGOW. 420 M.	7.55. "JOHN MePHAIL." A Play in Scots by Arthur Black.
CARMEN HILL (Mezzo-Soprano).	3.30-4.0.—Broadcast to Schools,	Scene, A Modern Sitting Room.
ADELINA LEON (Solo Violoncello). THE STATION ORCHESTRA.	4.0-5.10.—The Wireless Quartet. Elsie Roberts (Contralto). Afternoon Topics.	Time, Present Day. 8.30. Orchestra.
Conductor, EDWARD CLARK.	5.15-6.0.—CHILDREN'S CORNER.	March, "London Scottish" Haines
7.30. Orchestra. March, "Messengers' Love" Borel-Clerc	6.0-6.5.—Weather Forecast for Farmers.	March, "The Bonnie Blue Bonnets" de Ville Waltz, "Queen of the North" Bucalossi
Selection, "A Country Girl" Monekton	6.40-6.55.—Ministry of Agriculture Bulletin, S.B. from London.	8.50. Carmen Hill.
7.50. Carmen Hill.	7.0.—WEATHER FORECAST and NEWS.	"The Auld Hoose"
" Four by the Clock "	S.B. from London. PERCY SCHOLES. S.B. from London.	"Comin' Thro' the Rye"
"Loveliest of Trees"	Local News.	"Scottish Dances"arr. Cole (36)
8.0. Adelina Leon.	7.30-8.20. Pianoforte Lecture Recital by PROFESSOR TOVEY,	9.15. Carmen Hill. "The Four Maries" "John Anderson, My Traditional (25)
Arioso	CP 10 45 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	"John Anderson, My Traditional (25)
Poem Fibich Popper	Variations on 'Our Silly Towns-	9.30-11.0,—Programme S.B. from London.
8.10. Orchestra.	folk " Mozart Fantasia in C Minor Mozart	SSC GLASGOW. 420 M.
Suite from "Lakme" Delibes Terana; Rektah; Persian; Coda.	Sonata in C Minor	3.30-4.50.—The Wireless Quartet. Reginald
8.20. Carmen Hill.	Old Favourites.	Tafbot (Baritone). Afternoon Topics.
Negro Spirituals	THE STATION ORCHESTRA.	5.15-6.0.—CHILDREN'S CORNER. 6.0-6.5.—Weather Forecast for Parmors.
"Swing Low, Sweet Chariot."	Conducted by HERBERT A. CARRUTHERS.	6.40-6.55.—Mr. Charles Davidson, S.B. from
8.30. Adelina Leon. Londonderry Air	8.20. SAM HEMPSALL (Tenor). Orchestra.	Aberdeen. 7.0-7.30.—Programme S.B. from London.
Serenade Hubert	Overture, "The Mikado" Sullivan	7.35-8.0. ADELINA LEON (Violoncello
B.45. Orchestra.	Symphony in G Major (" The Military ") Haydn	Recital).
" Invitation to the Dance " Weber 9.0. TILLEY'S DANCE ORCHESTRA.	8.45. Sam Hempsall.	Sonata
(ARTS BALL.)	"My Dreams" Tosti "Mary" T. Richardson (34)	AirPergolese -
Relayed from The Grand Assembly Rooms, Barras Bridge.	"Eileen Alannah " Old Irish	Minuet
9.50WEATHER FORECAST and NEWS.	8.57. Orchestra. Suite, "The Miracle" Humperdinck	TarantelleSquire
S.B. from London. The Rt. Hon. F. D. ACLAND. S.B. from	Prelude; Procession and Children's	Londonderry AirO'Connor Morris Spanish DancePopper
London. Local News.	Dance; Banquet Scene and Nuns' Dance; March of the Army and Death	Entr'acte and Humour.
Station Director's announcements of next	Melody; Christmas Scene and Finale, Act I.	JEROME MURPHY (Entertainer),
week's chief events. 10.0. Tilley's Dance Orchestra.	" La Cinquantaine " Gabriet-Marie	THE STATION ORCHESTRA:
10.30.—Close down,	9.30.—WEATHER FORECAST and NEWS. S.B. from London.	HERBERT A. CARRUTHERS. 8.0. Orchestra.
2BD ABERDEEN. 495 M.	The Rt. Hon. F. D. ACLAND. S.B. from	"Silver Fingers " Mullory (1)
3.30-5.0.—School Transmission: Mr. Harry	Local News.	Entractes "Tiny Tot" Fisher and Lotter
Townead, M.A., on "Art." Mr. Willan Swainson, "What Music Is and How to	10.0. Sam Hempsall.	"Golden Sand " Finck
. Understand It." Mr. F. Mordaunt, "Everyday Life in Athens." The Wire-	"Come into the Garden, Maud" Balfe "The Trumpeter" J. Airlis Dix (1)	8.20. "Valley of Roses"Ancliffe Jerome Murphy.
less Sextet. Feminine Topics.	" Nirvana" Stephen Adams (1)	Music and Humour,
5.15-6.0.—CHILDREN'S CORNER: Play, "The Goose Girl," arranged by Flora	10.12. Orchestra. Overture, "Stradella" Flotow	8.35, Orchestra.
Cameron.	Caucasian Sketches Ippolitov-I canov	Marsden (8)
6.0-6.15.—Football Corner, conducted by Peter Craigmyle.	"In the Mountains"; "In the Village"; "In the Mosque"; "Procession of the	Entractes "An Evening Song " Haydn Wood
6.20-6.30 Advisory Corner, under the aus-	Sirdar." " Dancing Doll "	"Mecea" Howgill
pices of the North of Scotland Agricul- tural College, conducted by Don G.	Selection, " The Street Singer "	8.55. "Reconciliation " Fletcher
Munro, B.Sc.	Three Dances, "Nell Gwyn" German	In Songs and Humour.
6.30-6.40.—Agricultural Notes. 6.40-6.55.—Mr. George Jarvis, F.B.E.A., Presi-	Country Dance; Pastoral Dance; Merry-	9.10. Orchestra.
dent of the Aberdeen Esperanto Society,	makers' Dance. March, "Rustic Revels" Lincke	" Dreaming " Haydn Wood " Wedgwood Blue " Ketelbey
on "Esperanto." 7.0.—WEATHER FORECAST and NEWS.	11.C —Close down.	Entractes "Gallantry" Ketelbey
S.B. from London.	A number against a musical item indicates the name	Ameri
PERCY SCHOLES. S.B. from London. Local News.	of its publisher. A key list of publishers will be found on page 255.	9.30-11.0.—Programme S.B. from London.
	The state of the s	

7.30.

The Lord Mayor's Distress Fund Concert.

Relayed from the Town Hall.

THE STATION

AUGMENTED ORCHESTRA:

Conductor, JOSEPH LEWIS. EMILY BROUGHTON (Soprano).

ALICE VAUGHAN (Contralto).
GEOFFREY DAMS (Tenor).
JAMES HOWELL (Bass).

NIGEL DALLAWAY (Solo Pianoforte).

MARJORIE HAYWARD (Solo Violin).

PERCY EDGAR (Entertainer).

Orchestra.

Gilbert and Sullivan

Overture, "The Pirates of Penzance"

WIRELESS PROGRAMME—SATURDAY (Feb. 7th.)

The state of the s		
The fetters "S.B." printed in Italies in these programmes signify a Simultaneous Broadcast from the station mentioned.	James Howell. Toreador's Song ("Carmen"), Bizet Marjorie Hayward.	(Elsie, Prince Henry, Scene 5.—Ursula's Cot
2LO LONDON. 365 M. 4.0-5.30.—Time Signal from Greenwich. The	Gavotte in E Bach Saraband and Tambourin Leclair	(Ursula and a Choral E 9.30-12.0.—Programme S.1
Wireless Octet, and Alice Toothill and Elaine Sinclair (Duets). Teignmouth Shore (Entertainer). "Some Aspects of	Orchestra. Suite, "Peer Gynt," No. 1 Grieg "Morning"; "Anitra's Dance"; "Death	5WA CARDIF 3.0-4.0.—Falkman and his
China (3), by Mrs. Stan Harding. A Garden Chat, by D. Eardley-Wilmot. 5.30-6.15.—CHILDREN'S CORNER: Music	of Ase"; "In the Hall of the Mountain Kings."	from the Capitol Ci 4.45-5.15,—" 5WA'S " " F 5.15-6.0.—CHILDREN'S C
by the Octet. Edith Young. The Ran- dolph Children's Fireside Tales (1).	8.15. Emily Broughton. "Elizabeth's Greeting" ("Tannhäuser") Wagner (11)	6.40-6,55.—Mr. G. C. S. "Wild Birds of W
Children's News. 6.40-6.55.—Capt. I. CHALMERS, "Sailing Ships Tried and Untried."	Percy Edgar, Recitals, Grave and Gay, Geoffrey Dams.	7.0.—WEATHER FOREC S.B. from London,
7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and IST GENERAL NEWS BULLETIN. S.B.	"Onaway, Awake, Beloved" ("Hiawatha") Coleridge-Taylor (11)	Topical Sports Talk. Local News. KINGSLEY LAI
to all Stations. Capt. H. G. MANSFIELD, late of the	Nigel Dallaway and Orchestra. Two Movements from Pianoforte Concerto in E Major Moszkowski	G. F. WIDMAN THE CATTERAL
Royal North West Mounted Police. "Our Friends the Huskies." S.B. to Aberdeen. Local News.	Slow; Finale. 8.55. Alice Vaughan. "Oh, Love, From Thy Power" ("Samson	THE STATION Conductor, WARWIC 7.30. The Spirit o
ROBERT CARR presents "THE GEORGIANS":	and Deli'ah")	(Dickens, born F Orches
VIOLET WENDERBY (Soprano); GERTIE VINCENT (Comedienne);	In Impressions. Marjorie Hayward. "Rosamund" ("Where the Rainbow	Overture, "The Cricke G. F. Wi
DOROTHY HOLDEN (Pianiste); FRANK THORDEN (Entertainer); HARRY HEARNE (Comedian);	Ends ") Roger Quilter (4) Scherzo-Tarantelle Wieniawski Orchestra.	Some Dickens' Characte Bill Sikes—Mr. Mi Carton."
ROBERT CARR (Baritone). THE WIRELESS ORCHESTRA: Conducted by DAN GODFREY, Junr.	Overture, "William Tell" Rossini 9.30-12.0.—Programme S.B. from London.	Selected. Kingsley Orches
7.30. The Orchestra. March, "Distant Greeting" Doring	6BM BOURNEMOUTH. 385 M. 3.45-5.0.—Talk to Women: "Gardening," by	Overture, "Barnaby G. F. Wi
Overture, "Mirella"	George Dance. The Orpheus Trio: H. L. Gibson (Flute); R. G. Somers (Oboe); Charles Leeson (Piano).	"The Flight of Little Copperfield"). 8.25. Suites, Songs, a
Waltz, "Klytemnestra" Lotter Selection, "Catherine", Tchaikovsky Spanish Ballet Desormes	5.0-6.0.—CHILDREN'S CORNER. 6.0-6.30.—Scholars' Half-Hour: "Great Rivers of the World," by A. Barraclough, M.A.,	Quartet in G (K.V. No Canzonetta
More Merry Moments with the Georgians. The Orchestra. "The Night Patrol"	F.R.G.S. 7.0.—WEATHER FORECAST and NEWS.	Suite, "Chelsea China
Intermezzo, "In a Persian Market" Ketelbey 9.30.—TIME SIGNAL FROM GREENWICH.	S.B. from London. Mr. W. TRAYNER: "The Lion—His Place in Nature."	Selected. Kingsley Catterall C
WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S.B.	Local News. 7.30. "The Golden Legend."	Adagio Quartet in F Scherzo Quartet in F Polka
to all Stations. Major L. R. TOSSWILL, "Modern Forward Play and our Chances Against Ireland."	(Relayed to "5XX.") Adapted from the Poem of Longfellow by Joseph Bennett.	"Moorish Dance" "Shrine in the Wood
S.B. to all Stations. Local News. 10.0.—THE SAVOY ORPHEANS, SAVOY	Set to Music by Arthur Sullivan (11). Elsie EDYTHE KINCH (Soprano) Ursula GLADYS JAMES (Contralto)	"The Singing Stream 9.30-12.0.—Programme S.B
HAVANA BAND, AND SELMA FOUR, relayed from the Savoy Hotel, London.	Prince Henry GWYNNE DAVIES (Tenor) Lucifer ROBERT MOTT (Bass)	2ZY MANCHEST 3.30-4.30.—Concert of Gran
S.B. to all Stations. 17.0.—Close down.	THE WIRELESS ORCHESTRA: THE "6BM" CHOIR: Conducted by	4.30-5.0.—WOMEN'S HAI 5.0-6.0.—CHILDREN'S CO 7.0.—WEATHER FOREO
5IT BIRMINGHAM. 475 M. 3.30-4.30.—Children's Concert. 5.0-5.30.—WOMEN'S CORNER: Nora M.	Capt. W. A. FEATHERSTONE. Prologue—The Spire of Strasburg Cathedral. Night and Storm. Lucifer, with	S.B. from London. Mr. F. STACEY LINT on Sport. Local Ne
Barnett, B.A., "Superstitions." Joan Maxwell (Soprano). 5.30-6.30.—CHILDREN'S CORNER: Auntie	the Powers of the Air, trying to tear down the Cross. (Lucifer and Chorns.)	Dickens Birthda By Memb
Phil and another Snooky Adventure. 6.30-6.45.—'Teens' Corner: Captain Cuttle,	Scene I.—The Castle of Vautsberg on the Rhine. A Chamber in a Tower. Prince	THE DICKENS I Manche Directed by GERAI
"A Trip Through the Panama Canal." 7.0.—WEATHER FORECAST and NEWS. S.B. from London.	Henry sitting alone, ill and restless. Midnight. (Prince Henry, Lucifer, and Chorus.)	7.30. HARRY HOPEW HERBERT J "A Christmas Party at
The Rev. A J. SKINNER: A Short Talk on "Dog Breeding." Local News.	Scene 2.—Before the house of Ursula. Villagers have gathered after labour. Evening.	("A Christmas Caro KATE BR

■ ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ CHAPPELL and

WEBER

Scene 3.-On the Road to Salerno.

Lucifer, dressed as a doctor.

(Elsie, Ursula, Prince Henry and Chorus.)

(Elsie, Prince Henry, Lucifer and Chorus.)

Scene 4.—The Medical School at Salerno.

Evening.

pianos are in use at the various stations of the B.B.C.

Lucifer and Chorus.) sttage. a Forester.) Epilogue. .B. from London. EE. 351 M. is Orchestra, relayed inema. FIVE O'CLOCKS." CORNER. Ingram, M.B.O.U., Vales and the West rrly Nesting Species." ECAST and NEWS. RK (Baritone). NN (Recitals.) LL QUARTET. ORCHESTRA. CK BRAITHWAITE, of Dickens. Feb. 7th, 1812.) estra. ket on the Hearth" Mackenzie idmann. ers : "Tony Wellericawber-Sidney Lark. Rudge ".. Braithwaite idmann. de Em'ly" ("David and Strings. Quartet. o. 387) Mozart Mendelssohn stra. a ".....Besly (1) y Lark. Quartet. Tchaikovsky .. Sokolow-Glazounov stra. Howard Carr (20) B. from London. TER. 375 M. mophone Records. LF-HOUR. ORNER. CAST and NEWS. TOTT: Weekly Talk ews. ay Programme. bers of FELLOWSHIP, ester. LD M. FARMER. ELL (Baritone). J. WRAGG. Scrooge's Nephew's" KATE BROOKES. "The Story of Caleb and Bertha" ("The Cricket on the Hearth "). "Down Vauxball Way")

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 255.

A Servant KATE BROOKES

H. Oliver (8)

" Nightingales of Lincoln's

WIRELESS PROGRAMME—SATURDAY (Feb. 7th.)

The letters "S.S." printed in italies in these programmes aignify a Simultaneous Broadcast from the station mentioned.
MABEL WARRENDER. "The Eldest Miss Larkins" ("David Copperfield").
"Ralph's Ramble to London"
"The Less of Richmond Hill "
"The Violet Seller"
J. EWART TOMLIN. "David Copperfield and the Waiter" ("David Copperfield").
"SAIREY GAMP and BETSY PRIG." ("Martin Chuzzlewit").
Sairey Gamp MABEL WARRENDER Betsy Prig KATE BROOKES
HARRY HOPEWELL (Baritone). "Wapping Old Stairs" J. Percy "Bailiff's Daughter of Islington"
"The Jolly Young Waterman" Dibdin
9.30-12.0.—Programme S.B. from London. 5NO NEWCASTLE. 400 M
3.45-5.15,—Norah Allison (Soprano). The Station Septet. Norah Balls. Mono-
logue, "The Gentle Art of Shopping," by Ernest Denny.
5.15-6.0.—CHILDREN'S CORNER. 6.50-6.55.—Poultry Notes.
7.0.—WEATHER FORECAST and NEWS. S.B. from London.
Mr. JOHN KENMIR, "Football." Local News.
A Winter Night's Cheer. KATHLYN BIRCH (Soprano).
ST. HILDA COLLIERY BAND: Conductor, JAMES OLIVER.
ANDREW MAGNAY (Tyneside Enter- tainer).
F. KEMP JORDAN (Baritone).
Overture, "Martha"
7.45. Andrew Magnay. Oor Geordie, in Song and Story " Joe Wilson
8.0. F. Kemp Jordan. Wilson (1) "The Tinker's Song" Wilson (1) "Old Barty"
8.10. Band.
Cornet Solo, "The Nightingale" Moss (Master ALWYN TEASDALE.) Trombone Solo, "The Winning Spurt"
(HAROLD LAYCOCK.) Waltz, "What's Become of Sally?"
Milton Ager (9)
"Dream Daddy" Louis Herscher and G. Keeler (9)
"Sahara" (Fox-trot) Horatio Nicholls (9)
8.35. Andrew Magnay. "Jackie Robison Tanks"W. J. Robson 8.45. Band.
Three Dances from "Henry VIII." German Fox-trot, "Sure As You're Born"
2.0. Little, Gillespie, and Shay (9) Kathlyn Birch.
9.0. Kathlyn Birch. "Like the Last Rose of Summer" Gilbert and Lynton (9)
" Nightingale"
9.10. F. Kemp Jordan. "A Sergeant of the Line" Squire (1) "A Seng of the North Wind" Head "Bonnie George Campbell" Keel
"Bonnie George Campbell" Keel
The Unfinished Symphony (1st Movement) Schubert
9.30-12.0.—Programme S.B. from London. 2RD ABERDEEN. 495 M.
2BD ABERDEEN. 495 M. 3.30-5.0.—The Wireless Sextet. Molly Richard-

son (Soprano). Feminine Topics.

the Uncles.

5.30-6.0.—CHILDREN'S CORNER: Songs by

6.15-6.30. This Week's Interesting Anniver-

sary : "The Russo - Japanese War, |

February 7th, 1904," (Prepared by John
Sparke Kirkland.)
6.40-6.55.—Royal Horticultural Society of Aberdeen: James Duncan on The
Aberdeen: James Duncan on "The
Magpie Moth and Its Effects on the Black
Current, Red Current, and Gooseberry
Bushes."
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
Capt. H. G. MANSFIELD. S.B. from London, Local News,
Everybody's Programme.
ADELINA LEON (Solo Violoncello). WINIFRED ANDERSON
(Solo Pianoforte). ALICE THOMSON (Contralto).
THE WIRELESS ORCHESTRA.
7.30. Orchestra.
Overture, "Athalie" Mendelssohn
7 40. Alice Thomson
7.40. Alice Thomson. "A Little Love, A Little Kiss" Silesu "Until"
" Until " Sanderson (1)
7.50. Adelina Leon.
7.50. Adelina Leon. Moffat "Scotch Airs"
"Allegretto " Wolstenholme (11)
" Valse Triste " Sibelius
"Serenade" Herbert
8.5. Winifred Anderson.
Polacea in E
" Invitation to the Dance " Weber
8.20. Orchestra.
Strathspeys and Reels Kerr (36)
8.35, Alice Thomson.
Four Indian Love Lyrics
Woodforde-Finden (1)
8.45. Adelina Leon.
Drink to Me Unity") South
8.45. Adelina Leon. "Drink to Me Only" "Country Dance"
THE RESERVE THE PARTY OF THE PA

"The Little Red Lark" Hain
Tarantella Popper
9.0 Winifred Anderson.
Study on Black Keys Palmgren
Norman and a second a second and a second and a second and a second and a second an
9.15. Alice Thomson.
9.15. Alice Thomson. "Good-Bye" "Parted"
" Parted "
9.30-12.0.—Programme S.B. from London.
5SC GLASGOW. 420 M
3.30-4.50.—The Wireless Quartet, William
Gilchrist (Tenor). Afternoon Topics.
5.15-6.0.—CHILDREN'S CORNER: Miss
Clarke will tell you some Stories.
6.0-6.5,-Weather Forecast for Farmers.
6.40-6.55.—Glasgow Radio Society Talk.
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
Mr. J. A. LOVE TINDAL: "Odds and
Mr. J. A. LOVE TINDAL: "Odds and Ends in Life." Local News.
Danco Nignt.
S.B. to Dundee.
OLD AND NEW FAVOURITES.
THE STATION ORCHESTRA:
Conducted by ISAAC LOSOWSKY.
DANIEL SEYMOUR (Tenor)
will sing the Choruses and Vocal Numbers.
7.30. Orchestra.
Dance Music.
8.25,—Something New! (Our Weekly Cartoon by "Blob.")
8.30. Orchestra.
Dance Music.
9.30-12.0.—Programme S.B. from London.
A through a model to be followed.
A number against a musical item indicates the name of its publisher. A key list of publishers will be found on
page 255.

EVENTS OF THE WEEK.

SUNDAY, February 1st. LONDON and "5XX," 3.0.-The Band

of H.M. Royal Air Force.

LONDON and "5XX," 9.0.—De Groot and the Piccadilly Orchestra, relayed from the Piccadilly Hotel. S.B. to other Stations.

BIRMINGHAM, 8.30.—First Special Radio Service—An Act of Worship. MANCHESTER, 3.0. Chamber Music

and Song. NEWCASTLE, 7.30.—Philharmonic Concert, relayed from the Palace Theatre. GLASGOW, 9.0. Recital by the Bach

ABERDEEN, 3.0.-Bach Afternoon-HAROLD SAMUEL (Solo Pianoforte).

MONDAY, February 2nd.

LONDON and "5XX," 7.35. Comic BOURNEMOUTH,

mouth Calling Italy."

ANCHESTER. 7.25 MANCHESTER, 7.35.—Light Symphony

Concert. NEWCASTLE, 7.35.-Variety Night. BELFAST, 7.35.-Welsh Night.

TUESDAY, February 3rd.

"5XX," 7.39.-Plays and Chamber Music.

LONDON, 7.30.—Ballad Concert—Carrie Tubb. S.B. to all Stations.

The First Night of the Musical Play, "Love's " 5XX," 9.0 (approx.). Play, Prisoner," relayed from the Adelphi and LONDON and " 5XX," Theatre, London. S.B. to all Stations 10.0 (approx.)

(10.0-10.40.). GLASGOW, 8.0 .- The Scottish Orchestra and Choir. S.B. to Edinburgh and Dundee.

WEDNESDAY, February 4th. BIRMINGHAM, 7.30. Chamber Music. BOURNEMOUTH, 8.0. Winter Gardens Night. CARDIFF, 7.30.—Operatic Evening.

BELFAST, 7.30.—Symphony Concert.

THURSDAY, February 5th.

"The Dream of Gerontius," relayed "5XX," 7.30. MANCHESTER and Hall, Manches-ter. Conductor, from the Free Trade HAMILTON HARTY.

LONDON, 7.35.-Military Band Programme. S.B. to other Statious. NEWCASTLE, 7.35.—"Shakespeare, Scene and Story." ABERDEEN, 7.35.—Scottish Night.

FRIDAY, February 6th. LONDON and "5XX," 7.30.-Popular

Classics. NEWCASTLE, 7.30.—"By the Glowing

ABERDEEN, 7.30.-An Evening with the Composer Purcell.

GLASGOW, 8.20.—Old Favourites. BELFAST, 7.30.—Belfast Philharmonic Society Concert, relayed from the Ulster

NOTTINGHAM, 7.30.—" An Elizabethan Evening."

SATURDAY, February 7th. BOURNEMOUTH and "5XX," 7.30.—
"The Golden Legend."
BIRMINGHAM, 7.30.—The Lord Mayor's Distress Fund Concert, relayed from the Town Hall.

CARDIFF, 7.30.—"The Spirit of Dickens." MANCHESTER, 7.30 .- Dickens Birthday

Programme.

This remarkable reception of the U.S. Station at Cambridge (MASS.) in Coventry is further proof of



super-efficiency

Mr. S. Edward Bacon, Steward of the Coventry and County Club, received word by cable that his brother, a vocalist, would broadcast from the American Station W.B.Z. (Cambridge, Mass.) on December 29th. Mr. Bacon, using a 4-valve A.J.S. Receiver, promptly got in touch from Coventry, and "heard both songs perfectly at loud-speaker strength."

Although "conditions were not good"——
He heard "perfectly at loud speaker strength" on his A.J.S. 4-VALVE RECEIVER

THE A.J.S. "UNITOP" CABINET RECEIVER

forms top section of "Unit System" Cabinet and contains A.J.S. 4-valve Receiver. Complete in itself, it may be converted into a beautiful pedestal cabinet by subsequent purchase of first a centre section to contain both batteries and then base section containing special A.J.S. Loud Speaker. Used alone, the "Unitop" is a compact and attractive piece of furniture and a highly efficient Receiver, easily portable for outdoor functions. In Mahogany, or Light, Dark, or Wax-polished Oak. Complete with all accessories, ready for use, 30 guineas (without accessories, £24 10 0).



WIRELESS PROGRAMME—BELFAST (Feb. 1st to

The letters "5.8." printed in Italics in these programmes signify a Simultaneous Breadcast from the station mentioned.

2BE

435M.

SUNDAY.

CHOIR OF CARLISLE MEMORIAL CHURCH: Under the Direction of J. H. MACBRATNEY.

8.45,-Hymn, "Praise My Soul, the King of Heaven."

Anthem, "The Lord is My Shepherd" Macfarren (11)

The Rev. HUGH McKEAG, D.D., of Carliste Memorial Church : Address. Hymn, " Sun of My Soul."

THE "2BE" TRIO:

ERNEST A. A. STONELEY (Violin); REGINALD DOBSON (Violoncello); T. O. CORRIN (Piano);

J. H. MACBRATNEY (Solo Pianoforte). J. H. MacBratney.

Prelude in D Flat Chopin Moment Musical in F Minor Schubert Staccato Caprice Max Vogrich Trio.

Trio No. 1 in G Mozart 10.0.-WEATHER FORECAST and NEWS-S.B. from London.

Local News.

10.15. Trio.

Trio No. 5 in D, Op. 70, No. 1 ... Beethoven 1st and 2nd Movements.

19.30 .- Close down.

MONDAY.

4.0-5.0. - The " 2BE " Quartet. 5.30-6.15.—CHILDREN'S CORNER.

6.40-6.55 .- Prof. Henry : " Our Debt to Greece and Rome.

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

Radio Association Talk. S.B. from London, Prof. J. E. G. DE MONTMORENCY. S.B. from London.

Local News.

Welsh Night.

PARRY JONES (Tenor).
ALBERT FITZGERALD (Solo Violin). PAULINE BARKER (Solo Harp). ROBERT O. STANLEY (Recitals). THE STATION ORCHESTRA.

Orchestra. 7.35.

"God Bless the Prince of Wales" Traditional. "Welsh Gerns Selection" Hecker Parry Jones.

"Ot Na Byddai'n Haf O Hyd" ... Davis "Now Sleeps the Crimson Petal"

Quilter (1) Robert O. Stanley will speak Verse. Orchestra.

Celtie Rhapsody Cyril Jenking Parry Jones.

"O Vision Entrancing" ... Goring Thomas Pauline Barker.

"The Bells of Aberdovey" Thomas Parry Jones.

"Gwlad y delyn" J. Henry "Phyllis With the Dreaming Eyes"

Robert Chignell "Facry Song" (Immortal Hour") Boughton (14)

"Blow, Blow, Thon Winter Wind" Quilter (1)

Orchestra. Welsh Rhapsody E. German (11) Robert O. Stanley will speak Verse.

Orchestra. "Welsh One-step Medley" arr. Somers (9) 1

9.30.—WEATHER FORECAST and NEWS. S.B. from London.

Mr. GEORGE MACDONALD. S.B. from Edinburgh.

Local News. 10.0. Orchestra. Suite, " Merchant of Venice" Rosse

Albert Fitzgerald.
"Träumerei" Strauss-Sitt
"Polonaise in D" Wieniawski

"Irish Patrol" Orchestra, Puerner 10.30.-Close down.

TUESDAY.

11.30-12.30.—Gramophone Records.

4.0-5.30.—The Station Orchestra. James Newel (Baritone). E. J. Harris (Solo Clarinet). 5.30-6.15.—CHILDREN'S CORNER.

7.0-12.0-Programms S.B. from London.

WEDNESDAY.

4.0-5.0.-The "2BE" Quartet.

5.30-6.15.-CHILDREN'S CORNER. 7.0.-WEATHER FORECAST and NEWS. S.B. from London.

Mr. H. G. WAYLING. S.B. from London. Local News.

Symphony Concert.

THE STATION AUGMENTED ORCHESTRA:

Conducted by L. STANTON JEFFERIES. CECIL DIXON (Pianoforte).

Orchestra. Overture, "The Merry Wives of Windsor"

Dream Pantomime, "Hansel and Gretel" Humperdinck Irish Rhapsody in D Stanford (14) Piano Concerto in C Minor., Rachmaninov

(Solo Piano-Cecil Dixon.) "The Banks of Green Willow" (An English Idyll) Butterworth (14) Symphony No. 5 in E Minor . . Tchaikovsky

9.30.-WEATHER FORECAST and NEWS. S.B. from London.

British Drama League Lecture Recital. S.B. from London.

Royal Horticultural Society Talk. S.B. from London.

Local News.

10.20. Cecil Dixon. Gavotte Back-Saint-Saens Minuet Celèbre Mozart-Palmgren Consolation Lists Première Valse Brilliante Chopin

Orchestra. "Shepherd Fennel's Dance"

"Children's Overture" .. Roger Quilter 10.45.-Close down.

THURSDAY.

4.0-5.30.—The Station Orchestra. Marjorio Sinclair (Soprano). Ernest A. A. Stoneley (Solo Violin).

5.30-6.15.—CHILDREN'S CORNER,

6.40-6.55. Mr. Charles Davidson. S.B. from Aberdeen.

7.0-11.0. -Programme S.B. from London.

FRIDAY.

11.30-12.30.—Gramophone Records.

2.50-3.25.—School Transmission: "The Appreciation of Music."

4.0-5.0. The "2BE" Quintet.

5.30-6.15.—CHILDREN'S CORNER.

6.40-6.55.-Ministry of Agriculture Bulletin. S.B. from London.

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

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

7.30-9.0. Portion of the

Belfast Philharmonic Society Concert.

Relayed from

The Ulster Hall. ARTHUR JORDAN (Tenor).

MERCIA STOTESBURY (Solo Violin). THE SOCIETY'S CHORUS AND ORCHESTRA:

Conducted by E. GODFREY BROWN.

In the Studio. EVVA KERR (Soprano).
FREDA CAHILL (Solo Pianoforte).
THE "2BE" TRIO.

ERNEST A. A. STONELEY (Violin). REGINALD DOBSON (Violoncello). T. O. CORRIN (Pianoforte).

Evva Kerr. "As I Walked Through the Meadows" Sharp and Williams (11)

"Near London Town" Sharp and Gould Freda Cahill.

Fantasia in F Minor Cradle Song Chopin

9.30.—WEATHER FORECAST and NEWS. S.B. from London. The Rt. Hon. F. D. ACLAND. S.B. from

London.

Local News. 10.0.

Evva Kerr. "The Young May Moon" Oft in the Stilly Night" "Tis the Last Rose of ... Traditional Summer "

Freda Cahill. Study in D Flat List " Reflets dans l'Eau ".......Debussy "Pavane pour un Infante Defunte" Rovel

Trio. Selection, "Bric-a-Brac"

10.30.-Close down.

SATURDAY.

Monckton and Finck

4.0-5.0.-The "2BE" Trio. 5.30-6.15,-CHILDREN'S CORNER.

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

Station Director's Talk.

Local News.

Everybody's Night.

THE STATION ORCHESTRA. PERCY H. COOPER (Solo Banjo). FODEN WILLIAMS (Entertainer).

7.30. Orchestra. March, "On the Quarter Deck " .. Alford Overture (Selected from Cilbert and Sullivan Series).

Selection, "The Lily of Killarney"

Benedict Percy H. Gooper. "The Dancer's Dream"..... Cammeyer "The Return of the Regiment" Grimshau

Orchestra. Selection,

Foden Williams. Selections from his Reportoire, Orchestra.

Selection, "The Bohemian Girl " Balfe Percy H. Cooper.

"The Hibermans"..... Grimshau "The Coon Town Breezes" ... Pattieorth

Orchestra. " A Musical Switch " Alfora

Foden Williams. Selection from his Repertoire.

Orchestra. Selection, "Catherine" Tchaikorsky 9.30-12.0.—Programme S.B. from London.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 255.

Do You Understand Bach?

How to Appreciate His Music. By J. D. H. Dickson.*



J. S. BACH.

HAVE never been able to understand why a public that can assimilate strong doses of Mozart, Beethoven, Brahms, César Franck, Wagner, Strauss, not to mention the more modern composers, should be afraid of Bach, the old Leipzig Cantor. But I think it is undeniable that there are still people to whom Bach is a bugbear and who

would cordially agree with the old Scotsman that "Anything by ordinar ugly is sure to be Bach." I shall endeavour to explain what I think may be the reasons for this popular fallacy, and why I hope that broadcasting may be a means of exploding it.

Let me briefly review the position of matters at Bach's death in 1750. J. S. Bach came of an enormous family of Bachs, most of whom were musicians, and in him were concentrated all the highest qualities of his race. More than that, he was the culmination of his period, just as, in the drama, Shakespeare was the culmination of the Elizabethan age. Though his works contain the germs of all music since his time-though as Schumann said: "To him music owes almost as great a debt as a religion owes to its founder," though his claim to be the first of the Romanticists is admitted-he was, as it were, the final summing up of the great period of polyphonic music.

Masterpie es That Were Never Written.

Even during his lifetime, art had received an impetus in a new direction, and though it is a mistake to think that music or any other art can be neatly pigeon-holed under periods, Bach's death, broadly speaking, may be said to mark the final break away from the older style. Men no longer called for music woven of many parts or strands like Gothic traceries, which is polyphonic music, but for the single line of melody relieved against a background of

This important fact mainly accounts for the almost complete oblivion which overtook Bach's works on his death. No doubt, a contributory cause was, that in Bach's day, musicians were held in little esteem unless the works they performed were of their own composition. Organists generally improvised their own fugues and fantasias, and Bach's greatest organ works are said never to have been written down. Moreover, as Schweitzer points out, the rationalism of the eighteenth century was curiously lacking in the historical sense.

A Great Performer.

The art of the past was considered antiquated, or, at all events, required re-stating in terms of the present. I do not wish to suggest that a sturdy belief in the present is not a sign of health and vigour in any generation. Indeed, I am not sure that the appalling accumulation of historical facts since history emerged from the region of romance into the domain of science, is not one of the blights of the present day. But, unfortunately, in Bach's time, there were no real facilities for printing music, no gramophone records of performance, and the selfconfidence of the generation which succeeded him might quite well have resulted in the loss to posterity of the greater part of his works. As it was, he was remembered merely as a

great performer, and Burney, the English Historian of Music, records that when he was in Hamburg, C. P. E. Bach, who was a son of John Sebastian and with whom Burney spent most of his time, never played so much as one note of his father's music during his visit.

Time's Revenge.

Thus, for more than half a century, Bach's works-mostly in manuscript-a few only engraved-lay forgotten. But slowly the whirligig of time brought in its revenge. In 1802, Forkel published his monograph on Bach and therein, for the first time, Bach was hailed as one of the

In 1829, exactly 100 years after the first performance in Leipzig, a performance of the St. Matthew Passion, under the young Mendelssohn, finally woke up the world to the supreme greatness of Bach's work.

But the long neglect of nearly a century now began to tell. Bach's MSS-which he had bequeathed equally to his sons, Carl Philipp Emmanuel and William Friedemann-had been, to some extent, dispersed, the language of Bach -perfectly intelligible to the plain man of his day-had fallen out of the common currency; many of the instruments in everyday use at his death had become obsolete, and the traditions and technique of performance had been forgotten.

A Jungle of Jargon.

The amazing resurrection of Bach's music in the early decades of the nineteenth century is not to be explained by the mere complexity of the works then revived, nor by the astonishing things the critics and commentators have discovered in them. If that had been all, the whole thing would have been a mere flash in the pan. What carried all who heard them by storm was the profoundly moving human quality of the music.

But, somehow, we cannot clear our way through the jungle of critical jargon that seems to bar us from the music. So often before the wretched amateur can be allowed to hear it, he must listen to a lecture on this, that and the other thing, all calculated, I fear, to bewilder him rather than illuminate the matter in hand! No wonder Bach becomes a bugbear!

The Way of Understanding.

My point is that the audience has as much to do with all the critical work that is essential to the making of a satisfactory performance of Bach as a sick man has to do with the details of the Pharmacopecia. The knowledge necessary for performance may be conveniently left to the conductor or artists involved.

Understanding of Bach's language will come by familiarity with it. To talk about his idiom for five minutes before you proceed to inflict a performance on your audience is about as useful as to discuss the declension of Greek nouns for five minutes before a performance of Medea in the original. One has to saturate oneself in Bach's works, as the would-be writer of heroic verse used to be told at school to saturate himself in Virgil-not with a notebook jotting down Virgilian tags, but so that the process of assimilation is sub-conscious. Thus, one will come to know Bach's language as one knows one's native tongue, to be able to think and feel in it without any knowledge of its syntax or grammar.

The best way to achieve this intimacy is to play or sing the works yourself, to get on to the platform instead of sitting in the audience, The next best way is to hear his works as often as possible.

(On Sunday, February 1st, Aberdeen and Glasgow are having programmes specially devoted to Bach's music.)

Miner Musicians.

Brass Band Romances.

TO most listeners, probably the best-known colliery band is the St. Hilda, which will broadcast from Newcastle on Saturday, Fel runry 7th. Composed of members of the St. Hilda Lodge of the Durham Miners' Association. the band was started in 1903 by four musicians from another Durham colliery. Since then it has won no fewer than four times the thousandguineas trophy annually competed for at the Crystal Palace, as well as a long list of minor events in the brass band calendar.

Perhaps the best compliment ever paid this remarkable band was that uttered by a high official of the War Office when, after a festival at Newcastle, he exclaimed to the bandmaster: "You are a brass band with the brass taken

out!"

Bedriead as Music Stand.

Music played by the St. Hilda band undoubtedly has a quality that is peculiarly its own. And the secret? Keenness. The St. Hilda bandsmen are intensely enthusiastic; no musicians in the world, excepting possibly a few "star" pianists, devote more hours a day to the perfection of their art.

But if the St. Hilda Band holds the coveted blue riband of the brass band world, there are other bands that may one day equal, if not eclipse, its achievement. Irwell Springs Band, composed of cotton operatives from Bacup, has already lifted the trophy on three occasions. This band was established in a back bedroom by a small group of enthusiasts who were content at first with a bedstead for their music stand ! So poorly were they supported that for several years they could not command the wherewithat to pay their conductor's modest charges. But money came in fast when, after many heartbreaking experiences, they won the champion-

Lean Days !

The famous Black Dyke Band, which for a number of years divided honours with the even more widely known Besses o' th' Barn Band, is composed of woollen mill workers hailing from the district of Queensbury, near Bradford. They, too, had their lean days, and there were moments in the history of both when it seemed that they must inevitably "go under." But that catastrophe has befallen very few of these workers' bands, in spite of the inauspicious beginnings of most of them. The fact goes to show that in the North a love of music is woven into the very fibre of the people.

Another noted name in the annals of these bands is Wingates Temperance, whose members belong to the district between Bolton and Wigan. It consists almost entirely of men who work in the mine. When it originated, away back in the 'eighties, the band had a hard struggle for existence, until some bright spirit conceived the idea of getting up a bazaar "in aid." As a sort of thank-offering, the band beat the Besses o' th' Barn, and, in doing so, jumped in a day from obscurity to fame. Their leading cornet-player at one championship contest, which they won,

was a lad of only fifteen !

Taking No Risks. The name of Kingston Mills, too, cannot be left out of any record of brass band achievements. This band was set on a firm footing after some years of hardship by a local enthusiast who encouraged its members to meet for practice at his house, at great inconvenience to himself. Of one of the best-known of its conductors, John Gladney, it is said that he was never known to take a risk. At the Belle Vue band competition, in Manchester, he warded off temptation by shutting his performers in a room near the contest hall and keeping them supplied with coffee, until the time came for them to appear on the

^{*} In a Talk from Edinburgh.

"Uncles. Father Lectures the

Helpful Hints for the Children's Hour. By S. R. LITTLEWOOD.

MMENSE admiration for the wonderful spirit and skill and insight with which our "uncles" and "aunts" manage to create every afternoon an entertainment that thousands upon thousands of children of every class and condition can enjoy and look forward to-this is, of course, the first feeling one wants to express. The way they manage to turn up something fresh every afternoon, and to "put it over" as cheerily and gaily as they do, amazes and delights all of us (and we are not all by any means children) who gather in the "Children's Corner."

It seems only right, however, that I should try to think of a few things which might help to make the children's hour even jollier than it is already. It is not so much I myself who make the suggestions. The really guilty people are various small members of a large family, all of whom are keen listeners, and view matters with the ripe experience of ages ranging from nine to fourteen, or thereabouts.

The "Little Dear" Attitude.

Speaking, then, as a father, I hope I shall not be misunderstood if I say that the kiddies' first criticism is-in spite of the admiration I have mentioned—that there is just a wee bit too much "uncle" and "aunt." It is all very well to have an "uncle" coming in once in a way—above all, if he tells us where to find those nice presents. But we do not want everybody to be an "uncle" or "aunt." We want a whole family the other end of the 'phonefather, mother, and, above all, brothers and sisters and cousins who are children themselves.

This last plea I find almost universal. As things are, apart from a very occasional teaparty, the entertainment is practically altogether by grown-ups as grown-ups. Moreover, it is by grown-ups who have not got their childaudience in front of them. It is inevitable that

under these circumstances a sort of conventional "little-dears" attitude comes into being. To me, it is astonishing that our "uncles" and "aunts" of the moment have not got more of it. But even with them just a hint is

" Back-chat" that Bores.

Take the "back-chat," for icstance. Being, as they are, delightful people anxious to please each other and everybody, they are always complimentary. "How interesting !" "Oh, I am so sorry that is over!" "Can't you do it again?" These are the sort of phrases we listen to. I have heard them bandied about on occasions when nothing but the most biting irony could have justified them.

I heard the other day a lecture-or, apparently, a reading-on the history of a certain product, with dates of discovery, methods of preparation and all, which an "aunt" said she thought "very interesting." I guessed-rightly

or wrongly-from the way she said it, that she felt nothing of the kind.

We who are fathers know perfectly well that these polite insincerities are not the children's way at all. "Absolutely rotten!" "Do shut up, Dad!" This is the real children's "backehat." And this is what the people who have the best means of finding out on the spot what children like-I mean the comedians of the scaside concert party-always go in for. There is no getting away from it, old-fashioned "slapstick" is what children love and laugh over. If it cannot be got on to the wireless physically, it must be got there verbally.

What would amuse them, I fancy, just as things are, would be a really good quarrelall in the best humour, but brisk and personal and vigorous-between "uncle" and "aunt." It would need dramatizing, of course; but, then, everything that is worth listening to has to be dramatized one way or another.

A Wireless Jackie Coogan.

As to the finding of children's voices, I can quite understand that it would be extremely difficult to get real children who could broadcast themselves to acceptable effect. The momentary young visitor to the studio is of little use. Children would have to be specially trainedjust as they are for the stage or the screen. But they appear on both of these, and here and there have been discovered children of genius. It seems to me by no means beyond the limits of possibility that we might some day find a Jackie Coogan of the wireless.

While we are waiting for this, surely there would be some means of arranging at any rate a pretended tea-party, on far more intimate and picturesque lines than we have now. Imagination is needed. Not so much the imagination of the poet, as the imagination of the "quick comedian." In pantomime-which is not to be despised, for the children of more than a century have loved it-grown-up men and women have managed to keep children screaming with delight hour after hour and day after day by just pretending to be children.

I know that all sorts of people would still be making out that the tradition which has lived on from Dan Leno and Herbert Campbell to Will Evans, Stanley Lupino, and Billy Merson, is a vulgar one. It has not seemed so to the children. We who are fathers know that there is something about the genuine clownnot necessarily one in harlequinade dress, which has ceased to have very much meaning; but any comedian who has to assume frank ignorance and unashamed simplicity-which appeals instantly to children.

He appeals to their sympathies more than any "uncle" could hope to do discussing with an "aunt," however cheerfully, what they shall "give the children." There is nothing, after all, that children like so much as something which makes them feel that a grown-up is actually enduring the distresses of ch ldhood, and being, perhaps, occasionally rewarded by its joys. To amuse a child, one must become a child.

The Music Children Like.

So, too, with the music. There are some charming little minuets and mazurkas and pretty delicate snatches of all sorts that I hear tinkled on the piano from time to time, and, of course, the desire to give children a taste for classical rhythms at the earliest possible age is thoroughly to be commended. It is in noticeably direct contrast to the leanings of that large section of their grown-up brothers and sisters who are so intent upon hearing the very latest

But I am sorry to say that my experience of children's taste is in music very much what it is in dialogue. They like a pretty, graceful little tune now and again. But jollity and sheer bravado have an astonishingly large juvenile

> public. Some of the very nicest children are by no means scornful of the popular music-hall songs of the moment-most of which are about as childish as anything specially intended for the cradle could be.

Too Many Fairy Stories?

seems dreadfully Philistine to say so, but I am even in doubt whether we have not just a little too much of the An eternity of fairy-stories-all of them told in the same rather patronizing tone of voice. and all of them much on the same lines, and not all of them masterpiecesdoes tend to get a trifle palling.

In short, what I feel our "children's cornerists" might remember a little more than they do, is that children are not all little angels waiting for the light of knowledge to come to them; but that the vast majority are lively little rascals, full of fun, and many of them blessed with a double dose of original sin.



"What do you think of that, my boy Aberdeen on a one-valve set!"

"That's nothing! My brother gets New York on two." "You don't say so! Where does he live?" New York."

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This shows the Sparta Model "A" Receiver with lid opened to give access to high-tension battery and plug-in coils.

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SPARTA TWO-VALVE POWER AMPLIFIER. Model C.

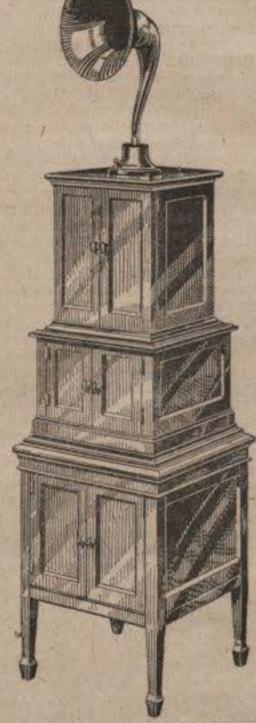
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Price, 16 Guineas.

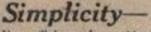
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facilitate control. The Amplifier, as an addition to the receiver, will give a larger volume without distortion, and one or buts valves can be used by a simple switch movement. The sections are interconnected by cords and plugs at the back, fitting into

marked sockets, which render managemation easy.



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Dundee Programme.

2DE 331 M. Week Beginning Sunday, February 1st.

SUNDAY, February 1st.

3.0-5.30.—Programme S.B. from London. 8.30-9.0.—Service, conducted by the Rev. GEORGE McWILLIAM, B.D., of Clepington Church, Dundee.

9.0-10.30. Programme S.B. from London.

MONDAY, February 2nd. 2.30-3.30.—Kinnaird Hall Picture House Orchestra.

5.0-5.15, —WOMEN'S TOPICS. 5.15-6.0.—CHILDREN'S CORNER. 7.0-10.30.—Programme S.B. from Glasgow.

TUESDAY, February 3rd. 5.15-6.0,—CHILDREN'S CORNER.

6.40-6.55.—Boy Scouts' Talk.
7.0-8.0.—Programme S.B. from London.
8.0-8.20.—Programme S.B. from Glasgow.
8.20-12.0.—Programme S.B. from London.

WEDNESDAY, February 4th.
3.30-4.30.—Kinnaird Hall Picture House Orchestra.

4.30-5.0.—Organ Recital. 5.0-5.15.—WOMEN'S TOPICS. 5.15-6.0.—CHILDREN'S CORNER.

6.40-6.55.—Boys' Brigade Talk.
7.0-10.30.—Programme S.B. from Glasgow.
THURSDAY, February 5th.

4.30-5.0. New Gramophone Records. 6.0-6.30. New Gramophone Records. 5.15-6.0. CHILDREN'S CORNER. 6.40-6.55. Mr. Charles Davidson. S.B. from Aberdeen.

7.0-11.0.—Programme S.B. from Glasgow, FRIDAY, February 6th, 3.30-4.30.—Kinnaird Hall Ficture House Or-

chestra.
5.0-5.15.—WOMEN'S TOPICS.
5.15-6.0.—CHILDREN'S CORNER.
6.40-6.55.—Ministry of Agriculture Bulletin.

S.B. from London.
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.

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

Dramatic Night.
WILLIAM MACREADY.
EDNA GODFREY-TURNER.
P. P. BELL (Entertainer).
"DAVID GARRICK."

7.30-8.30. "DAVID GARRICK."

8.30-8.45. P. P. Bell.

"Kate Mackay"

"Oor Wee Jack"

"The Cook".....

S.B. from London.

The Rt. Hon. F. D. ACLAND, S.B. from.
London.

Station Director's Talk, Local News,

10.0-10.30. "THE GULF BETWEEN."
10.30.—Close down.

SATURDAY, February 7th. 5.15-6.0.—CHILDREN'S CORNER. 7.0-12.0.—Programme S.B. from Glasgow.

Hull Programme.

10.20. David Milner,
"Sweet and Low"...... Baraby (11)
"Home, Sweet Home"..... arr. Ellis
"A Dance Medley"...... arr. Milner
10.30.—Close down.

SATURDAY, February 7th.

3.0-3.30. 4.0-4.30.) Claude Duval's Dance Orchestra. 3.30-4.0.—WOMEN'S HALF-HOUR. 7.0.—WEATHER FORECAST and NEWS. S.B. from London. Mr. W. PERCIVAL WESTELL, F.L.S.. "The Song of the Thrush."

Local News, 7,30-12.0.—Programme S.B. from London,

Edinburgh Programme. 2EH 328 M.

Week Beginning Sunday, February 1st.

SUNDAY, February 1st.

3.0-5.30.—Programme S.B. from London.
8.30-9.0.—Religious Service conducted by the Rev. Canon GEOFFREY GORDON, of St. John's Episcopal Church, with the assistance of the Choir under the Direction of RALPH T. LANGDON.

9.0-10.30.—Programme S.B. from London.

MONDAY, February 2nd. 3.0-4.0.—The Station Pianoforte Trio. 5.0-6.0.—CHILDREN'S CORNER.

7.0-9.40.—Programme S.B. from London.
9.40.—Mr. GEORGE MACDONALD, C.B.,
LL.D., F.B.A., on "Roman Britain—(5),
Life in the Military Zone." S.B. to other
Stations. Local News.

10.0-10.30.—Programme S.B. from London.

TUESDAY, February 3rd.

3.0-4.0.—The Station Pianoforte Trio.
5.0-6.0.—CHILDREN'S CORNER.
6.40-6.55.—Prof. Charles Sarolea, Ph.D., LL.D.,
F.R.S.E., on "Paris as a World City."
7.0-8.0.—Programme S.B. from London.
8.0-8.20.—Programme S.B. from Glasgow.
8.20-12.0.—Programme S.B. from London.

WEDNESDAY, February 4th.

2.30-3.30.—The Station Pianoforte Trio. 3.30-4.0.—Talk to Schools: "Great Stories of the World," by Mr. J. C. SMITH, C.B.E.

5.0-6.0,—CHILDREN'S CORNER.
7.0-10.10,—Programme S.H. from London,
10.10.—Mr. J. S. CHISHOLM: Horticultural.

Talk. Local News.

10.20-10.30.—Programme S.B. from London.

10.30-11.30.—"THE ROMANY REVEL-LERS" from the Dunedin Palais.

THURSDAY, February 5th.

3.0-4.0.—The Station Pianoforte Trio. 5.0-6.0.—CHILDREN'S CORNER. 6.40-6.55.—Mr. Charles Davidson. S.B. from Abordeen.

7.0-11.0.—Programme S.B. from Glasgow.

FRIDAY, February 6th.

2.30-3.30.—The Station Pianoforte Trio.
3.30-4.0.—Talk to Schools: Sir LESLIE MACKENZIE, M.D., F.R.C.P.E., LL.D., F.R.S.E., etc., Medical Member of the Scottish Board of Health, on "Citizenship."

ship."
5.0-6.0.—CHILDREN'S CORNER.
6.40-6.55.—Ministry of Agriculture Bulletin.

S.B. from London.
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
PERCY SCHOLES. S.B. from London.
Local News.

Vocal and Instrumental Evening.

WALDO CHANNON (Violin);
RAMSAY GEIKIE (Pianoforte);
CHESTER HENDERSON (Violoncello).
B. C. STEUART (Baritone).

7.30.—Mr. PHILIP SULLEY on "The Burning of the Clavie."

7.45. Waldo Channon, Ramsay Geikie and
Chester Henderson.
Trio, "Dumky," Op. 90 Deorak
Lento maestoso—Allegro; Andante;
Andante Moderato—Allegro; Lento

maestoso—Vivace.

8.20. B. C. Steuart.

"Eri tu" ("Ballo in Maschera") . . Verdi

"The Song of the Volga Boatmen"

Chaliapine-Koennemann

8.30. Waldo Channon.

Romance from Concerto No. 2, Op. 22

Wieniawski

Hebrew Folk Song and Dance.....Brown
FugueTartini—Kreisler,
8.46. Waldo Channon, Ramsay Geikie and
Chester Henderson.

Hull Programme.

6KH 335 M.

Week Beginning Sunday, February 1st.

SUNDAY, February 1st.

3.0-5.30. 8.20-10.30. Programmes S.B. from London.

MONDAY, February 2nd, and WEDNESDAY, February 4th.

3.0-3.30.) Music relayed from the Majestic 4.0-4.30. Picture House. 3.30-4.0.—WOMEN'S HALF-HOUR.

5.15-6.15.—CHILDREN'S CORNER. 6.45-6.55.—Boy Scouts' Telk (Wednesday).

7.0-10.30.—Programme S.B. from London,

TUESDAY, February 3rd, and THURSDAY, February 5th.

3.0-3.30. 4.0-4.30. Claude Duvai's Dance Orchestra. 3.30-4.0.—WOMEN'S HALF-HOUR. 5.15-6.15.—CHILDREN'S CORNER. 7.0 onwards.—Programme S.B. from London.

FRIDAY, February 6th.

3.0-3.30.) Music relayed from the Majestic 4.0-4.30.) Picture House, 3.30-4.0.—WOMEN'S HALF-HOUR, 5.15-6.15.—CHILDREN'S CORNER, 7.0.—WEATHER FORECAST and NEWS, S.B. from London.

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

Popular Night.

HERBERT TINN (Tenor), DAVID MILNER (Solo Banjo), ADOLPHE KAGAN (Solo Violin).

MIRA JOHNSON (Humorous and Dramatic Sketches).

LOUIS GOULDEN (Syncopated Pianist).
7.30. Louis Goulden

7.40. Herbert Tinn.
"I Hear a Thrush at Eve" Cadman

Cast:
Lady Torminster.....MIRA JOHNSON
Sir Geoffrey Transom

FERGUSON RAWLINGS
8.10. Adolphe Kagan.

In further Dance Successes, 8.30. David Milner.

"I'll Sing Thee Songs of Araby" .. Clay 8.45. Humorous Sketch, "HISTORY REPEATS ITSELF" (Dawson Milward).

General Sir Rupert Kenneth, K.C.B.
FERGUSON RAWLINGS

FERGUSON RAWLINGS
Aileen Kenneth (His Daughter)
MIRA JOHNSON

9.0. Herbert Tinn.

"Beneath Thy Window"..... Di Capua.

"Passing By"...... Purcell

9.10. Adolphe Kagan.

9.10. Adolphe Kagan.
"Ave Maria"..... Schubert-Wilhelm
"Obertass" (Polish Dance)... Wientawski
9.20. Louis Goulden.

Still More Syncopations.

9.30.—WEATHER FORECAST and NEWS,
S.B. from London,
The Rt. Hon. F. D. ACLAND, S.B. from

The Rt. Hon. F. D. ACLAND. S.B. from
London.
Local News.

10.0. Herbert Tinn.

"Because" G. d'Hardelot

"Through the Sunrise" Nutting

10.10. Adolphe Kagan.

"Melody" Gluck-Kreisler
"The Canary" Poliakin
(Continued in column 1.)



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Leeds-Bradford Programme.

346 M. 310 M. Week Beginning Sunday, February 1st.

SUNDAY, February 1st.

8.20-10.30. Programmes S.B. from London.

MONDAY, February 2nd, and SATURDAY, February 7th.

11.30-12.30.—Gramophone Records. 2.35-3.45.—The Station Trio. 5.15-6.15.—CHILDREN'S CORNER.

6.40-6.55,-Scout Corner (Monday). 7.0 onwards.—Programme S.B. from London.

TUESDAY, February 3rd, and THURSDAY, February 5th. 11.30-12.30.—Gramophone Records. 2.30-4.0.—Isaac Freedman and his Orchestra, relayed from the Theatre Royal Cinema,

Bradford. 4.45-5.15.—WOMEN'S HALF-HOUR. 5.15-6.15.—CHILDREN'S CORNER. 6.40-6.55 .- Kolin Robertson: "A Chat on

Golf " (Tuesday). "Horticultural Talk," by Sydney Rogers, F.R.H.S. (Thursday).

7.0. onwards.—Programme S.B. from London.

WEDNESDAY, February 4th.

11.30-12.30.—Gramophone Records. 3.30-4.30.—Bensley Ghent and his Orchestra, relayed from the Tower Picture House, Leeds.

5.15-6.15.—CHILDREN'S CORNER. 6.40-6.55.—" On My Anvil," by the Smilesmith. 7.0-10.30.—Programme S.B. from London.

FRIDAY, February 6th. 11.30-12.30.—Gramophone Records. 3.30-4.30.—A Talk to Local Schools. 4.0-4.30.—Bensley Ghent and his Orchestra. 5.15-6.15.—CHILDREN'S CORNER. 7.0.—WEATHER FORECAST and NEWS. S.B. from London. PERCY SCHOLES. S.B. from London,

Local News. THE " 6FL " TRIO AND QUARTET : ENA ROBERTS (Contralto). LEONARD ROBERTS (Baritone). HAROLD BUXTON (Recitals). GEORGE DALEY (Solo Flute).

IVY SMITH (Solo Pianoforte). Trio. 7.30. Three Ministures Frank Bridge Ena Roberts. " Hills of Donegal "...... Sanderson (1)
" I Heard You Go By "..... Wood (5)
" For You Alone "..... Geehl Harold Buxton.

"Orange Blossoms" Sax Rohmer (13)
"Little Nell's Grandfather" Chas. Dickens (13) COLLIN SMITH (Solo Violoncello). Minuet Handel Sarabande..... Sulzer Spanish Serenade Glasounov

IDA BLOOR. "Thou Charming Bird" F. David
(With Flute Obbligato.)
"All in a Garden Green" Lidgey (1)

Trio. 8.36, Brandenburg Concerto Leonard Roberts,

" Harlequin's Song "(" The Passing Show ") Herbert Oliver (8)

Herbert Oliver (8)

"The Tavern Song"... Howard Fisher (8)

"The Call"...... Herbert Oliver (8)

8. Ivy Smith.

"Rustling Woods"..... Liszt
Impromptu..... Chopin
Arabeske..... MacDowell (4)

Ena Roberts.

"My Ships"..... Barratt (1)

"Ombra mai fu".... Handel

"Angus Macdonald".... Roecksl

Ouartet.

Quartet.

Overture, "Plymouth Hoe" Ansell 9.30.—WEATHER FORECAST and NEWS. S.B. from London. The Rt. Hon. F. D. ACLAND. S.B. from

London. Local News. 10.0-10.30. -- Programme S.B. from London.

Liverpool Programme.

6LV

Week Beginning Sunday, February 1st.

SUNDAY, February 1st.

3.0-5.30.—Programme S.B. from London. 8.30-9.0.—Hymn A. and M., No. 242. Anthem, "Send Out Thy Light". Gound Address by the Rev. GEORGE BARRETT. Hymn A. and M., No. 21.

9.0-10.30.—Programme S.B. from London.

MONDAY, Feb. 2nd, and WED., Feb. 4th. 11.0-12.0.-Mid-day Concert. 3.30-4.30.—Gaillard and his Orchestra, relayed from the Scala Super Cinema. 5.30-6.30.—CHILDREN'S CORNER.

7.0-10.30.—Programme S.B. from Manchester (Monday) and London (Wednesday).

TUESDAY, February 3rd.

4.0-5.0.—The "State Brighter Liverpool" Band, relayed from the State Café. 5.30-6.30.—CHILDREN'S CORNER. 7.0-12.0.—Programme S.B. from London.

THURSDAY, February 5th, and SATURDAY,

February 7th. 3.30-4.30.—Gaillard and his Orchestra-5.30-6.30.—CHILDREN'S CORNER. 6.40-6.55.—The Rt. Hon. Lord HAMPTON. S.B. from Birmingham (Thursday). 7.0 onwards.—Programme S.B. from London.

FRIDAY, February 6th. 3.15-3.45.—Transmission to Schools. 4.0-5.0.—The "State Brighter Liverpool" Band.

5.30-6.30.—CHILDREN'S CORNER. 6.40-7.30.—Programme S.B. from London. BERYL DE WILLACY (Soprano). GEORGE JEFFCOCK (Baritone). MURIEL AKED (Character Study). HARRY VARDON (Entertainer). THE STATION TRIO.

Under the Direction of ARTHUR ROWLANDS. Trio. 7.30.

Overture, "The Crown of Diamonds" " Serenade " Widor George Jeffeock.

"Wander Thirst "... Landon Ronald (5)
"Sea Surge ".... Alma Goatley (5)
"Old Barty ".... Douglas Grant (1) 7.55. LEONARD COLLINSON (Solo Violoncello) "Greek Dance"......Segilina
"Spinning Wheel"....Dunkler
"Veil Dance".....Goldmark

Beryl de Willacy.

"Santuzza's Romance" Mascagni
"A Birthday" Cowen (15)
"The Lament of Isis" Bantock

Trio. Children's Suite Ausell "Memories of Mr. Shean."

George Jeffeoek. " I Dream of a Garden of (From Song Cycle,) Sun-hine " "Songs of the Southern Isles" Lohr "When Spring Comes to the Islands"

"Devonshire Cream and Cider" Sanderson (1) Muriel Aked.

"'Ow Me an' Me Mother Went to Vote." Trio.

9.30-10.0.—Programme S.B. from London, Trio. "The Dance of the Waves" (The

10.10.

Trio. Selection, "The Little Dutch Girl" Kalman

10.30. - Close down.

Nottingham Programme.

322 M. 5NG

Week Beginning Sunday, February 1st

SUNDAY, February 1st.

8.20-10.30. Programmes S.B. from London.

MONDAY, February 2nd.

3.30-4.30.—The Scala Picture Theatre Orchestra: Musical Director, Andrew James, 4.30-5.0.—WOMEN'S TOPICS. 5.15-6.0.—CHILDREN'S CORNER.

6.0-6.15.— Teens' Corner, 6.20-6.30.—Station Topics.

6.35-6.55,-Prof. H. A. S. WORTLEY, M.A., on "Modern Psychology" (4).

7.0-10.30.—Programme S.B. from London.

TUESDAY, February 3rd.

3.30-4.30.—Lyons' Café Orchestra: Conductor, Brassey Eyton.

4.30 5.0. WOMEN'S TOPICS. 5.15-6.0.—CHILDREN'S CORNER.

6.0-6.15.—'Teens' Corner.
6.35.—Mr. V. de Sola Pinto, M.A., Shake-speare's "Midsummer Night's Dream." 7.0-12.0.—Programme S.B. from London.

WEDNESDAY, February 4th.

11.30-12.30.—Gramophone Records of the Week. 3.30-4.30.—Lyons' Café Orchestra, 4.30-5.0.—WOMEN'S TOPICS. 5.15-6.0.—CHILDREN'S CORNER. 6.0-6.15,- 'Teens' Corner. 7.0-10.30.—Programme S.B. from London.

THURSDAY, February 5th.

3.25-3.45.-Mr. E. L. Guilford, M.A., on "Home Life in Old Nottingham." 3.45-4.45.—Scala Picture Theatre Orchestra, 5.15-6.0.—CHILDREN'S CORNER. 6.0-6.15,-Teens' Corner.

6.35-6.55.—Scouts' Corner.

7.0-11.0.—Programme S.B. from London.

FRIDAY, February 6th.

3.30-4.30.—Lyons' Café Orchestra. 4.30-5.0.—WOMEN'S TOPICS. 5.15-6.0.—CHILDREN'S CORNER. 6.0-6.15.- 'Teens' Corner.

6.35-6.55.-Mr. C. Taborn on "Planning the Garden and Allotment." 7.0-7.30. Programme S.B. from London.

An Elizabethan Evening. (With Excursions into the 17th and 18th Centuries.)
THE CHAPLIN TRIO:

NELLIE CHAPLIN (Harpsichord). KATE CHAPLIN (Viola d'Amore).
MABEL CHAPLIN (Viola da Gamba).
THE NOTTINGHAM GLEE AND MADRIGAL SOCIETY. Conductor, CHARLES E. RILEY. E. L. GUILFORD, MARGARET M.

GUILFORD, and further Cast in Scenes from Shakespeare and Marlowe.

Nellie Chaplin. 7.30. Pavana (The Measure of Shakespeare) and Galiardo ("The Earl of Salisbury "

Byrde-1538-1623 The King's Hunting Jig (Fitzwilliam Collection) Dr. John Bell-1563-1628 The Queen's Command ("The Parthenia")
Orlando Gibbons—1583-1625

Glee and Madrigal Society. Madrigal, "Sing, Shepherds All" Nicholson-1595-1693 (11) Ballet, "Now is the Month of Maying

Morley-1557-1604 (25) Madrigal, "Adieu, Sweet Amarillis" Wilbye-1598-1609 (11)

Kate Chaplin. The Irish Ho-Hoane . . arr. G. Saint George E. L. Guilford, Margaret M. Guilford, etc., in a Scene from "THE TEMPEST"

> (William Shakespeare-1564-1616). (Continued in col. 1, page 279.)



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Plymouth Programme. 5PY 338 M.

Week Beginning Sunday, February 1st-

SUNDAY, February 1st.

3.0-5.30.—Programme S.B. from London. 8.15-9.0.—Evening Service relayed from the Guildhall.

Religious Address by the Rev. J. HOWEN RODDA (Pastor Greenbank United Methodist Church).

9.0-10.30.—Programme S.B. from London.

MONDAY, February 2nd, to WEDNESDAY, February 4th.

3.30-4.30.—Ernest Manning and his Orchestrarelayed from the New Palladium Cinema-Vocalist, Dorothy Lincoln (Soprano).

5.0-5.30.—WOMEN'S TOPICS:
Address by Viscountess ASTOR, M.P.
(Monday).

5.30-6.30.—CHILDREN'S CORNER.
7.0 onwards.—Programme S.B. from London.

THURSDAY, February 5th, and SATURDAY, February 7th.

4.0-5.0.—Albert Fullbrook and his Trio, relayed from the Royal Hotel. 5.0-5.30.—WOMEN'S TOPICS. 5.30-6.30.—CHILDREN'S CORNER. 6.40-6.55.—The Rt. Hon. Lord HAMPTON. S.B. from Birmingham. (Thursday.)

7.0 onwards.—Programme S.B. from London.
FRIDAY, February 6th.

3.30-4.0.—Talks to Schools: Mr. S. B. STED-HAM, "How Bricks Are Made." Musical Interlude. Mr. H. V. MILLER. "How First Aid is Given to the Injured."

4.0-5.0.—Albert Fullbrook and his Trio. 5.0-5.30.—WOMEN'S TOPICS. 5.30-6.30.—CHILDREN'S CORNER. 6.40-7.30.—Programme S.B. from London.

A Dickens Recital.

THE COLMAN TRIO:
WILLIAM LEWIS (Tenor);
REGINALD HAMLYN (Baritone);

CHARLES FREEMAN (Dramatic DELSIE ELGAR) Recitals).

Selection, "Merrie England" German
7.40. William Lewis.
"My Kingdom" Adams
"Passing By" Purcell
"Bridget" McGeoch

7.50.—Mr. J. H. THOMAS, M.C., M.I.E.S.,
"Through Forest and Jungle to the
Heart of Africa" (2)
8.10. Reginald Hamlyn.

8.20. Recital from "OLIVER TWIST"

Nancy DELSIE ELGAR
Fagin CHARLES FREEMAN

8.40. Trio.

Finale, Trio in D Minor Arensky
8.50.—Mr. S. FOWLER WRIGHT, "Living
Poets of Devonshire and Cornwall" (2).
9.20. William Lewis,

10.0. Reginald Hamlyn. Kalinika¶
"Priére" Kalinika¶
"Oh! How Could I Express in Song?"
Malashkin

"When the King Went Forth to War"
Koennemann

10.10. A One-Act Farce.
"A STRANGE PROPOSAL."

(Charles Tiffin).

Lady Clutterbuck......DELSIE ELGAR
Sir Chas. Coldstream, Bt.

CHARLES FREEMAN

10.20. Trio.
Selection, "Poppy"... Jones and Samuels
10.30.—Close down.



Edison's Bamboo Filaments.

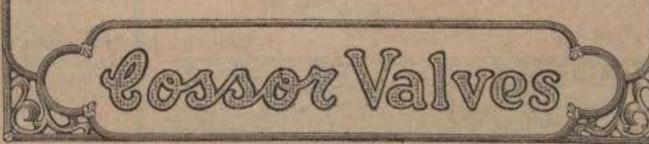
AMONG all Edison's marvellous contributions to mankind—from the phonograph to the carbon microphone—none has been more spectacular than his invention of the first electric lamp.

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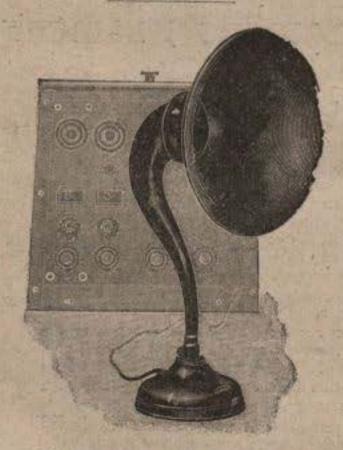
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Sheffield Programme.

6FL 301 M.

Week Beginning Sunday, February 1st.

SUNDAY, February 1st.

3.0-5.30. 8.20-10.30. Programmes S.B. from London,

MONDAY, February 2nd, and SATURDAY, February 7th.

11.30-12.30. Gramophone Records. (Monday only.)

3.30-4.30.—Programme S.B. from Munchester. 5.0-5.20.-WOMEN'S CORNER.

5.30-6.30.—CHILDREN'S CORNER. 7.0 onwards,-Programme S.B. from London, Station Director's Talk, 7.10 (Saturday.

TUESDAY, February 3rd, WEDNESDAY, February 4th, and THURSDAY, February 5th. 11.30-12.30.—Gramophone Records.

3.30-4.30.—Albert Hall. (Tuesday and Thursday.)

Local Concert. (Wednesday.) 5.0-5.20. WOMEN'S CORNER.

5.30-6.30.—CHILDREN'S CORNER. 6.40-6.55,—Mr. C. Johnson, "The Winter Feeding and Management of Poultry." (Wednesday.)

Mr. Clifford K. Wright, "What We Owe to Greece." (Thursday.)
7.0 onwards.—Programme S.B. from London.

FRIDAY, February 6th. 11.30-12.30.—Gramophone Records.

3.30 4.30. - Concert.

5.0-5.20.-WOMEN'S CORNER. 5:30-6:30.—CHILDREN'S CORNER.

6.40-7.30.—Programme S.B. from London. PIANOFORTE TRIU.

CHARLES TALBOT (Bass Baritone).

DORIS HERBERT (Soprano).

KEETCH OXLEY (Tenor).

ERNEST PROUDLOVE (Entertainer). Trio,
"Military March"................ Schubert
Charles Talbot.

" Per Questa Bella Mano" Mozart
" Like the Young God of Wine" (" Phebe ") M. Greene (11)

Daris Herbert. Recit., "Ah Tardia Troppo" Aria, "O Luce de Quest G. Donizetti

Anima"...."
"Street of Quiet Windows"

H. Baynton-Power (8) Trio.

Serenade Widor Keetch Oxley.

" Fair House of Joy " ... Roger Quilter (1) "I Pitch My Lonely Caravan at Night ' Eric Coates DOROTHY BINGHAM (Solo Violoncello). "Cradle Song" Erkki Melartin

Allegro Spirico Senaille Ernest Proudlove. Doris Herbert and Charles Talbot. Duet, "I Heard a Voice in the Tranquil Night " Stephen Glover

Romance Bridge Doris Herbert.

" She Wandered Down the Mountain Side " " Heart Delight " Emilie Clark (15)

ERIC OGDEN (Solo Violin). "On Wings of Song " Mendelssohn

Charles Talbot,
"Song of Hybrias the Cretan" J. W. Elliot "The Wonderful Wise Man o' Tawton ' Kennedy Russell

9.30-10.0. - Programme S.B. from London. Trio. "Norwegian Dance" Grieg Keetch Oxley.

"My Dreams" Tosti " Believe It True " F. Coote (8) Ernest Proudlove.

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Keetch Oxley and Charles Talbot. Duet, "Tenor and Baritone'

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36 Lasts

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

Week Beginning Sunday, February 1st-

SUNDAY, February 1st.
3.0-5.30, —Programme S.B. from Landon.
8.50-9.0.—Hymn, A. and M., No. 450.
The Rev. W. A. RUNDELL, A.K.C., All Saints' Church, Boothen: Address.
Hymn, A. and M., No. 27.
9.0-10.30.—Programme S.B from London.

MONDAY, February 2nd, to THURSDAY, February 5th, and SATURDAY, February 7th. 3.30-4.30.—The Majestic Cinema Orchestra. Musical Director, Thomas Beckett. 3.30-4.30.—Gramophone Records (Thursday). 5.0-6.0.—CHILDREN'S CORNER. 6.40-6.55.—The Rt. Hon. Lord HAMPTON. S.B. from Birmingham (Thursday).

7.0 onwards .- Programme S.B. from London. FRIDAY, February 6th. 3.30 4.30.—The Majestie Cinema Orchestra. 5.0 6.0.—CHILDREN'S CORNER. 6.40 7.30.—Programme S.B. from Landon. THE HANLEY VOCAL UNION CHOIR: Conductor, EDWARD RATHBONE. EDITH MALAND (Soprano). CYRIL L. BROOKE (Baritone). AGNES E. SHERWIN (Solo Violin). IDA FURNIVAL (Solo Pianoforte). HAROLD MORRIS (Pianoforte). The Choir. "The Soldiers' Chorus" ("Feust") Gounod (11) Part Song, "Come, Dorothy, Come Swabian Volkslied (11) Part Song, "In This Hour of Softened Splendoug" Pinsuti (11) 7:40. Ida Furnival. "Butterfly" " Little Bird" Grieg
" Poeme Erotique" (Love Poem). "March of the Dwarfs," Cyril L. Brooke. "My Dreams" Agnes E. Sherwin. " Pisen Lasky " Josef Suk Edith Malend. "Carmena" Lane Wilson (22)
"Sanctuary" Hewitt (31) The Choir. Part Song, "Moonlight" Euton Faning (11) Chorus, "Be Not Afraid" ... Mendelssohn Ida Furnival. Prefudes, Nos. 20 and 1

8.30. Study in F, Op. 25, No. 3 Chapin Bercense Fantaisie-Impremptu Cyril L. Brooke. "Valo" Kennedy Russell (1)
"The Blue Dragoons" Kennedy Russell Agnes E. Sherwin and Harold Morris. Duet for Violin and Piano, Finale from Suite Schutt Edith Maland. "Villanelle" E. del'Aequa
"April Morn" Batten (1)
The Choir Part Song, "My Bonnie Lass" Ed. German (11) Part Song, "Who is Sylvia?" Ed. German (11) Chorus, "On Jordan's Banks" Max Bruch Ida Furnival. Ballade, Op. 119 Brohms 9.30-10.0,—Programme S.B. from London. Cyril L. Brooke. "The Trumpeter ! Airlie Dix (1) Agnes E. Sherwin. 10.5.

Edith Maland.

Ida Furnival.

Concert Study in D Flat Liszt

Part Song, Selected.
National Anthem arr. Costa

Selected.

Selected:

10.30. - Close down.

10.10.

10.15.

10.20.

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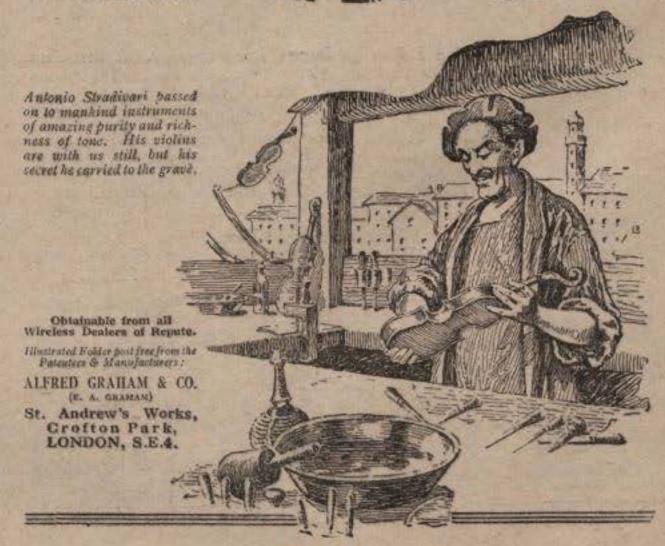
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Swansea Programme. 5SX 485 M. Week Beginning Sunday, February 1st.

SUNDAY, February 1st.

3.0-5.30. 8.30-10.45. Programme S.B. from Cardiff.

MONDAY, February 2nd, and WEDNESDAY, February 4th.

3.0-4.0.—The Castle Cinema Orchestra. Musical Director, Jack Arnold. 5.0-5.15.—WOMEN'S TOPICS.

5.15-6.0.—CHILDREN'S CORNER.
7.0 onwards.—Programme S.B. from London

(Monday), Cardiff (Wednesday),
TUESDAY, February 3rd,
3.0-4.0.—Gramophone Records,
5.15-6.0—CHILDREN'S CORNER,
7.0-12.0.—Programme S.B. from London,

THURSDAY, February 5th.
3.0-4.0.—J. W. Barlow's Trio.
5.15-6.0.—CHILDREN'S CORNER.
6.40-11.0.—Programme S.B. from London.

6.40-11.0.—Programme S.B. from London.
FRIDAY, February 6th.
3.0-4.0.—The Castle Cinema Orchestra.
5.0-5.15.—WOMEN'S TOPICS.
5.15-6.0.—CHILDREN'S CORNER.

6.40-7.30,—Programme S.B. from London,
LAL PRICE (Seprano).

BARBARA HOWARTH (Sele Pianeforte).

NAN DAVIES (Sele Harp).

BILLY AND BETTY (Entertainers).

ST. JOHN'S AMBULANCE SILVER.

BAND (Swansea Centre): Conductor: Ambulanco Officer PHIL JENKINS.

7.30. Band.

March, "Westward Ho" Firth
Fantasia, "Country Life" Le Duc
7.45. Barbara Howarth.

Preinde Balfour Gardiner (24)

Lal Price.

"Love's a Merchant" Gardin.

"Love's a Merchant" Carew
"A Brown Bird Singing" Wood
Nan Davies.

Mazurka Hasselman

8.0. Band.
"Gems of Italian Opera"..... Rimmer
Billy and Betty
"Hullo, Everybody"...... Billiu and

"Hullo, Everybody "..... Billy and
"Shakespeare Interrupted " Betty
"She's Got to Come from Devon"
Weston and Lee (7)

Selection, "William Tell" Rossins

8.55. Lal Price.

Romanza and Scena Mascagni
"The Dove" Richards

Nan Davies,

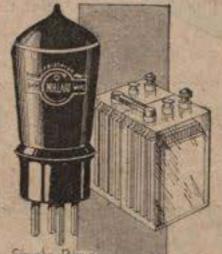
Fantaisie-Impromptu Chopin 9.20. Band. Selection, "Nabucco " Verdi 9.30-10.0—Programme S.B. from London.

10.0. Billy and Betty.

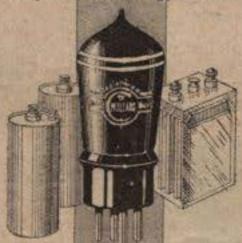
"Where Are You?" ... Billy and Betty
"Dunno"

10.15. Band. Fantasia, "Olympia" Kerzer March, "King's Cavalier" Rimmer 10.30.—Close down.

SATURDAY, February 7th, 3.0-4.0.—The Castle Cinema Orchestra, 5.15-6.0.—CHILDREN'S CORNER, 7.0-12.0.—Programme S.B. from Cardiff. Three of the Best —



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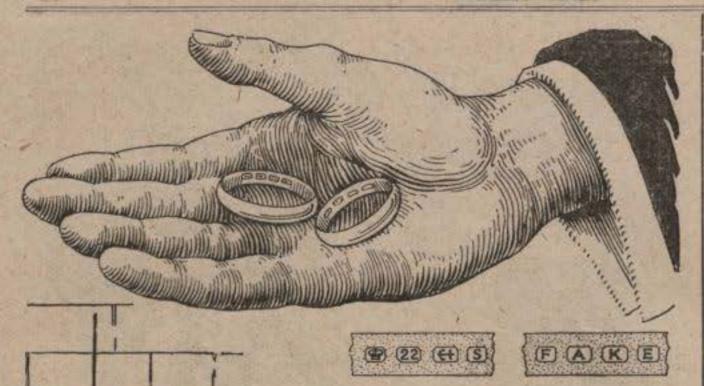
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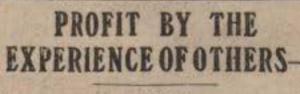
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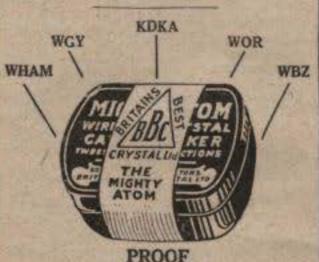
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Edinburgh Programme.

(Continued from page 267.)

9.15. B. C. Steuart. "The Yeomen of England "...E. German"
"Drake Goes West"....Sanderson (1)
"Lolita".....A. Buzzi-Pessia

9.30.—WEATHER FORECAST and NEWS, S.B. from London. The Rt. Hon. F. D. ACLAND. S.B. from

London.

G. L. MARSHALL: Station Topics. Local News.

10.0. Chester Henderson. Ballade, Op. 3) Serenade fSuk

Ramsay Geikie.

Ballade in A Flat, Op. 47. 10.26. Waldo Channon, Ramsay Geikie and Chester Henderson.

Fantasy Pieces, Op. 88 Schumann Romance; Humoresque; Duet; Finale-10.40.-Close down.

SATURDAY, February 7th.

3.0-4.0. - The Station Planeforte Trio. 5.0-6.0.—CHILDREN'S CORNER. 7.0-12.0.—Programme S.B. from London.

Nottingham Programme.

(Continued from page 269).

Mabel Chaplin. " Heartsease " (Accompaniment by G. Saint George).

Glee and Madrigal Society. Madrigal, "All Creatures Now Are Merry Minded" Benet—1570-1615 (1)
Choral Ayre, "I Thought That Love Had
Been a Boy" .. Byrde—1538-1623 (2)
Ballet, "Fire, Fire, My Heart"

Morley-1557-1604 (11) Choral Ayre, "Come Again, Sweet Love" Dowland-1562-1625 (2) The Chaplin Trio.

The Tourdion (1588), Courante (1665).

Saint Martin's (1665). Kemps Jigg arr. Dr. E. Naylor E. L. Guilford in the Final Scene from "FAUSTUS"

(Christopher Morlows—1564-1593). Nellie Chaplin.

Gavotte and Musette from English Suite in G. Minor Bach-1685-1750 Lady Elizabeth Spencer's Minuet

Dr. Philip Hayes-1738-1797 (2) "Le Couceu" ("The Cuckoo")
C. Daquia—1694-1772

Mabel Chaplin.

Gavotte Chedeville-1700-1782 Canaries \ Boismortier-1691-1765

(Accompaniments set by Kate Chaplin.) 9.30-10.0. - Programme S.B. from London,

Kate Chaplin. 10.0. Largo Ariosti-1660
Le Grand Père ... arr. G. Saint George

E. L. Guilford and Margaret M. Guilford in a Scene from

"THE TAMING OF THE SHREW" (William Shakespeare). Glee and Madrigal Society.

Madrigal, "Since First I Saw Your Face" Ford-1580-1648 (1)

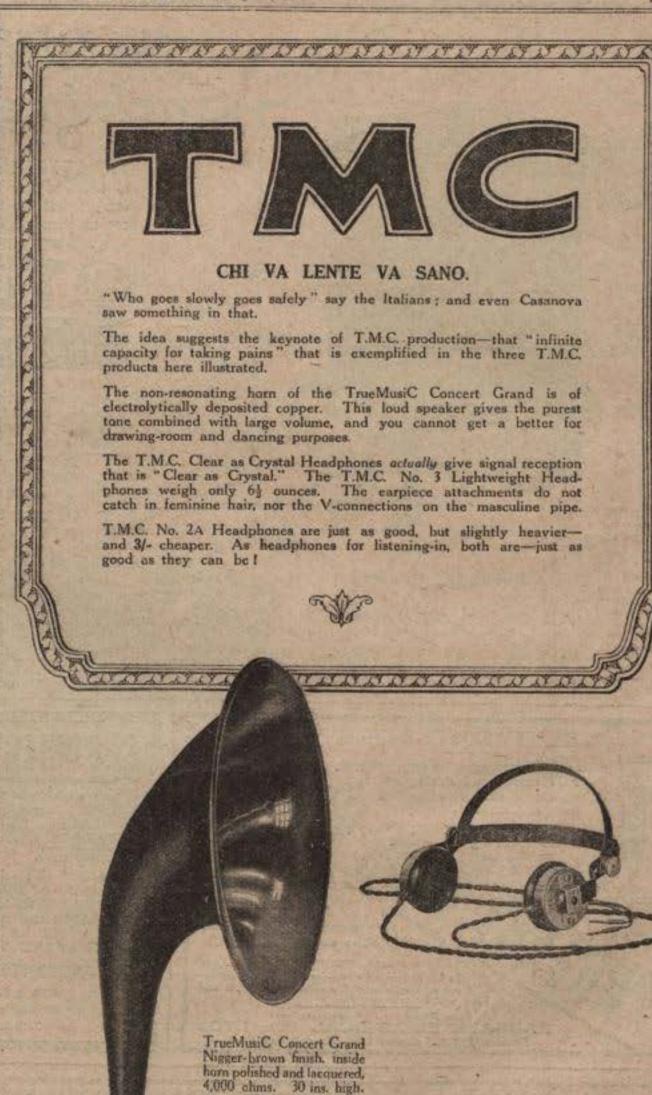
Ballet, " Lady, Your Eye" Weelkes-1578-1623 (14) Madrigal, "While the Bright Sun"

Byrde-1538-1623 (11) Choral Ayre, " Now Let Her Change."

Pilkington-1570-1638 (11) The Chaplin Trio.

Sonata No. 2. Jean Baptiste Locillet. 10.40. Close down.

SATURDAY, February 7th. 3.15-4.15.—Scala Picture Theatre Orchestra. 5.0-6.0.—CHILDREN'S CORNER. 7.0 12.0.—Programme S.B. from London.



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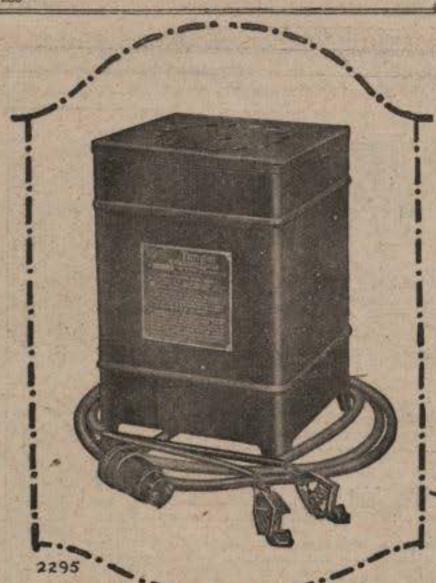
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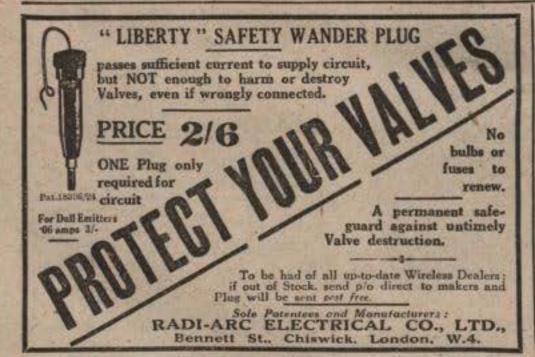
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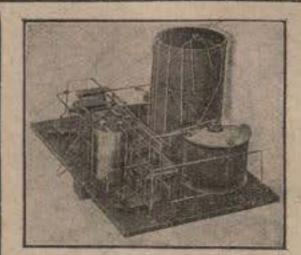
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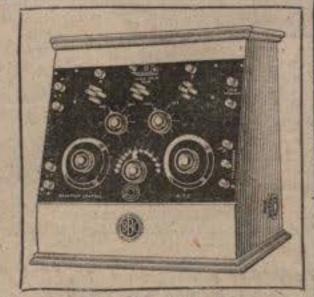


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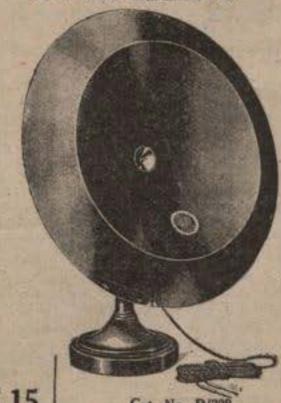
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A CRYSTAL SET.

By G. P. Kendall, B.Sc.

A LOW-LOSS CRYSTAL RECEIVER.

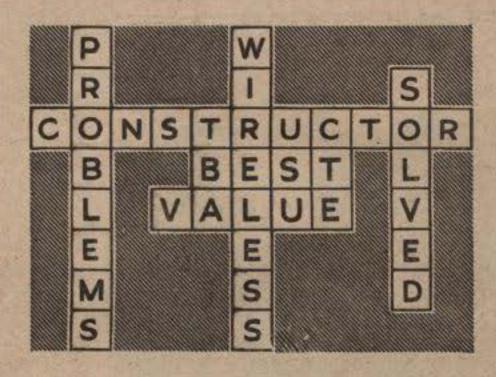
By Percy W. Harris, Member LR.E.

SIX SIMPLE CRYSTAL CIRCUITS.
HOW TO TUNE A SIMPLE VALVE
SET.

By Stanley G. Rattee, Member I.R.E. THE HUMOURS OF MR. GUMBLE-THORPE,

sand many more articles of interest,
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SIXPENCE MONTHLY

"The Wireless Constructor" is produced by Radio Press, Ltd., the largest wireless publishers in the world (Proprietors also of "Wireless Weekly" and of "Modern Wireless"). Like all Radio Press publications, it is under the general and personal direction of John Scott-Taggart, F.Inst.P., A.M.I.E.E., the well-known authority and inventor of the S.T.100, and many other popular circuits.

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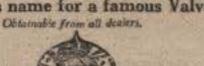
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There's only one 100% pure crystal Hertzite -only one which gives you maximum results. Substitutes will be offered to you, but see the name Russell's on the sealed box-you cannot buy a better crystal, whatever you pay.

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NELSON MULTI.

KARAKARAKARAKAKARAKARAKARA A famous name for a famous Valve.



The "NELSON MULTI" contains three separate can instantly be brought into use by a switch device incorporated in the valve cap.



Filament Voltage 4-6

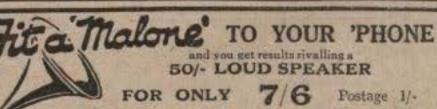


The "NELSON MULTI" will function as a De-tector. L.F. Amplifier, or H.F. Amplifier. Adapted to fit any stan-dard Four-pin socket.





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Fitted in a second, sound British made, complete, strongly, packed. Send P.O. 8-6 at once and listen in comfort.

Send stamp for tree descriptive pamphlet,

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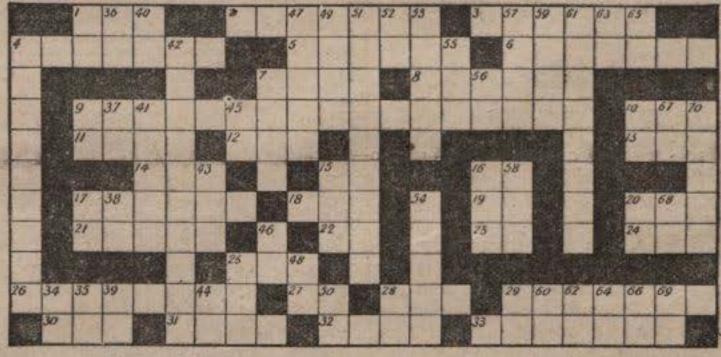
To interest and amuse our friends we offer the following prizes for the correct solution of the cross-word puzzle below.

1st. One Exide L.T. Wireless Battery 6 volt. 60 amp. hrs. capacity Value £3/3/0

Value £1/12/0 2nd. One Exide Hand Lamp Complete 3rd. One Exide H.T. Wireless Battery-24 volts Value £1/4/0 Also 20 Consolation Prizes, each comprising one "Chloride" folding steel foot rule, in case.

No envelope will be opened before February 10th, when the prizes will be awarded to the first 23 correct solutions opened. Our decision must be accepted as final.

Envelopes to be marked "Competition" in top left-hand corner, and addressed to :- The Chloride Electrical Storage Co. Ltd., Clifton Junction, near Manchester.



The "words" in this puzzle include several generally accepted abbreviations or initials similar to the following:-

" R.H.A." - Royal Horse Artillery. The "Clues" are not put forward as exact definitions but as affording an indication to the required word.

HORIZONTALS

- 1 Seven Hundred
 2 A rare fruit tree,
 3 Hard workets
 4 A mineral found in Norway
 5 Hero of a Roman opic
 6 Your interest is
 7 Useful for slotmeters

- 6 Your interest is
 7 Useful for stotmaters
 8 Probably dumped.
 9 A quality lacking in celluloid
 10 A scriptural beast of burden
 11 A great poem
 12 Useful at Bridge
 13 Goes with a dash
 14 Demonstrative adjective
 15 A royal title

- 15 A royal title 16 Thur 17 Discust
- 18 A woman's scoret 19 Another scriptural beest 20 Yours or mins
- 21 Dig again

· Showrooms and Depots .

- LONDON: 219/229, Shaftesbury Avenue,
- W.C.2
- BIRMINGHAM:
- 58, Dale End

HORIZONTALS continued

- 22 Indefinite article
- 23 Prefix signifying facility 24 A smaller scriptural beast 25 Upper crust 26 Comfortless 27 The song of the lost sheep 28 An emollicat

- 29 Cripping
- 30 Demonstrative adjective 31 A monkey's tail 32 Found in cheese
- 33 A crime of violence

VERTICALS.

- 4 Surpass
- 34 Electro-Technics
- I A note of a scale (musical)
 9 That's it
 17 The family friend
 36 Abbreviated bobs
 80 Keeper of the Rolls

VERTICALS—continued

- 37 Not half-marked silver
- 38 A British Regiment 39 Anglo-Saxon
- 40 101
- 41 Often quoted 42 Having feet made to specification
- 43 A physical unit 44 Often before day
- 45 Unmarried artist
- 25 Little Nigger Boys
- 7 A darling 46 End of the fight

- 46 End of the right
 47 A type of pie
 48 Lead
 49 To put in possession
 15 The Heavies
 50 A light metal
 51 Beginning
 52 A respected profession
 28 Preposition
 53 A gold odd
- 53 A gold coin

VERTICALS—continued

- 54 The nest of a bird of prey

- 55 A clerical area 55 England's glory 16 Worth listening for
- 57 Half a rubber 58 Bettled bullock 20 One better than a backglar
- 59 Long ages
- 60 In or near 61 Has no meaning
- 63 and 64 Then and I
- 65 Steamer 10 Date indication

- 20 Quite right 66 Å negative prefix 67 Postal address sign 68 West Indies
- 68 Over there

70 Grand at horse shows

BRISTOL: 22, Victoria Street

Shawrooms and Depota:

MANCHESTER: 1. Bridge Street

ELECTRICAL STORAGE

CLIFTON JUNCTION, NEAR MANCHESTER

THE LARGEST BATTERY WORKS IN THE BRITISH EMPIRE.

See page 274 for solution to last week's Cross Word Puzzle



Here will we sit, and let the sounds of music Creep in our ears; soft stillness, and the night, Become the touches of sweet harmony. Shakespears Merchant of Yomas,

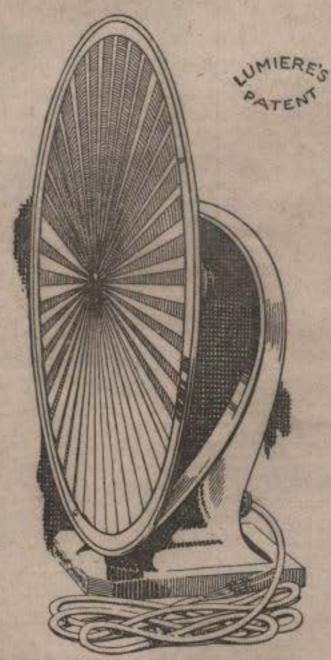
The New Master of Music

A new factor has entered into music—the Sterling "Primax" Hornless Loud Speaker. For here is a radio instrument truly capable of charming the listener with the sympathy of a voice, the melodic appeal of a piano, and the inspiration of orchestral music. A test at any good radio dealers will confirm the fact that there is no loud speaker that can compare in tone, or volume and purity—the "Primax" is incomparable, supreme.

The Sterling "Primax" Hornless Loud Speaker has a pleated diaphragm mounted in a frame and supported on a graceful stand. The whole instrument is bronzed finish. It is connected to the receiver in exactly the same way as an ordinary loud speaker. Complete with 12 ft. of flexible cord. (2.000 ohma resistance.)



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