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EVERY FRIDAY.

Two Pence,

OFFICIAL PROGRAMMES

THE BRITISH BROADCASTING COMPANY.

For the week commencing SUNDAY, February 15th.

MAIN STATIONS.

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

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SPECIAL CONTENTS:

THE CIFTED AMATEUR. By Will Owen.

THE TRAGEDY OF SCHUMANN. By R. D. S. McMillen.

HOW WE GET OUR CRYSTALS.

OFFICIAL NEWS AND VIEWS.

LISTENERS' LETTERS.

CONTINENTAL BROADCASTING.

Solving the Ether's Secrets.

By Sir OLIVER LODGE.

[This week we publish the second of the seven lectures on "Ether and Reality" which Sir Oliver Lodge in broadcasting from London.]

IT is commonly said that we have no sense organ for the appreciation of the other. Truly, we have not any means of apprehending it directly; but we are very much accustomed to experience the phenomena which go on in it, or, in other words, to apprehend its modifies tions or moods.

It might be said that we have no sense directly to appreciate the air we breathe, and I suppose children have to learn that an atmosphere really exists round the earth. We can, however, appreciate its moods or modifications, as when there is a wind; or, if we remove some air from a vessel, making a portial vacuum, hoving closed the crifice with our hand, we can feel the atmospheric pressure, which is very great, though so uniform that we usually ignore it, and it had to be discovered by Galileo, Torricelli and Pascal. Apart from experiment, however, we can appreciate the vibrations of the air, for they are what we call noise, or sound, or music But, of course, children of many ages could hear music without knowing that the atmosphere had anything to do with it.

Probably a winfi is the most direct method of apprehending the air. Many attempts have been made to detect a wind in the other: the earth is rushing through it at a tramendous pace -mnetcen miles a second, or more-and, therefore relatively, it must be streaming past us; but we can feel nothing of it; and, what is more, our most delicate instruments, specially designed to that end, can exhibit or detect nothing Consequently, it has been possible to doubt the existence of such a medium.

Again, we have no means of making a vacuum in the other and feeling its pressure; we have reason to think that that pressure is enormous.

The air pressure is a ton to the square foot : an ordinary barometer demonstrates this, But there is no instrument for measuring the presure of the other, which is probably millions of times greater. No vacuum is possible in other its pressure is altogether too uniform for direct apprehension. A deep-sea fish has probably no means of apprehending the existence of water. it is too uniformly immersed in it; and that is

our condition in regard to the ether.
But we can feel its vibrations. Hold your hand in front of a blazing fire. It is not hot air that we feel; the air remains cool; dry air is not heated by radiation. What we feel is due to other vibrations: they excite the nerves of the skin and give us the tanging sensation which we call heat or temperature.

Again, if we sit in the samshine we can realize if we attend, that we feel all round us a quiver of the other; it may actually bronze our skins, and on the top of a mountain may raise blisters. All these skin sensations are directly due to the other and its vibrations. The vibrations originated in the sun, and have travelled across minety to million miles of empty space, taking eight minutes on the journey before they reach us. They achieve many results on arrival. ris. They achieve many results on arrival. Photographic chemicals are blackened by the vibrations. Every green leaf elaborates crude cap by their aid, and turns it into feeding material or regetable tissue.

All vegetation grows at the expense of the ether tremors in which it is necessed; plants extract energy from the ether and store it in their substance: store it, it may be, for hundreds or thousands of years; so that when you make a wood or a coal fire, you liberate the alund or dormant energy, and the other gets it back again.

Every part of the akin is amusitive to the (Continued overleaf.)

Solving the Ether's Secrets.

(Continued from the previous page.)

other quiver; but a particular region is localized to nearly all animals so as to be especially scunitive, and is called an "eye." Yet, "seeing," though it tells us about objects, tells us nothing about a mechanize and its waves, nothing about the machinery and vibrations by means of which we see.

It is quite possible to live amongst such vibrations and to know nothing about them; must people take the phenomenon for granted and do not analyse the cause. Only a low of the human race began to detect what was happening and those low lived in the beginning of the nineteenth century. Late in time the knowledge cause. After that, it was either ignorance or che some opposition throry which enabled people to ignore us deny the ether. And when, later on, we began to make experiments in electricity and magnetism, the ignoration of the ether was still more difficult. We are using it may be radio telegraphy; but, before that, we used it to drive our street cars and mechinery.

Two Things Necessary.

An immense amount is known about waves, and the mere fact that a medium is able to transmit waves tells as consething about its properties. A wave in aiways the result of an oscillation or vibration; and for an oscillation to be possible, two things are necessary; those two things are the power; of restoration, recovery, recoils when released, and the power of over-shooting the mark—the power of continuing to move without proposition and even against an opposition

The power of recoil is called "clarificity"; the power of recoing against opposition is called momentum or impatus, or inertia or density. A bent or colled-up apring possesses one; it can recoil quickly and drive a pollet, or it can recoil slowly and drive a watch, all day, by its charteity hay kind of a load or mass possesses the other property—the power of emitming to move even against obstacles; a callway track, once set going, can want a store for a time by its constitutions.

a callway truck, once set going, can run up a slope for a time by its own momentum. So can water—it can be propelled against gravity—as in a fountain, or the tides. Our own bodies rise against gravity when we jump. A pendulum awings post its lowest point and these on the other side: it overshoots the mark by its inertia.

A Simple Esperiment.

The two properties, clasticity and inertia in combination, may be most easily illustrated by a piece of clastic, or a spiral spring, held at the top by a hand or a fixed support, and loaded at the hottom by a weight. Imagine you are holding up a weight by a piece of clastic. When everything is quiet, the weight is in a position of equilibrium; but if the weight is other pailed down or rused up a little and let go, it dances up and down. Follow this out, and you will perceive that it recoils ar recovers its old position and then overshoots the mark, and continues either against gravity or against the apring; and this process is repeated many times.

If a vibrator is rapid, like a stretched cond or a changed spring, the eye can hardly follow the vibrations; but the car can detect them, for they will emit a musical note—that is, they will generate waves in the six—accord waves. That is smoothing like how we start the so-called wireless waves in the ether—electric waves—or, at least, that is the simplest way.

To illustrate electric elasticity is very easy you have only to charge an insulated body (which is easily done by the right kind of friction) and you know that it tries to dispharge; so that if you bring your knowlede to it, you get a spork. For instance: Rub a sheet of thoroughly dry paper, still warm from the free, on a clean table, with indisrubber; or give it a few strokes with a dry hand. When you lift the paper from the table, you find it sticks, being charged with electricity, and you hear little sparies snepping back to the table, which is the durit you can see.

Taking off clothes in dry weather gives the same effect, merely from friction. The charged piece of paper will adhere for a time to your clothes or to a wall, and otherwise behave oddly. You can warm and rub it again, and then if you lay it on a tea-tray, supported by three dried wine-glasses or tumblers, you can take a spark from the tray. Lift the paper off, you can get

Sir Oliver Lodge broadcasting at the London Studio.

another spark from the tray ; put it on again, a third; take it off, a fourth, and so on.

The experiment is elementary and effective if done neatly. Each spark is a breaking down of the insulator under electric strain; it is like the map of an elastic thread. Electrification is strain, and it tends to recoil or discharge when given the opportunity. The thing strained is not matter, but other.

The discharge while it hasts is a current; but these are other ways of producing a current, and a current always generates magnetism; or rather, magnetism; inevitably accompanies a current. You can easily maintain a current round at electro-magnet by connecting its collate a battery. If you suddenly break that current, you get a spark across the gap; this is a different spark from the other, or, at least, it is due to a different cause; it is not due to electric strain or elasticity, it is due to magnetic impetur or momentum. I used to call if a B spark as a contrast to an A spark. The insulating partition is smashed as before, but smashed for a different reason; the violence exercised is not due to provious strain, and is not like the amp of an elastic; it is more like the stopping of a oricket ball or a bullet or a radway truck.

If you try to stop a cricket ball anddenly, by

a pane of glass, the glass is smashed: it was not previously strained, this smashed by the momentum, or impetus, or imeria, or persistence in metics of the projectile. A railway truck can similarly be stopped by an obstacle, but not without violence; that is why buffers are made clustic, not rigid.

A sudden stop usually breaks something: An electric spark is a sign of breakage. If you do not stop an electric current, either by friction or in any other way, it goes on: it goes on, as a planet goes on, because there is nothing to stop t, and because of its magnetic momentum.

Why Waves are Possible.

The ether, therefore, possesses inertia, as matter does. Electric motion does not stop of itself. As when you sair a lea-cup, the spinning motion goes on for a time. Such motion is studied under the head Magnetism. The other has two properties, the electric property and the magnetic property one either is, or simulates, Electricity; the other either is, or simulates, Momentum; and it is owing to these two properties that sibrations and waves are possible.

To generate waves, all you have to do in to charge an aerial positively and bring its terminal near a knob connected to earth. The elastic medium between them is strainest till it maps, a current begins, and that current can continue; so that the aerial which had been positive becomes negative. Then there is a recoil, a swing back again; and thus swing is repeated several times—just like a penululum or a clamped spring which has been strained to one side and then let go. The spark is oscillatory.

The whole process is so rapid that you cannot follow it without special arrangaments; the decillations are all over in an imperceptible time. But by looking at the spark is a rotating cirror, or pholographing it on a rapidly moving plate, the oscillations can be detected. You see, as you photograph, and a continuous band, but a headed band, each head corresponding to a swing of the pendulum. The swing, however, assally takes only the millionth part of a second; you cannot hope to observe it without apparatus. But by proper arrangements—that is, by using a large expectly and discharging it through a large inductance—it is possible to

reduce the rate of oscillation till you get, ast millions a second, but only thousands, or even hundreds, a second; in which case, the oscillations will be demonstrated by the spark giving a whistle or a musical note, instead of a suap.

These are the oscillations which, in 1888, were shown to generate waves in the other

Prodigious Damity.

At the time when Clerk Maxwell gave the theory of either waves, in 1895, no one knew how to preduce them; they were not produced or demonstrated till twenty years later, partly by me in Liverpool, direity by Herts in Carlsruhe. Thereby Clerk Maxwell's Theory was proved up to the hills. Those are the waves we use in wireless telegraphy.

Speaking of Elasticity and Momentum or Density as belonging to the other—we must not suppose that other properties are just like those of matter—they are still more funds, mental. We must look to the other to or lain the properties of matter; not occurred.

Electro-magnetic arguments abow that the ether, though totally without viscoeity, or anything akin to friction, is all enormous density, militious of times more massive than lead or gold. That the ether is an substitutial will sound incredible; the other's prodigious density has no influence on machanics or on locomotion.

Lodge, the Man.

The Great Scientist at Work and Play.

EVEN to-day, when reference enters so much into our daily lives, it is the custom to regard scientists as "dry," "stodyy" individuals! Such a description could sever be

applied to Sir Oliver Lodge.

Horn in Staffordshire, the heart of industrial iem, it was natural that he should have been intended for a business career; but blessed with a keen interest in many things that most little hoys abonunate such as Greek and Eurlidhe early determined that there are more interesting things in life than commerce. Most of his studies were done in his bisure moments, and it says much for his application and deter-mination that he prepared himself for the shift examination for the London Matriculation, which he I a sed easily, and, cuttering later for the B.So. degree, he obtained First Class Honours in Physics.

Pioneer Work in Wireless.

That was the first rung on the lander of success, and after occupying many important scirctific posts, he was appointed Principal of the Uniersity of Birmington in 1000-a position he

held for numetion years.

As a rule, scientiste are specialists, but Sir Oliver has made himself an authority in the most diversified fields. Mechanics, electricity, educational reform, mathematics, psychical research, the problem of dispoling fugs, and the problem of making artificial rain have all claimed his carnest attention; but he will ever be endeared to listeners for his pioneer work In wireless.

In 1909, Sir Oliver retired from his past as Principal of Birmingham University to devote himself to the problem of the Ether of Space, and the source of talks by him that are appearing in The Radio Times give some of the fruits of

his studies. A Little Child's Compliment.

The possession of more than the ordinary share of brains has not deprived Sir Oliver of wonderful physical vitality. Although in his essently fifth year, he is still extremely active and holds himself as apright as any (marks) officer. Standing well over six feet, with broad shoulders and a massive bead, he is a striking figure anywhere. In spite of his crudition, beis greatly belared by children, and one little child once summed him up very truly by de-scribing him as "a great big lion with a white satin boart."

Golf and a keep love of Nature have belped to keep this famous scientist fit. His fondness for the beauties of the country is, indeed, almost a passion. "A man who removes a tree un-necessarily," he once said, "is a traiter to the custaining forces of life, while he who plants or preserves one is a massionary of comfort and strength." But the scientist side of him comes out even when he is inclined to be pactic, for he "Apart immediately added apropos of trees: from their refreshing beauty, trees are air purifiers and onygen generators."

The Disappointed Barbar.
Sir Offiver is fond of a good joke and he relates many amosing stories. Not long ago, he told of an experience of a selectific friend of his who weat to a certain large town in the Midlands to attend a meeting of the British Association. Entering a barber's shap, he found the proprietor vary loquacious.

"What is this British Association that is meeting here to-day, sir?" asked the barber. Sir Oliver's friend explained that it was a

society of learnest selectific men.

"Oh," exclaimed the barber in disappointed tones, "I thought it was a football team ! "

"The Roosters. All About

The Adventures of a Popular Concert Party.

At the loot of Civerpus, which rises unmatched, Mulst the Thruchen Hills, "The Roosters" were batched.

TME bung beavily at Summer hill Camp, about five miles from Salonica, in March,

A Lieut, H. H. Warren decided upon an attempt to relieve the manotony of this camp's life by the formation of a concert party. this he was supported by the Commandant, Captain Roose, A notice was posted calling for volunteers. It produced every kind of would-be artist. Thus it come about that, after many rehearsals, a final selection was made, and the "Ronsters" Concert Party " was formed on March 28th, 1917.

Mule Tails as Curls.

The male costumes they adopted had been left as dereliet by some regimental party, and the "girls" dresses were enade from curtain material, and dyed mesquite netting. promity, and hair from the tails of mules, provided the necessary our's for the girls!

Their first memorable performance was given on the main deek of the Mediterranean Fleet Supply Battleship St. George, in the presence of the British Ambassaster and his wife, Lady Grenville, officers of the Fleet, Army Hendquarters Staff, and a great number of

appreciative sailors

It was not until September 13th, 1917, that they were made the official concert party of the 60th Division. Until then, they had performed the regular daties of soldiers. Three days later, they started on their first descritour, which mated for twenty-eight days, throng which they gave twenty-one performances.

The Listeners' Friend



mr. F. 4. RHOWN, E.H.

THE resignation, on Mr. F. J. Brown, C.B., C.R.E. Assistant Secretary of the General Post Office, cannot be passed over without a note of regret and approciation,

Mr. Brown was head of the Department which dealt with wireless telegraphy and telephony, and deserves a considerable share of the credit

for the development of beoadcasting in this country. During the negatiations prior to the formation of the B.B.C., it was Mr. Brown who represented the Post Office. Likewise, during 1923 and 1924, when a succession of difficulties was encountered, it again fell to Mr. Brown's lot to represent the Government Department concerned. It is no exaggeration to state that much of the spaces of British Broadcasting could not have been achieved but for Mr. Brown's help.

To his ready sympathy and been interest, as well as to his judicial ability, the B.B.C. in much indebted. It should go without saying that he carries with him the good wishes of the B.B.C. to the new spheres of activity to which his retirement has opened the way. Incidentally, we are glad to feel that our rela-tions with Mr. Reown's colleagues who carry on his work are equally cordial. We hope and believe that they will find their future closer connection with us as pleasant as Mr. Brown assures us at has been to him; nor are we unmindful of what we owe to them already.

J. C. W. R.

One of their most interesting experiences was in performing to the 17th London Regiment, who were then in the front line. It was necessary to do this in the daytime, as, otherwise, the lights at night might have attracted the menty's gun tim.

A stuge was erected across the barbed wire entanglements. One of them has said that "the grease paint must have attracted the flies, for they swarmed on us, and to linger on a tup note was to get a mouthful."

In the Desert of Sinai the stage for the "Roorters" was built by the Lancashire Pioneers, and a rough screen was painted by means of a chaving-bruch, a necessary plant was camouflaged up the line as a case of bully beef, but eventually the "Theatre Royal, Smai," was creeted!

Materials were sentee and required for the grimmer business of war, so that their various "props" were more ingenious than cound. "peops" were more ingenious than cound. Wonderful effects, bowever, were obtained from bismit time, cardboard, wire, and word, and even a suit of armour was produced.

Acting in Abram's Vineyard.

Proceeding to Palestine, one of their engagements was with a famous regiment quartered in Alaum's Vineyard. This regiment had suffered severely, and were due to go into action on the night of the performance, which took place upon the stone floor of a carridor, with candles fee foot lights. The "Roosters" dressed on piled-up cases of Lewis gun ammonition, whilst the men were being served with their "120 rounds," and "root rations."

Each member of the audience est on his equipment ready for action abould orders come through. At first the entertainers provoked no response from the grim and silent subdiesbut soon tension was relaxed, and at the end they were able to arome roars of laughter.

" Army Reminiscences."

Over three hundred performances were given by them to the Armies in the East, in hospital wards, workshops, on warships, transports, in a Sultan's palace, in innumerable marquers, and in the desert wilds.

Mr. Percy Merriman, who was one of the original founders of the party, and is still its producer, has many and varied giffs. In addition to his flore for character acting, he had a good voice for part singing, and is a clever reciter.

Mr. Arthur Mackness, tenor, is the only member who appeared at every performance of the party. He was in Greece, Egypt, and Palestine. In the "Army Reminiscences" programme he played the part of an officer; his vocal duets with Mr. Septimus Hunt are much appreciated by listeners.

Mr. George Weston, plantst, joined the party in Egypt in the summer of 1917, and was known to the 60th Division as "Kitty, the charming

Mr. Septimus Hunt buritone, played the part of sergeant-major in the "Army Reminiscences" programme. Himself sergeant in the Artillery during the war, be was also associated with Mr. Rutland Booghton is the "Sixes and Sevens Concert Party," and organized many concerts at the London Command Depot.

Mr. William Mack, humarist, is a fine purtrayer of character, and in light comedy has just the right delicacy of touch. He is one of the original founders of the "Roceters," and in the early stages of its carrer he played as one of the "girls." His elever burieques of the fair sex, and his soprano voice, were much enjoyed by the Armies in the East.

H. P.

fficial News and GOSSIP Views. Gossip about Broadcasting.

A Solvation Army Evening.

REPRESENTATIVES of the Salvation Army will give the Sunday evening service at London on February 22nd. The address will be by Mrs. General Booth. In addition to the hymna, music will be provided by the International Staff Band,

Old English Music,

The S.B. programme on Tuesday, February 24th, will consist of two parts; the first being a programme of old English music, including Elizabethan and folk songs sung by Miss Gladys Palmer and Mr. Date Smith. Instrumental music will be provided by the Chaplin at the harpenchard. Miss Nellis Chaplin at the harpenchard. chord, Miss Ease Chaplin playing alternately the violin and the old and awest-toned viola d'amore, and Miss Mabel Chaplin playing the violoncello and its predecessor, the viola de CHECKERN.

"The Beggar's Opera" by Radio.

The next main attraction of the evening will be a shortened version, without dialogue, of The Beggar's Opera. The original music arrangements and compositions by Mr. Frederic Austin will be employed. The original orchestra from the Lyric Theatre, Hammersmith, with the exception of the above player, will be under the direction of Stanford Robinson, one of the conductors at Hammersmith. Machenth will be played by Mr. Frederick Ranalow, whose name will always be remembered in connection with his wonderful interpretation of this part at the Lyric.

Several principals of the original cast, in-cluding Miss Kathlyn Hilliard as Polly and Mr. Prederio Davies as Filch, will take part. Miss Cladys Palmer will take the parts of Mrs. Peachum and Lucy Locket and Mr. Dale Smith that of Mr. Posobum.

" Extra Turns."

A contrast to the Old English and Beggar's

Opera programmes from Lowlon will be found in the popular orchestral programme at Chelmaford on Tuesday, Februnry 24th. It will in-clude songs by Mr. Keighley Dunn (tenor), entertainment by Miss Madel Fitzgerald, and two more of Mr. F. W. Thomas's popular Extra Turos," given Extra Turns," given by Mr. George Bellamy, the actor.

Savoy Dance Music will be heard from 10.30 till 11 p.m.

" Sumson and Delliah."

Saint-Saina Opera Simson and Delilah will be given at the Manchester Station on Satorday, February 28th. Delifah will be token by Miss Enid Crutckshank, Samson by Mr. Walter Widdop, and the High Priest of Dagon by Mr. Lee Thistle-thwaite, They be the beautiful by the state of the beautiful by the state of supported by the under the direction of Mr. S. H. Whittaker, and by the "2ZY" Augmented Orchestre,

conducted by Mr. T. H. Morrison. This opera is being relayed to the High-Power Station at Chelmsford.

" Boris Godounge."

The Birmingham Station will broadcast the first act of Boris Godownor, by Alexander Push-kin, translated from the Russian by Principal Alfred Hayes, of the Birmingham and Midland Institute, on February 27th. The play is being performed by the Literary and Dramatic Society of the University of Birmingham, directed by Mr. Stuart Vinden. This production contains special music composed by Professor Granville Bantock.

" The Case of Lady Camber."

The "2ZY" Dramatic Company will present the sixth of their series of monthly plays under the direction of Mr. Victor Smythe on Friday. February 27th. They will perform The Case of Lady Camber, a play in four acts, by Horaca Annesley Vachell. The play was a great success in London at the Savay Theatre in 1015. It is a light and pleasing story with good dialogue. making it eminently suitable for broadcasting. A new member of the "27X" Dramatic Company who will be making her dibut un this occasion will be Miss Mary Eastwood. She recently secred a success in a performance of Discovery, given in Manchester by the Umamed Society.

Haydn's " Creation."

A performance of Haydn's The Creation will be broadcast from London and Chelmsford on Sunday, February 22nd. The principals will be Mr. Stiles Alien, Mr. Spencer Thomas, and Mr. Robert Radford. The Wireless Orchestra and Choras will be conducted by Mr. Percy Pitt.

Walsh Music, Song, and Drozne.

It has been arranged to give the St. David's Day programmes from the Cardiff Station on Saturday, February 28th. The performance will be a comprehensive survey of Welsh music,

song, and drams, with the traditional airs, such as "Clychan Aberdyth." The vocalets will be the Walter Glynn (tenor), Mr. Madoo Davies (baritone), and Mr. W. Morgan Evans, Pennillion singing with the barn. Harp solos will be rendered by Rhiannon James, The Station Orchestra will include among its selections Edward German's "Welsh Rhapsody" and a number of old Welsh tones, A play of Welsh life, Second Childhood, will also be presented.

Britishers All.

An interesting fact about the J. H. Squire Celeste Octat, which is to broadcast from London on February 17th, is that no foreign musician can become a member. Each of the right must be British, and a notability in the musical life of London.

Mr. J. H. Squire occupies the position of musical adviser to Miss Gladys Cooper, Mr. Frank Curzon, Mr. Gilbert Miller and T. B. Vaughan; in addition he is musical director of the Adelphi, Apollo, Playhouse and St. James's Thustree. Theatres.

For Yorkahire Listanors, Lt.-Commander Kenwerthy, M.P., will talk at the Hull Station on "The League of Nations," on February 24th, at 6.40 p.m.

Mr. George Macdonald, C.B., Ll.B., will deliver the last of his series of talks on "Roman Britain" on Monday, February 23rd, at 9.40 p.m. These have been S.B. to all Scottish Stations and to Bellast. This talk will deal with the withdrawal of the Romans from Britain and their deminantum of the industry. and the end of their domination of the island.

On Tuesday, February 24th, Mr. B. Mortimer Basten, F.Z.S., the naturalist, will talk on "Bird Fishermen and Their Methods."

Mr. E. W. M. Ballour Melville, M.A., Lectures in History at the University of Edinburgh, will give the first of two talks to schools on "Jumes L. King of Scots," at 3.30 p.m. on Wednesday, February 25th.

Scottish Singare.

The Edinburgh Male Voice Choir will take a prominent part in the programme to be broadcast from the Eastburgh Station on the evening of Friday, February 27th. This is one of the largest organizations of the kind in the city, and the numbers which they will remier on this occasion will be of on attractive nature.

For Newcastle Charities

The Newcastle prograntess on February 23rd will be broadesst from the Old Assembly Rooms, Westgate Road, Newcastle. Those taking part in the con-cert will include Miss May Blyth, Mr. Joseph Barrington, Miss Ivol, Miss Worth and Mr. Percy Merriman. The "5NO" Repertory Company will perform a short play, and 'ceile soloe will be given by Miss Hetty Page. All profits will be divided among local charities.



Drown by Berl Thomas.

"Now, dear-aff to hed !"
"Oh, Muzzuny, you are rade to talk when this gentleman is speaking."

PEOPLE YOU WILL HEAR NEXT WEEK.



to Broadcast.

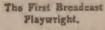
SOME excellent oratory is in atore for listeners on Friday, February 20th, for on that date a speech by the Earl of Birkenhead is to be relayed from the Chamber of Commerce Banquel at the Grand Hotel, Birmingham.

A brother peer— Earl Ballour—onco described Lord Birkenhead as

The most brilliant man of his generation," and considering the amazingly rapid strides that F. E. Smith (as he used to be known) has made on the

ladder of success, the description is not inapt. After a brilliant career at Oxford, Lord Birkon-

head became a K.C. within nine years of becoming a barrister, and he was only forty-seven when he occupied The Woelsack. To-doy, he is one of the busiest and most pupular members of the Upper House.



MR. RICHARD HUGHES' plays do not need may introduction to listeners. He was the first, and



STATE STATE STATE OF THE PARTY OF

or till a of the most popular, of our breader play-urights—the at hor of Danger, The Man II ha Sang in H to Math, Cargo Night, and Christopher Columbus. He had already made a name, before breadasting began, by his play The Sisters Tragedy, which was produced in London and New York which he was still an undergraduate a toxford. One critic has valled it "one of

the floest short fragic plays in the English language."

Now he has published a collected three. The Sisters' Tragedy and other Plays.' There are both tragedies and comedies; and all have been produced, at one time or another, in London theatres. The most famous of his radio-dramss, Danger, the coalmins play, is included also.

A Famous Liverpool Organist.

LISTENERS will have the upportunity, us February 21st, of hearing one of the finest organistangland played by a master organistant. Herbert F. Ellingford—for on that date one of the famous Saturday regitals is to be broadcast from St. George's Hull, Liverpool.

Mr. Ellingford gave his first public recital at the age of thirteen, and he was elected City Organist of Liverpool in 1912. The story of his election is an interesting one. When by the death, in 1912, of Dr. Peace, organist of St. George's Hall, the post became vacant, it was thrown open to public competition by the Corporation of Liverpool. Mr. Ellingford entered for this competition and won easily.



Miss ELESE SUDDARY will stop from Landon on Bunday, February 18th.



Mile BEATH CE EVELINE, Collin, who will branchest from various stations out week.



print, is to ting from Direct Wednesday, February 16th.

Mr. HAMBEL KUTCHER.

THE Kutcher Quartet only began to broad cast a few months ago: but it has already established a radio reputation, and listeners will be glad to know that it will broadcast again on Thursday, February 19th, from the Lendon studio. Mr. Samuel Kutcher, the leader, whose portrait this is, is also well-known as a soluist. He was a pupil of Albert Sammons and is noted for his virtuosity.



Nr. HISHARD HEIGHER,



Mr. M. F. ELLINGFORD.



THE ROOSTERS CONCERT PARTY.

(An article on the history of these popular entertainers will be found on page 239.)

Pieces in the Programmes.

A Weekly Feature Conducted by Percy A. Scholes.

PARRY'S "BLEST PAIR OF SIRENS."

(GLASGOW, EDINBURCH AND DUNDER, MONDAY). THIS is a noble setting for eight-part Chorus and Full Orchestra of Milton's fine poem,

At a Soloma Murick.

It is dedicated to "C. V. Stanford and the Members of the Bach Choir" and was performed. by them in 1887. Since then it has been performed by every considerable Charal Society in the country, and at every Choral Festival. It

It begins with a swinging, dignified Orchestral Introduction, which constitutes a sort of orchestral " Main Tune," out of the material of which the greliestral accompanishent of the piece is fashioned

At last the Chorus enters, in eight parts, in

plan, strong harmeroes:

Blest pair of Sirens, pledges of Heaven's joy.
Sphere-born harmonious sisters, Veice and

Wed your divine sounds, and mixed power

Dead things with inbreathed sense able to Pierco ;

A mere couple of bars of Orenestra alone, and then the voices enter with a little phrase of poem and music, one voice after another, until all are again united :-

And to our high-raised plantasy present That undesturbed song of pure consent.

Aye sung before the supplier-coloured throne To Him that sits thereon,

With solutly shout and solemn jubiles;

The music, we feel, is rising to a great climax. Two more bars of orchestral playing, and with full power of voices and instruments the climax

te reached .-Where the bright Scraphin in burning row
Their loud up-lifted angel trumpets blow.

The Orchestra repeats the last thrilling phrase of the voices, and then, with an interweaving of the eight vocal parts, the words are given

And the Cherubic host in thousand quives Touch their immertal harps of golden wires. With those just Spirits that west victorious

palms, Hymns deveut and holy pasims

Singing everlastingly.

Now the Orchesten repeats most of the Introduction. When it has played eight bars of this, the Chorda joins in (now in four parts

That we on earth, with undiscording voice, May rightly surver that melodious noise; As once we did, till disproportioned sin

against nature's chime, and with bareh din

Broke the fair music that all orentures made To their great Lord, whose love their motion awayed

In perfect disposon, whilst they stood In first obedience, and their state of good.

The graphic musical treatment of the thought of jarring sin, cannot be overlooked by any

A brief Orchestral interlude follows, and then. very touchingly, the Soprenos alone (and how effective their simple line of includy !) introduce the wish :-

O may we seen again renew that song,

The Tenors join, with the same tune, and before long the Altos and Basses have crept in, so that (in four parts) the whole Cheir is

O may we soon again renew that soug, And keep in tune with Heaven till God ere

To His celestial concert us units. Then Basses, Alton, Tenors and Sopranos enter (in that order) with the last line of the poem, taking up from one another a line of melody, fugue-fashion:

Te live with Him, and sing in engless morn of light t

Thus is built up again an eight part chorus, weaving and interweaving the choral thread, until at length, he plain, full simple chords (the Orchestra meanwhile giving out a fragment of the opening Orchestral Tune of the Introduction), they bring the music to a majestic close.

BYRD'S "GREAT" SERVICE.

(NEWGASTLE, SUNDAY).

The "Great Service" of William Byrd is so entitled, as its discoverer, Dr. Fellowes, remands us, for a merely technical reason. In Tudor days, when Cranmer had rigorously enjoined note-for-syllable setting of the words of the Liturgy, composers who required an outlet for a larger flow of the volume of their inspiration than this allowed occasionally ignored authority and wrote in the older, more florid style, so, necessarily, producing works of more length. Hence the existence of "short" services and great" services, of which Byrd wrote both. But the modern world, having now had an opportunity of hearing the latest of Byrd's works to be published, will use the word "great" in monther sense.

This is, Indeed, great music-great in the impulse behind it, great in the skill with which the composer has provided that impulse with its means of communication to us. This discovery of an extended piece of music of our best period, which for three centuries has lain hidden in scattered and dusty part books, has no more entiquarian interest. The event is comparable with the revelation of a new play of Shakespears's—even of an "Othello" or a "Hamlet."

There follows a very brief description of the music, section by section. (The word "Verse indicates solo voices or at all events a small body; "Fult" indicates the whole choir.)

I. VENTER O come, let us sing unto the Lord. For the most part a plain, simple line by line setting of the words. It starts with Sopranos and Altos (verse) only, the full choir entering at "Let us come before His presence," The Gloria is as simple and straightforward as what has preceded.

11. The Drum, We protest thee, O flod, The Priest sings the opening words, and the Choir then joins in (Verse). At "All the Earth" the Full Choir enters; the climax of the music comes at "Holy, Holy."

A new section opens at "Thou art the Ever-lasting God." "O Lord, have sterry," is beautifully treated

III. BENEDICTUS. Blessed be the Lord God of I woul. This is the most complex of the various sections of the Service. The voices "luntate" one another a great deal, in the taking up of the phrases. The Gloria is magnificently hold, and very elaborate.

IV. Kyrre. Lord have energy upon ve. Short

V. CREED, I believe in God the Father Almighty. Complex and expressive. Note how each clause

of the words receives its appropriate treatment.

VI. MAGNET AT. My soul doth magnify the
Lord. One of the finest portions of the Service. The Gloria is magnificent,

VII. Nune Dimerris. Lord, none lettest Thou thy serment deport in peace. Mostly calm and simple, but growing in intensity.

The shove is a very inadequate description, but as much as space will allow. The music is published for the Carnegie Trust, by Stainer and Bell, de.

Listeners' Letters.

IAT After to the Fitter to be achieved being from beat the

Syncopated Maxterpieces.

DEAR Sin, - Your correspondent, "G. A. K." says that syncopated music is a crare, pure and simple, and is bound to die a swift death. May I point out to "G. A. K." symopated music came into being long before he was born and will live for all time ?

He will find it in some of the works of the great masters, vis., Handel (Messioh), Mozart 12th Mass), and many others one could mention. It is also to be found in some of the Mission Hymn Hooks. What is the matter, in my opinion, is that the word syncopation is regularly contaminated with the awful word "Jaza." Syncopated music such as we hear played from time to time by the Savoy Bands is played superbly.

I have had twenty-five years' experience arranging programmes and know how difficult it is to please.

Costleford.

" AMATEUR MUSICIAS."

A Good Omen I

DEAR SIR,-We were onjoying a film in a Landon cinema the other evening and were far away in imagination on board a yacht off the Paint Beach, Florida. A gay party of young Americans was seen dancing on dock. Suddenly one of them said: "It's jaza-time in Pieradilly, let us tune-in with London." They tuned in the wireless set, and arranged the loud speaker.

The hand in the cinema stopped playing : we listened expectantly for the Announcer, and "2LO calling" was flashed on the series.

Inunciately we heard Mian-wew man, mon, mow-wow-wow www and the curron black cat marched down the gangway, broadcost ng at the top of his votes !

If there be anything in omens, we may take it as a good one, that a black cut should improvement "2LO" so early in the New Year. Yours, etc.,

America Heard at Cheimsford. Dr. s. Sm.—I have recently derived great pleasure from the programmes broadcast from WRZ the Westinghouse Company's station at Springfield, America. These transmissions are easily received after the closing down of the B.B.C. stations.

An interesting innovation is the provision of Radio University Extension Courses. A full announcement was made the other day, and these Courses appear to be arranged by the local authority for university education, in conjunction with the owners of the station. The subjects at present embraced are "Appreciation of Music," "Appreciation of Laterature," and French." Each course consists of a series of eight weekly lectures, together with correspondence with "registered students." The registration fee for each course is one dollar.

Several testimonials from students were breadcast, and seemed to indicate that the

scheme was very popular. Yours, etc.,

B.Sc.

Chelinsford.

A Good Word for Atmospheries ! DEAR SIR,-I feel that someone ought to put in a good word for Atmospherics. Atmospheries originate in sterms and form a aluable guide to their position. With their help, airmen can select their time and route so as to avoid the storms and their dangers. So atmospherica serve at least one useful purposo. Let fisteners remember that !

Yours, etc., "Aviaton." Cricklewood, N.W. (Continued on the facing page)

Listeners' Letters.

(Continued from the previous page.)

Secrets of the Broadcasting Studio. DRAM Siz, - Apropos of Captain Eckereley's remarks in The Radio Times, and as a result of my own observations, the following suggestions

have occurred to pic-

I notice that in the case of some singers the sound intensity of the voice dwindles so much es to give the impression that they had left the microphone. This effect, I assume, is the result of the unconscious movement of the singer, who at times throws his, or her, head back, or moves it from side to side. Now, the microphone, fixed at about four feet from the floor, is bound to miss the full value of some of the notes so directed, with resulting unevenness of sound volume at the receiving cod. It would, therefore, seem advisable that two or more microphones should be fixed in the studio and placed at least eight feet from the ground, as sound has a decided tendency to rise.

One does not expect singers to alter their methods which have taken years to acquire-indeed, to do so would probably introduce werse effects—but the transmitter should be adapted

to all possible ways to accommodate them.
We listeners should by this time be well aware that conditions in a small studio are different from those prevailing in concert halls and theatres. The truth about this is apparent to all, and is frequently pointed out officially; but the reason why the B.R.C. do not rent a suitably large ball for their operations is not quite so clear.

Yours, etc., Croydon.

The effect described in the above letter has not been noticed a great deal on the B.B.C. cheeling sets. It is suggested that possibly this feding of the sound is simply caused by as forts passage. The singer is sufficiently far forte passage, away from the enerophone to make any-movement of the head indistinguishable so long as the intensity remains the same. Delimite experiments have been made to prove this. The B.R.C. admit the desirability of transforming the present studio into an auditorium, and if ideal conditions could be applied at once this is the source that would be adopted. Unfortunately, ideal conditions are not possible at present, but an early improvement is anticipaled.]

Too Much Classical Music? DEAR Str.—Although I agree with "Satisfied Listener" when he says that there is too much criticism of your programmes, I think that a little critician most sometimes help you. I am the owner of a crystal set and, of course, can only listen to "5XX," and my own small grievance is that the programmes that we receive are rather heavy or classical. Although I like classical music, one can have too much of it, and I and a few of my breads to whom I have spoken about it) think that a "dance night" would be welcome.

Yours, etc.,

Wolverton.

LS

"Land of Hope and Glory."

DEAR Six,—In Mr. A. R. Cooper's interesting article in The Radio Times on Elgar's song. "Land of Hope and Glary," he quotes the Master of Magdaiene College as asking whether the Cantala in which the song occurs has ever been performed as a whole.

I remember bearing it sung by the Halla Concert Society, and I have been looking up my old programmes and find that it was sung by them on January 15th, 1003, in the Free Trade Hall, Manchestor. The conductor on this occasion was Dr. Hans Richter, who was a great admirer of Elgar and his music.

Yours, etc.,

Martin, Lincoln.

H. C. G. R.

How We Get Our Crystals.

A Thriving Industry Due to Broadcasting.

ONE of the most remarkable of the many reconomic and industrial results due to proadcasting is the trade in crystals, those commodities which, though they have mostly existed for untaid ages, were absolutely unknown to many of their present users only a few years ago. If, indeed, cross-word puzzles had been introduced before the "How to Make a Crystal Set " article, some such clue as "An ore" to a word of seven letters, ending in L, would have caused a queue ontaide the Goological Museum for the first time in the history of that institu-

Many Different Names,

Now, nearly every shop window in which wireless acconsuries are profusely displayed coutains specimens of crystals, which appear to be numbered by the hundred. They are actually not so large a family so they seem, because a particular orystal is often known by many trade names. An instance is galeno (natural sulphide of lead), which is a singularly polyonymous commodity. It is usually supplied in cheap receiving sets. Sometimes, too, a crystal may be either natural or synthetic, and in each case may bear a number of names. Still, to-day many substances, some of which are not orystalline, though for wireless purposes they rank as "crystals," are sold as detectors.

One class consists of natural crystals, such as, in addition to galena, copper pyrites and zinoite (exide of size). A surfacilty in this group is tellurium, which is an element of rare occurr were and is found in a few minerals in association with gold, silver, and bismuth. First discovered in the Maria Loretto Mine, Transylvania, it possesses many of the characteristics of a metal, but it is now generally classed among the non-

metallic elements.

A General's Discovery.

In another group come earborundum, silicon, and similar artificial crystals. It was with carborn dum that the supporty of crystals for which they are used in receiving was first revealed, General H. H. C. Dunwoody, of the U.S. Army, discovering it in 1914, in connection with wireless telegraphy. So the application of one marvel of pure science led to the revealing of another—that crystals, owing to their per feetly organized structure, will "rectify," or convert, an alternate outrent into a direct one, and thus act as detectors of electric waves.

Lastly, there are crystals which are coupled or combined with others, as graphite and galene, zincite and bornite (a copper ore), zincite and

chalcopyrite.

Thus a vast field—a field which, if it does not extend from China to Peru, comprises a large part of the earth's surface—is drawn upon for

Found at Home.

At home we have graphite, the principal sources of which are the blacklead mines of Cumberland; galena, which is mined in Derby-shire, Cornwall, Wales, and the Isle of Man; and copper pyrifes, one of the mineral products of Cornwall, where it is called "peacock ore," or by a term derived from the Towan Mine, "towanite." But some of these substances are also imported.

Among the natural crystals for which we are wholly dependent upon other countries are zincite and tellurium. The only places in the world where zincits is found in any quantity are the zinc mines of New Jersey, U.S.A., and tellurium is also of rare occurrence, most of the world's supply condug from North America.

There remain the artifletal erystels. Silicon can be obtained practically anywhere, because,

though it does not occur free in Nature, it exists in great profusion, in combination with other elements, in the solid matter of the earth, and is a constituent of substances an dissimilar in appearance as ashestos and clay. It can be obtained in the form we know it by heating In a crucible fipe sand with magnesium powder,

Made at Niegora Falls.

Carbonnalum, on the contrary, is a strictly localized product, though less so than it was a few years ago, because all of it was formerly made at Niagara Falls, and its chief place of manufacture is still there. Its components are coke crushed to a fine powder and glass sand, to which are noded salt and cawdust. This compound is placed to an electric furance, and through it an electric current of 1,000 horsepower of energy is passed for thirty-six hours, subjecting it to a heat of about 7,000 degrees F. When the furnace has cooled down, the contents are found transformed into large masses of beaut ful crystals, varying in colour from brown through green and blue to silver-grey.

Before General Dunwoody's discovery, carborundum, which, after the diamond, is the bardest mineral substance known, was used exclusively as an abrasive; but as broadcasting spread, it was largely pressed into service as a detector for receiving sets. Recently, however, it has been partly superseded by galena and other ores.

Careful Tests.

Crystals are prepared for the shops by numerons firms. Usually, the blocks of ere or other substance are delivered to them in lumps ranging from a few ounces to twenty or thirty pounds in weight, and are by them broken up into pieces that will fit into the brass holder.

Each is then tested separately on a receiver, because portions of the same lump vary greatly in efficiency. One may be satisfactory and the next give an entirely negative result. Every pound of some substances may, in fact, yield only about one ounce of good crystals. Carborundum, for instance, is singularly unequal, and firms which have bandled it have thrown aside as uncless for their purpose eighty per cent. of some blocks. The best lumps are said to be those of a silver-grey colour.

" Blind Spots"

Pieces which are all "blind spots," however, are not necessarily discarded. By specially treating them or combining them with other crystals, they may be made serviceable. After the pieces have been tested, they are placed in boxes or tubes, and then they are ready for the market.

A crystal should, therefore, give perfect satisfaction in use. No doubt, much rubbish has been sold, with the result that some listeners have tried one "marvel" after another without success. But plenty of aenative orystals can now be obtained, and any dealer of repute will supply them, T. W. WILKINSON,

A PHILHARMONIC PROGRAMME.

PART of the Liverpool Philharmonic Society's rinth concert will be relayed to Liverpool listeners on February 24th, when the conductor will be Mr. George Schocevoigt, and the solo violinist. Mr. Arthur Catterall. The works to be broadcast include: Overture "Carnavai" (Drorate), "Forest Murmura" (Siegries) (Wagnard William Carnavai") ner), Violin Concerto Op. 61 (Beethoven).

The latter part of this programme will be of particular interest, as Mr. Julies Galilard, the popular violinist, will broadcast from the Studio, assisted by Madanir Galilard and Mr. Robert Curtis in a violin, 'cello and harp recital,

WIRELESS (Feb. 15th.)

The fer	tiers "S.B." grinted in Stalles in those programmes by a Simultaneous Broadcast from the station man- id.	10.0.—TIME SIGNAL WEATHER FORE- CAST and GENERAL NEWS BULLE
210	LONDON 365 M.	TIN S.B. to all Statemen.
		Lacal Nows
	Star Ballard Concert.	10 15 De Groot and the Piccau Ily Orchestra
	S.B. to other Stations,	(Continued). The Originality
	ELSIE SUDDABY [Soprasol	"Londondervy Ale " ar, G. Colmen
	FERRERT HEYNER (Barttone).	Ave Maria" (By Roquest) Schubert
	CEDRIC SHARPE (Sele Violencette).	10.30.—Close down.
-	Duets for Two Panes.	A Company of the Comp
3.0.	- 0.00	SIT BIRMINGHAM. 475 M.
	Claude Pollard and Isabel Gray, and Vacuations, Op. 45. Schumann	3.0-5.0. A Programme of Favourities.
	Elsia Staldalty.	THE STATION SYMPHONY
119	Weep You No Mare " R Quitter (1)	ORCHESTRA
	Danny Boy " (Old Irish Air)	Conducted by JOSEPH LEWIS.
	Weatherly (1)	EDITH PADBOCK (Suprano).
	Night in the Desert" Edyar F. Day	WINTERED MORRIS (Controller
	approx.). Cedric Sharpe	The Orchostra.
A	iria (from "St. John's Passion")	Overture, " Stradella " Fietos
B	Innet Energy Parks Shorpe	Winifred Morris and Edith Paddock.
A	Beneards Semille Solmon	= He Shall Ready
	Herbert Heyner	Artiss His Flock (* The Come Units Messiah ") Handel
10	The Discipled Cheek " acr. Sumerrell"	Come Unto Messiah ") (Zigunda)
- "	The Golden Vanity Broadwood	
44	The Ben 1-1 C	Slaw Marcount and Finals from San
	Ward the Picate	Slow Movement and Finale from "New World Symbolics." No. 5, On. 85 in R.
	ert. Faughan Williams (11)	World Symphony," No. 5, Op. 95 in P.
	Claude Pollard and Isabel Gray.	Winifred Morris
	Petric Suite" Debussy	Arm, "But the Lord is Mindful" ("St.
	"Correge"; "Mennat"; Banet	Paul 1 - Mendebrucky
FO (u)	Phrox Elsis Sudday The Hestel" Bairston (14)	The Orchestra.
11	Shepherd, Thy Demanuar Vary	March, " Hall of Song"
	Brown, are, Lane Wilson (1)	Atta, "Fron Mighty Kings" Bund
44	By Thy Banks, Centle Stone Royce	The Orchestra.
8.0	O Yes, Just So" ("Phrebus and Pan")	Solemn Oceanire, 1812" February
	Cadas Shama	Winifred Morris
00	Minsteel s See	The Sands of Dee " Cyril Scott (4)
41	Ministrel's Some Fairy Story Grandense A Funny Little Fairy Story Grandense, grr. Sharpe Chanson de Nutt Grandense, Glanc (11)	The Orchestra
	Onelow Tenheme, are. Sharps	Selections from "Coppella Ballet Delibes
- 61	Chanson de Nuit " Elgas (11)	Edith Paddock,
	LRAMO STATES TO THE CAMERA	My Mother Bids Me Bind My Hair" Hayda
1.30. ((approx.). Herbert Hayner	The Orchestra
44	The Birds of Dethlehom " Walford Davies A Ballad to Queen Elizabeth " (First Per-	Selections from "Noteracker Soile" On
	formance) Is Stanton Jefferre	71 A Tehukovsky
11	An Epitaph " M. Besty (2) Apple Winda " M. Besty (1)	5.0-5.30.—CHILDREN'S CORNER. 8.B. from
10	Apple Winds " M. Hedy (1)	Cardiff.
1.	The Holy Child" Ensthope Martin	B.30 9.0. Hymn, "Hark, My Soul, It is the
1.69	Silhonettes " (from Op. 23) Brensky	Lord (A. and M., No. 260)
	Silhonetter" (from Op. 23) Areneky "The Coquette"; "Punch"; "The Droamer"; "The Dancer."	Religious Address by The Rev. L. BROWN. St. Andrew's Church, Bordesley.
	Druamer "; "The Dancer."	Hynn, "Ye Servants of the Lord " [A. and
	O CHILDREN'S CORNER, S.R. from	M., No. 268)
	Cardiff	8.0DE GROOT and THE PICCADILLY
TOK -	Hymn, As Panta the Hart for Cooling	ORCHESTRA. S.B. from Landon.
	Stream (A. and M., No. 230).	10.0WEATHER FORECAST and NEWS
331	ble Reading other, "He That Shall Endure"	8 B. from Landon.
	("Elitalt") Mandelssahn	Local News.
Ac	ldress by the Ray, H. C. THOMAS, M.A.	10.15. De Groot and the Piccadilly Occhestra-
	Private Chapla a to the Bishop of Lon-	10.30.—Close down.
	dos.	
H;	ymp, "Pesce, Perlect Pcaca" (A. and M., No. 557).	and marriagement of
		6BM BOURNEMOUTH, 385 M.
,0.	- DE GROOT	Russian Symphony Concert.
	THE PICCADILLY ORCHESTRA.	THE WIRELESS AUGMENTED
	HENRY LUSCOMBE (Baritons).	• ORCHESTRA:
He	layed from the Piccadilly Hotel, London	Conductor,
_	8.B. to other Stations.	Capt. W. A. FEATHERSTONE. WINIFRED SMALL (Violin).
	The Orchestra.	ADOLPH RIABIN (Tenor).
Ok	erture, " The Magic Fluts " Nova t	
-	Heary Luscombe.	E
I'r	ologos, "Pagliarei" Leancovalle	CHAPPELL
OT	Liobestraum Liszt Muider	and
	Henry Luseomba.	WEBER
17 /	Dovonshire Wedding " Lyell Phillips	planes are in use at the
	The Orchestra,	yarious stations of the
Gn	ando Funtairie, "Samson et Deblah"	I B.B.C.
	DOUNT-308311	

Lecal Nowa	
0.15.—De Groot and the Piccaully Orchestra (Continued).	3
Londonderry Ale	3
Ave Maria" (By Request) Schubert	100
0.30,—Close down.	
IT BIRMINGHAM, 475 M.	4
.0-5.0. A Programme of Favourities.	10
THE STATION SYMPHONY	
ORCHESTRA	1 4
Conducted by JOSEPH LEWIS, EDITH PADDOCK (Suprano).	
WINTERED MORRIS (Contraine)	4
Overture, "Stradella"	1
Winifred Morris and Edith Paddock.	4
Arias Ho Shall Food ("The Come Unto Him", Messah") Handel	.5
Artis Come Unto Messiah ") Handel	
The Orchestra.	- 61
Slow Movement and Finals from "New World Symphony," No. 5, Op. 95 in F.	
World Symptony," No. 5, Op. 95 in P.	
Windred Morris	8
Arm, "But the Lord or Mindful" ("St. Paul")	8
The Orchestra.	0
March, "Hall of Song"	
Arm, "From Mighty Kings" Bund	D
The Orchestra. Solemn Ocertore, 1812. Tennikovsky	-
Winifred Morrie	10
The Sands of Dec ' Cyril Scott (4)	1
Selections from "Coppella Ballet Detabes	10
Edith Paddock, My Mother Bids Me Bind My Hair'	м
The Orchestra	5 3.
Selections from "Noteracker Suite" On	-3.
0-5.50.—CHILDREN'S CORNER. S.B. from	1
Cardiff.	
JOO.CHymn, "Hark, My Soul, It is the	
Lord" (A. and M., No. 260). Religious Address by The Rev. L. BROWN	
St. Andrew's Church, Bordesley, Hynn, "Ye Servants of the Lord" (A. and	
M., No. 268)	
O-DE GROOT and THE PICCADILLY ORCHESTRA, S.B. from Landon.	
OWEATHER FORECAST and NEWS	
S. B. from Landon.	
15. De Groot and the Piccadilly Occhestra	
).30.—Close down.	
BM BOURNEMOUTH, 385 M.	
Russian Symphony Concert. THE WIRELESS AUGMENTED	
· ORCHESTRA:	
Capt. W. A. FEATHERSTONE.	
Capt. W. A. FEATHERSTONE. WINIFRED BMALL (Violia). ADOLPH RIABIN (Tenor).	5.1
THOSE I WILLIAM (TEMP)	
CHAPPELL	6.
and	
WEBER	9,0
planes are in use at the various stations of the	-
B.B.C.	of

3.0 Orobintra
Symphony No. 6 in E. Minor, Let and 2nd Movements
Movements Transcents
Adolph Bishin.
3.25. "Sloop, My Beautiful Mainten " Rived v.
3.25. "Sleep, My Beautiful Mainen" Rival y- "A Night in May" Koradon Hindeo Song " Soulto
"Hindeo Song" Soute
Concerto for Violin and Orchestra
Concerto for Yiolin and Urchenta
Tekning iky
Adolph Riabin.
4.0. "Why Are the Roses So Pall"
Tebestorsky
Prison Song " Stensy
Gopak " Moussargsky
4.10. Orchestra
410. Orchestra. Symptony Nu. 5 in E M nor led and 4th Meromenta.
Management Art of 15t for the little and and
With different and the state of
4.35. Wanfred Small E Amelot A Memory of Moscow Transaction
"Slave Dance" E Ambelot
A Memory of Mescow
4.45. Occhestus
4.45. Overture " 1818 " Telaiteraty
The state of the s
5 0-5 30 CHILDREN'S CORNER S.B. press
Cordiff.
0.30. Chair of the Church of the Appaneiation
Chor Master SIDNEY BIXT
Model " Jose Dules Manage O Fatter of
Breet 10 December 1 Habrer
Chor Master, SIDNEY J. BINT. Motet, "Jusu Duleis Memoria" (Vittor a), Hymn. "O Paradise" (Wostmanner
44 Y STEEL CO.
8.35.—The Rev. PERCIVAL THIGGS: Re-
ligious Address
8.45. Cheir.
tryinn, "desug, flora he thou are the
Hymn, "Jesus, Lord Be Thou My Own (Westmuster Hymnal, No. 65)
Moter, Justorem Anthie Tarry
BO -DE OROOT and THE PICCADULLY
ORCHESTRA, S.B. from London.
10.0 -WEATHER FORECAST and NEWS
S.B. from London
Lexist News,
Lexist News,
Local News. 10-15.—De Groot and the Piccadilly Orchesta
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10.15.—De Groot and the Piccadilly Orchester 10.30.—Close down 5WA CARDIFF. 351 M. 30.4.30. BLODWEN CAERLEON (Voognet). THE STATION ORCHESTRA: Conductor, WARWICK BRAITHWAITE. The Orchestra. The Italian Symphony Mendelstoke Blodwen Caerleon Yonder Mendel Singing Mendelstoke Blodwen Caerleon Yonder Mendel Singing Mendelstoke The Orchestra. Selection Happer and Grotel Mampredisce Blodwen Caerleon O Lovely Night Mendel Gotel O Lovely Night Mendel Gotel Still as the Night Prank Bridge Still as the Night Prank Bridge Still as the Night Mendel Sulte, Bergamsagne Mendel Gotel When All Was Young "Foust" May Berne Gotel "When All Was Young "Foust" May Berne Gotel "Spring Song" Mendel and River" May Berne Gotel "Spring Song" Microtich "Coronation March" Blenberg 5.0-5.30.—CHILDREN'S CORNER. S.B. to all Nintions. 6.30-8.C.—Religious Service relayed from Trede- garville Bantist Charch. Preaches a The
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WIRELESS PROGRAMME—SUNDAY (Feb. 15th.)

The latters "E.O." printed in Malics in those programmed argusty a Simustaneous Broadcast from the station mun-tioned.

10.0.—WEATHER FORECAST and NEWS, S.B. from London, Local News

10.15 -De Groot and the Piccadally Orchestra, 10.30.-" The Silent Fellowship."

10.45. - Llore down.

375 M. 2ZY MANCHESTER.

3.0-5.0. Soneta Recital, Soles and Songs.

MERCIA STOTESBURY (Violin).

ETHEL BARTLETT (Pinno).

STEPHEN WILLIAMS (Ban).

Merca Stotesbury and Ethel Bartlett.

Sonata ("The Kreutzer"). Beethoes Adapte Sosience: Andapte con Vavo-

Soldens Andaots con Vivin

Zione; Pieto

Sephen William

Old English Solge.

It Was a Love and Ho Lass

T dioricy

What Shall I In Heavy Parcel

All in a Garden Green " I Truth

Love Will Find Out the Way" House

Merrin Stotesbury

After a Dream " Faura

Rendo " Heavy Areas' Back

Redections in the Water " Behaver

Hark, Hark the Lark " Behaver Least

Stephen Williams

Love's Flame " Rockman nor

Dream is the Twilight" Rockman nor

Dream is the Twilight " Brack

Now Shoops the Crimon Petal"

"A Bann of Wandering " Barty (11)

Mercia Stotesbury and Rina Bartlet.

Sotata in A Major " Char Franck

Allegratio ben Modorato; Allegen

Recitative Fantasia Allegrotto poco

5.0 5.30. - CHILDREN'S CORNER S.R. Jose

0.0.—S. G. HONEY: Talk to Young People 0.26 English Hyzonal, No. 89, "Glory De to

Religions Andress by the Rev. J. J. WELL'H, of Mount Cornell Church,

WELLH, of Mount Corned Church, Saliced.

English Hymnal, No. 393, "Glorious Things of Thee Are Spoken."

English Hymnal, No. 277, "The Day Thou Gavest Lord, is Ended."

6.0 -DE GROOT and THE PROADILLY ORCHESTRA. S.R. from London, IDO - WEATHER FORECAST and NEWS. S.B. from London, Local News.

10.15. -De Groot and the Piccadily Orchestra, 10.30. Close down.

NEWCASTLE.

3.050 Programme S.B. from Landon. \$ 0-5-30 -CHILDREN'S CORNER S.B. from Cardin.

Religious Service. 3.B to " 5XX.

Bach Choir. Chorses Christ Lay Buck Address by The Very Rev. The DEAN OF DURHAM.

Bach Chair Churales O Thom Consoling

Byrd's Great Service S.B. to "EXY"

THE NEWCASTLE BACH CHOIR
tendected by Dr. W. G. WHITTAKER
Relayed from Brinowick Place Church
Order of Service - Vente, Te Deum 1st
Lesson, Benedictus, Kyris, Creed, 2nd
M. None Dimittis,
The Lesson of Service developments of the Rev. A. E.
CORNYBEER, Vent. S. Join 2.

10.0.—WEATHER FORECAST and NEWS.
S.B. from London. Local News.
10.16.—DE GROOT and THE PICCADILLY
ORCHESTRA, S.B. from London. 10.30. - Close down.

ABERDUEN

3.0-5.0.—Programms S.B. from London. 5.0-5.30.—CHILDREN'S CORNER, S.B. from Caro #

Pealm 68 w. IS to 20 (Tune Tweston ").

J. MICHIE (Tenor)

The King of Love

The Rev. JAMES C. DUNN, M.A., Gilconniton U.F., Church; Reig ons

Address. Choir: Paraphrase 65, v. 5 to 11. 9.0-10.30.—Programmic 8.B. /sem London.

GLASGOW.

3.0-5.0 .- Programme S.B. from London. 5.0-5.30 -- CHILDREN'S CORNER, S.R. from Cardiff.

8.30.—Cheir: Palm No. 33. "Ye Righteous, is the Lord Rejoice" (Tues: " Irish").

The Psalter.)
The Bev. JOHN LINDSAY, of Wellfield
U.F. Church, Springharn: Religious

Address.

Hyden, "Fight the Good Fight" (Tune:
"St. Ortapin") (Church Hymnary, No.

Prayer, "O for a Closer Walk with God" (Church Hymnsry, No. 226).

THE WESTBOURNE CHURCH CHOIR.

Conducted by A. M. HENDERSON. (Organist of The University of Glasgow.) "A Cappella" Church Music of the 16th

Psalm No. 124 (Scottish Psalter 1556) (Tune: "Old 124th") Toll 1510-1560
"All People That on Earth Do Dwell."

Farrest 153) 1560
"Hide Not Thou, Thy Face."
"Call to Remembrance "William Mondy

"O Lord, The Maker of All Thior.

"O Lord, The Maker of All Thior.

Order to Obliver 12 11-152.

"Almighty and Everlaving God."

"Deep, Drep, Stee Tears.

"1:24 1094

"O Bone Jess."
"Come, Eoly Ghost Vittoria-1540-1803
"Jesu dulels memoria,"
"Of the Glorious Body Telling," Email 1563-1611.

"The Presentation of Christ in the Temple," Psalm No. 134 (Scottish Psaiter 1564 (Tune: "Old 134th")

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

Local News.

10.15.—DE GROOT and THE PICCADILLY ORCHESTRA. S.B. from Lundon.

10.30,-Close down.

A prominer against a maniful item indicates the nature of its publisher. A boy list of publishers will be found on page 367,

EVENTS OF THE WEEK.

SUNDAY, February 15th.

LONDON and "5XX," 3.0.—Star Ballad
Concert. S.B. to other Stations.

LONDON and "5XX," 3.4. De Groot
and the Piccardilly Orchestra. S.B. to

other Stations.
BOURNEMOUTH, 3.6. Russian Symp-

MANCHESTER, 3.0 Sonata Recital | Soles and Songs. NE WCASTLE and " 5XX," 6.30. Byrd's

Great Service by the Newcastle Bach Choir. Address by the Very Rev. the DEAN OF DURHAM.

GLASGO W, 9.8. Recital of 16th Century Church Muric. LIVERPOOL, 9.9. Operatic Evening by the British National Opera Company.

MONDAY, February 16th, NE WCASTLE, 7.30. Music and Comedy: A Scene from "The School for Scandal" (Sheridan). GLASGOW, 7.30.—Choral and Orchestral

Evening

TUESDAY, February 17th.
"SXX," 7.30.—Operatic Programme.
LONDON, 7,30.—Musical Comedy Excerpts. S.B. to all Stations.
BELFAST, 8.6.—Belfast Postman's 13th
Concert, relayed from the Ulster Hall.

WEDNESDAY, February 18th.
LONDON and "5XX," 7.30.—" From the
Mystic East."
BIRMINGHAM, 7.30.—The Band of 2nd
Batt. The East Yorkshire Regiment.
CARDIFF, 7.30.—The Music of Edward

MANCHESTER, 7.10. Operation NE WCASTLE, 8.30. Violin and Piano-Inte Recital.

ABERDEEN, 7,30. Choral and Orches-

tral Evening. BELFAST, 7.30,—Symphony Concert-

NOTTINGHAM, 7.30,-The Nottingham City Orchestra.

THURSDAY, February 19th.

"EXX "2.0. LONDON) Planoforts Regital
and "5XX " 10.0. | by SAPELLNIKOFF

"5XX," 7.35.—Meake relayed from The
New Pripes's Restaurant.
LONDON, 7.35.—Chamber Music Evening. S.B. to other Stations.

BOURNEMOUTH, 7.35.—Musical Appre-

ciation: 1st Night.

MANCHESTER, 7.35.—Vocal and Instrumental Hour.

GLASGOW, 7.35.—Spanish Scenes.

FRIDAY, February 20th.

LONDON and "5XX," 8.25 (approx.).—
Speeches at the Civil Service Dinner, relayed from the Connaught Rooms, Holborn Restaurant, London S.B. to other Stations.

BIRMINGHAM, \$.15.—Speech by the Rt. Hon. The Earl of Birkenhead, K.C., relayed from the Chamber of Commerce Banquet.

BOURNEMOUTH, 7.30.—Monical Appreciation Second Night.

CARDIFF, 7.30.—"The Charm of Variety."

MANCHESTER 7.30.—Casset in All of

Variety."
MANCHESTER, 7.30. Concert in Aid of the Lord Mayor's Unemployment Fund, relayed from the Free Trade Hell. NEWCASTLE, 7.30.—" From the Cotton Fields."

SATURDAY, February 21st. LONDON, 7.30.—Band of H.M. Scots

Guarda.

BIRMINGHAM, and "SXX," 7.30—
A Nigger Ministral Programme.

MANCHESTER, 7.30.— Pontomine,
"Cinderelle,"

EHERUSEN, 7.55.—Violin and Planeforte Recital.

ABERDEEN, 5.35. A One-Act Force,

"The Cure."

WIRELESS PROGRAMME—MONDAY (Feb. 16th.)

The letters "5.8." printso in states in these programmes angully a Simultaneous Broadcast from the station mentiones.

2LO 365 M. LONDON. GEOFFREY SHAW on "Music." 3.15-1.45.

4.0-5.0. Time Signal from Greenwich. " Vegues and Vanities, by Carmen of Cockaigns.
Music performed during Afternoon Tea
at the Tree-leve Restaurant. "Home
Cocking and Its National Importance."
by C. Herman Sean, M. B.E.

5 10 - 6.15 CHILDREN'S CORNER : "Possy's Problem," from "Ro Peep," "Antran's I Have Met : (2) The Wolverene," reld by Caps. H. G. Mansfield.

6.40 6.55 Mr. C. W. J. UNWIN : Sweet Posts.

FIME SIGNAL FROM BIG BEN-WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. S.B. 7.0.-TIME

to all Stations.
red. J. E. G. DE MONTMORENCY
"The Law of the Household," S.B. t all Stations

Local News.

The Rooslers' Mixed Grill.

THE ROOSTERS :
ARTHUR MACKAESS (Tenor).
SEPTIMUS HUNT (Buctone).
PERCY MERRIMAN (Emertainer).
WILLIAM MACK (Humorous Enter(ainer).
GEORGE WESTERN (Pianist and

Entertainer).

THE WIRELESS ORCHESTRA Conducted by DAN GODFREY, Junz.

The Orchestes.

Orchestre

A Life from "A Day in the Country."

At the Foir "William Money A Touch of Ground Gugnof:

"The From Tadpole,"

"The Clutching Toothpick."

The Concerning Tentiques.

Percy Merriman (Incidental Music supplied by Dan Godfroy, June.)

"An Old Trees Nigger Enters a ment"

Percy Merriman and William Muck

9.90 TIME SIGNAL FROM GREENWICH.
WEATHER FORDIAST and IND
GENERAL NEWS BULLETIN. S.B.
19 off Stations except Bournemouth

Topical Talk,

Local News.

The Orchestra.
Schotton, "A Waltz Dream" Occor Strong
Amy Gwinnett at the Pinno. The Orchestra.

"Czardis" Michiel 10.30.-Close down.

BIRMINGHAM.

5 30-4.30. The Station Wind Quintet. Made Lee Drainatic Recital). Kattdoon Howeld

5.0-5.30. WOMEN'S CORNER: School Process F.R.H.S. "The Cultivation of Early Pointees." Marjorio Palmer (Sepreso).

5.20-6.30.-CHILDREN'S CORNER.

6.30 6.55. "Teens' Corner: Norman E. L. Grant, B.A.: "History Talk: (7) Miroclo and Mystery Prays."

7.0 -- WEATHER FOREXAST and NEWS. S.B. fr London

Prof. J. E. G. DE. MONTMORENCY. S.B. Jana London

Local News.

A Varied Programme.

THE STATION ORCHESTRA.

JOSEPH YATES (Bartone).

JANET JOYE (Songs at the Piano).

RICHARD MERRIMAN (Solo Cornet).

The Orchestra.

...... Rosse Modern Suite In a Country Garden | Nocturno : Humor-PBQ*IP

A Short Lecture-Recital on "The Peet's Life" Schumann The Orchestra.

Entracts, "Amma Links
Fartacio, "Romeo and Juliet" Council Tures.

Dog " ... Harabl Morrow Cresbie Control "A Fantesio
"The OrchestraLove Dance from " Madama Shorry
Handam

Selection of Italian Folk Songs are Langey 2.30 -- WEATHER FORECAST and NEWS. S.H. from London.

Topical Talk.

Local News The Orelandra. Suite-Ballet Papy
Entrée Mazurka : Pizzicati ; Valse Lente ;
Largo ; Final Galop.
Richard Merrimun.

Solection, "Manon Lescant Precini-Tavan

10.30 - Clese dawn.

6BM BOURNEMOUTH, 385 M.

2.45-5.0,—Talk to Women by Mr. R. Hart-Synnot, Burser of St. John's College, Oxford. The "6EM" Trie Recursed S. Monat (Vicini), Thomas E. Illing-worth (Cello), Arthur Marston (Pinno), Arthur Godwin (Baritone).

3.0-6.0.—CHILDREN'S CORNER

6.0-6.30.—Scholars' Half-hour: "Elizabethan Poor Law Reform," by Mr. G. Guest, B.A., J.P.

6.20 6.45.—Bulletin of the Radio Societies of Boornemouth and Districts.

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

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

7.30 Su. Interval.

Winter Gardens Night.

THE MUNICIPAL ORCHESTRA: Conductor: Sir DAN GODFREY. THE NORCHOSS QUARTET.

Orchestra.
Two Serman Dances Granville Bontock (14)

Quartet.
Missical Just, "The Meeting of the Waters (Mineral Waters)". J. L. Receket Lall Me to Sleep, Ye Winds"... Kulner

Interval. Orthostra.

Suite de Bullet, "Le Cid Mussenst J. CRAEN (Solo Obse). "Sedue Pasterale" Frederic Bongon Orehestra.

Salte of English Dances .. F. H. Coreen [11]

Negro Spirituels " I Got a Home in Dat Rock str. Lawrence Brown Spirituels " Who Did Swallow Jounh 1 arr. D. Protheroc

Plantation Song, "Way Down Upon the Swange River" Forter Specially arranged for the Norcross Quartet by Martin Van Lennen.

10.0.-WEATHER FORECAST and NEWS. Local News-

le 15. THE ROYAL BATH ROTEL
DANCE OBCHESTRA.
Musical Director, DAVID S. LIFF.
Relayed from King's Hall Roces.

11.0 - Class down.

5WA CARDIFF. 351 M.

2.0 4.0 .- Falkman and his On hestra, relayed from the Capitol Cinema.

145-5.15. - SWA'S" - FIVE O'CLOCKS." 5.15-6.0. CHILDREN'S CORNER.

0.40-6.55,- Dr. Jas. J. Simpson, M.A., D.Sc., Romaness of Natural History."

7.0.-WEATHER FORECAST and NEWS.

S.B. from London.
Prod. J. E. G. DE MONTMORENCY
S.B. from London. S.B. from London. Lord News.

By Wiry Ways and Wireless Waves.

Another Trip Round the B.R.C. Stations.

8.30 .- WEATHER FORECAST and NEWS. S.B. from Lands

Local News.

10.0.—By Wiry Ways and Wireless Waves (Continued).

10:30.-Closs down.

MANCHESTER.

3 0 3 30 Missic relayed from the Oxford Fig. 4.0-4.30 Conductor, 8. Spurgin.)

3.30-4.0.—Brougenst to Secondary Scinols (Seniors): Mr. Edward Crossy on "Little Drops of Water, and Little Grains of Sand" (1).

4.30-6.0.—WOMEN'S HALF-HOUR; Aber Reddah Lloyd (Soprano)

5.0-0.0.-CHILDREN'S CORNER.

6.30-6.55.—J. F. Russell, "Musical Apprecia-tion" (7).

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

Prof. J. E. G. DE MONTMORENCY.

S.B. from London.

Local News.

Light Music and a Play.

DEATRICE EVELINE (Solo Violancello), JOHN BUCKLEY (Baritone), THE "2ZY" MERMAID CLUB, THE "2ZY" ORCHESTRA.

Orenesira.

A number against a marical items indicates the name of its publisher. A key list of publishers will be found on page 357.

Popular Songe

WIRELESS PROGRAMME—MONDAY (Fab. 16th.)

6.45. Constance Westworth and Frederic The options " 4.9." printed in italics in those programmes wently a threateness threateness them the station man-* Miscore Scene Trovatom Ford Thm Remove Take Ma Up to the Hielands " Lonsdute Mayor The Keys of Hoaven Traditional (11) " Le ce a Rival Har Stolen My True Love " 930.-WEATHER FORMAN, am NEW S. O. THE " ENO " REPERTORY CONTANY S B. fram London "Ke v My Love, Will You Marry Me v. "The Pretty Creature" or 1 to 1 to 2

The Pretty Creature" or 1 to 1 to 2

Old Tri-h A The Showy Brens on Pour! arr. O'County Morro.

1 to 1 to 1 to 1 to 2

"Mary of 4 to 2 arr. W H Squire (1)

Ho do Mr GEORGE MACDONALD. S.H. from THE SCREEN SCHOOL Ed at weap "ThE SCHOOL FOR SCANDAL" (Richard Britisley Sheridan). Local News "Danny Boy " Marrison Weatherly (1) "Wold Befor Bide a Wee " . Clariber Prologue written by David Garrick Ho de De e e 29 0 The Giory of Russia " A Continuous of the art Orchesten
Remansuouses of Venix " ********* Godfrey "Business Lineary J. No. Bus v. Coleradge Traytor 11
"Bour dubouts and Swings Conffrey Those (2) 10 30.—Close down. 120 WEATHER FORECAST and NEWS Type at Tak GLASGOW. 420 M. 2 to 4 to The Wiceless Quartet, Robert F Johnston (Tonor), Asternoon Topics. Louis News Qr-thestri Overture Fide to Coar Gazet Suite Rotte Local Collady or H Note Popul 60 CHILDREN'S CORNER far of C. 6 a. What said I wheat for Parmers Or he es C. I. o ... r. Pickeridge r. Topica, Talk. to 30 - Carso Josep. W Rock a Bye, My Baby Blues "
Hill and Fooli (51,
I x t t C va ' ltarry Warren (31 7 C -- WEATLER FORECAST and NEWS A REAL PROPERTY. 495 M 8 B from London. A 50 The A record force Collectal Prof. J. E. G. DE MONTMORENCY. & B. My Recepts from London OF WEATHER FUSING AS N WS po-80 Cillibrias COPS, R. Wait S B trom Landon Topicas Talk. Loca News Local News the Grain of Rice Said Choral and Orchestral. o 15-6 30 and not News Balacti Talk THE STATION CHOIR AND ORCHES-Memod 6 to 1 "ST SIMEON STYLITES A Play by P Sladen Smith TRA
Conducted by
HERBI HT A. CARRUVFERS
HARRY BRINDLE (Bass-Baritone),
5 B to Edinburgh q. 4 f h. stee (40 Can Pry Sec. 12 News Belgin Fe & ny Pond Lamber V W 1228 Fel Troop) on "The Patrol from a read Lueder's View-point 1 1 30 Close dusm. 400M. THE STATE OF THE Orchestra Musical Country (art " Musette Country belections "The Wlivingia" ... Chappelle Record To the Arman Arman Land Record (Tener) Clare North Carea Lands S. B. from London Local New 15 C INLARENS CHAPR

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Record to Fact in the Present—Our

Forms Popular Evening MARGARET MILNE (Soprano) CONN.E AND SISSIE DUNCAN JAMES SAME TARE
THE WIFFLESS ORCHESSINA Marina Urchestra Marina Marina Comedy Selection, " Had Results of Experiments—I. Murrin Shaw Selection So 1 s 7 A. ACE E & FORECAS PAID NEWS, S. L. Frot. J. F. DE MONIMERFNEY
S.B. from L. & "If I Might Only Come to You Dubana Choral Work for Choir and Oversera. Bires Pair of Sirans " ----- Perry (11) Musical Cornerby Selection, "The G " Melesarde to the Wood Lound New Are you Going to Desice this is a factor of the state of Music and Camedy CONSTANCE WENTWORTH (Sophie FREDERIC LAKE (* THE STATION ORCH $\frac{1}{L} \frac{br}{r} = V$ 9.10. Chural Work for Cheir and Orenestra. From the Bayanian H gleanth "The Dance"; "False Lave"; 'List by "; 'Aspiration"; 'On the Alm * monetor EDAVABD CLARK The Garden of Urness Teach on Time to the Osman Mark of Mark of Mark of the Osman Ma 1 THE 1PT. Ossetur "Queen for a Day" or Admir Sometime Bound (Cavalierta Rusticana 0 30 - WEATHER FORECAST and NEWS-Selection. Lane 1 Tom ** The Sough M. M. are S. L. matrix a. a. L. m. L. m. L. S.B. from Lo Mr. GEORGE MACDONALD. S.R. from kdo. h & then ' Somewhere a Voice is Calling ' T v N to Water to the at Last "Lang Lang Syne Flower Stellen Louter Land P 4- 1 "Half last Two Mone Sympathy"
"The Kingdom I'll Bood For You." Conway A | In Cotendre Traylor (11) to the Crebs I come T can be a Wenner T can be a went to the control of la ~ Sharps Who Car I to I Easthope Martin We won Day Operation What Swapes River " Martin to. Concert Valsa, "The Marry Widow Large Martin Concert Valsa, "The Marry Widow Large Martin Concert Valsa, "The Marry Widow Large Martin Concert Valsa, "The Marry Widow Large Concert Valsa, "The Marry Widow Large Concert Valsa," March, " Gammt Serlsa 1.03ht Vertical Venues of Traditional (1)
Sweet Signal and Traditional (1)
Sweet Signal and Traditional (1)
Sweet Signal and Traditional (1) 10.30.---Close d will Traditional (11) A number against a municipal stam indicates the course of its publisher. A boy list of publishers will be found on page 357

Marco. The Night Patrol 1

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 but it will be carefully checked with the latest available information. The times given are according to Greenwich Mean Time.

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WIRELESS PROGRAMME—TUESDAY (Feb. 17th.)

The letters " S.M." printed in statics in these programmes signify a simultaneous Broadcast from the signion mustioned.

2LO LONDON.

1 0-2.0.—Time Signal from Greenwals. Concert The "2LO" Trie and Barbara Saircool

3.15-3.4) Ten samp to Schools "The Countryside—A Walk by the Bover, by Patr on Johnson.

4.0-5,6 Tone Signal from Greenwich Book-To Reed, by Ann Space. Oran a d Orchestral Music relayed from Shipherd's Bush Pay Lon. "Historical Partures (7) Mrs. Papys," by Alico Canninghance

5.30 f.15.—CHILDREN'S CORNER 'The Dwirf's Hole," by Mannington Soyers Vivien Lambelstanging "Mother Moon" and some Numery Rhymes

6 40-6.55.—An Appeal on behalf of Queen Mary's Hospital for the East-Emt, by Sc LEONARD LYLF.

T ME S NAT FROM BLE B N V STER FOREGAST SEC. 183 CEN RAL NEWS EXCLETAN SE to all Stations

JOHN STRACHEY, Livetwey Criticism.

Local News.

Musical Comedy Excerpts.

S.H. to all Storms

THE J. H. SQUIRE CELESTE OCTET MAYER GORDON (Leader).

FRANK READE of the Piono Under the Direction of J. H. SQUIRE MAVIS B NN TT (Suprano, Y CTOR + ARNE (Temor)

WILSON JAMES and PASINER (The Wranglers ").

JACK DUNCANSON (Recital)

The Octet

Victor Carne. "Underneath the Liles Bough" ('Laine Time") Schubert (Automi "The Drinking Song" (" Bose of Persin")

The Ottet Value, "The Pink Lady " Caryll

8.0 (approx.). The Wranglers. In an Original Entertainment The Octet

Belection, "The Neighty Princess" t - itter

Mayie Bearett and Victor Carns. "Flower Dust [Like Time "]

"It is the Month of May" ("Merric Pingtand")

10 (appear). The Octot.

Valee, "The Cinema Star"..... Others Joek Donés sen-

"The Groom's Story Coran Loyle The Octot

Selection, "A Princess of Kennington Овгинал

The Wranglers Entersain age ti The Octo

Value, "The Count of Lazzemburg " Leher 9.5 (approx.).-From My Window, by "Thile

Mavis Benzett

"O Who Shall Say that Love to Crust ?"
('Merrie England ') German
Let Song ("Let Clochee de Curneville) I'lanquella Victor Carne
Love n My Heart Awakening " (" The
Mary Walow")
"I Don't Care" ("A Walta Dream ?)
Owner Strains

The Octob Love Dunce (Madama Sherry) Howking

9 DO TIME S GNAL FROM RE NW CH Was THE FIR CAST and PND GENERAL NEWS LITTIN S B

See OLIVER LODGE FR.S., The Magnetian Behaviour of Scient What Magnetism is Like and Its Analogies with Lde." S.B. to all Stations

Loca News.

16.6 THE SAVOY ORFHRANS AND SAVOY HAVANA BAND, relayed from the Savey Hotal, London, S.B. to all

1.0. - Close down.

BIRMINGHAM. 475 M.

2.30 4.0.- Lorella Picture House Orchestra-

to School Tracs as m Principal Alfred Rayes (of the Birmingham and Midland Institute), English Latera

5 9 5.80.—WOMPN 8 CORNER R. Doro-best Barcroft, General Instruct Tala

5.30 5.30. CHILLDEN'S CORNER

6.30 d.45. Teors Corner: J A. Cooper, B.Sc., Assoc, I.R.E., "Stepping Stones to

7 0-11.0.—Programme S.B. from London.

6BM BOURNEMOUTH, 385 M.

3 48-5.0.—Talk to Women: "Lendon Papers Fitt and Marks (Enterioners). Violet Lee (Soprano). Harman Draper (Rag

5 (6) CHILDRO-N'S CORNER.

6.6 0.30.—Schours Half Hour: "How to Select Pictares by Walter Hutton

IMPORTANT TO READERS.

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

1ETTERS FOR THE B.B.C containing programme suggestions or criticisms, should be sent to the Organiser of Programmes, 3, Saxoy Hill, W.C.2.

RATES OF SI BSCRIPTION to "The Radio Times" (including postage); Twilive Montes (Poreign), 15s. Ed., Twilive Montes (British), 13s. 6d

" RADIO TIMES " READING CASE.

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Means, George Nownes, 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 programms, and this is included conveniently in a slot at the side Lasteners should order this to-day from any Newingunt. It is published at Zs. 6d., or send 4d extra to cover mostars for a case from the extra to cuver postage for a case from the Publisher, 8-11, Southampton Street, Strand, London, W.C.2.

5 30-6.45,—Farmers' Talk , "Commercial Fruit Growing," by Frank J. Emery

7.0-11 0.-Programme S.B. from London

351 M. CARDIFF.

3.0-3.30.-Transmission to Schools.

3.30 4.0 .- The Stat on Trio.

4.0 4 45.-The Carlton Orenestra, relayed from the Caracon Restaurant

Mr. Jeans J. J. Lanes, Bropper J. Ar. To-National Massam of Wales, Famous British Painters.

5-15-6.0. CHILDREN'S CORNER

6 to 6.55,—Mr. R. T. Evans, B.A., Van erecty of South Wales and Monmouthshire Talk,

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

MANCHESTER. 375 M.

12.30-1.30. Organ Music by H. Fitarcy Page, relayed from the Piccodilly Picture Theatre.

3.0-3.30. 4.0-4.30 Concert by the "SZY" Quartet

3.30 4.0.—Broadcast to Schools Mr. E. Sons Hildstoh, "Musical Approxision."

5.0. WOMEN'S HAVE HOUR. Me-Maria Riefetabl on "A Tlang of Benuty

5.0-0.0.-CHILDREN'S CORNER

6.36 0.55 Lineal Radio Sources Tack

10 s.) - Programme S E from Lorston

5NO NEWCASTLE. 400 M.

.1 30-12.30. -- Janet H.tchens (Soprano), Tilley a Restaurant Orchestra.

5 4° 5.1) Main Herbert (Contraite) and S art Mr Intosh (Barawas) - Duets and Solos. Afred Senbrage (Solo Viola). Landon Papaus. The Rev. Herbert Burnes on "Longiellow"

5.15-8.0. -CHILDREN'S CORNER

6.40-6.55. Guy Brown r "Modern Relies of Barbarians—Laying a Foundation Stone,"

. 0-11 0 .- Programme S.R. from London

ABERDEEN.

3.30-5.0.—The Wireless Sextet. Isshel Michie (Soprano). Ferninne Topics.

6.15-6.0.—CHILDREN'S CORNER: An En tertaument arranged by Elmslie Smith.

5 40-6.55. Mr. Arthur Codingwood, F.R.C.O., on "Masstones in Mass. Deethoven."

7.0-11.0.—Programme S.B. from London.

GLASGOW.

3.30-4.30.—The Wireless Quartet Hannah Antisrson (Suprano). Alternoon Topics.

5.,5-60 CHILITH'S CORNER.

6.0: 0.5 -Weather Forecast for Furthers.

7.0 110. Pengramma S. H. from London.

A complet against a growing stem indicates the name of its publisher. A key list of politishers will be found on page 357

WIRELESS PROGRAMME—WEDNESDAY (Feb. 18th.)

The act, rs. 5.6. protes to votes in these programmes eightly a Consistences Breadcast from the sixtees men-dones. 2LU LONDON. 2 15-3.45.— Trueser seion to Schools. "Theory of Propagation and Reception at Wayes, by Mr. H. J. Hinks (Rang Associa by Mr. H. J. Herker (Rance Association)

4 c. A. There Signed for a cheere to Conver. In 21.0 Inc. and they from ford (Seprent My Late in the Country," by A. Bonnet Land. "See a tunry Laws and Vantry," by Constance M. Fort.

5.30-6.15.—CHI DREN'S CORNER - Music by Uncle Seff A. Story by Harcourt, We make, "The Tale of Cockelorum by Uncle Seff, Mr. W.L.TER WOOD, "Deep See Frawing. Trawing.
7 0.—T.ME SIGNAL FROM B.G BEN-WEATHER FORFCAST and 187
GENERAL NEWS BY LLETIN & B. to all Stations
Capt. C. W. R. KNIGHT: "Falcoury—
The Sport of Kings." S. R. to all Stations. Local Nows. "From the Mystic East." DOARS VANE (Sepremo). SYBIL MADEN (Concratte). LEONARD GOWINGS (Tenor). AND # 3 S ANKS (Bass, THE WIRLLESS OR HES RA
Loctor by DAN GODEREY, Just
The Orchestra,
Overture, "The Cample of Bagdad 7.30. Bareh ..

M many

8.45 (approx.). Louis Hertel.
Mrs. Strugges and Some of Let Forter Friends.

Overture, "The Yellow Princess" South Sign of

" Chanaman's Song " (" Caro "] Percy Fielcher

Found of Landerine White Postock (4, to tapprox | Leadersh | Landersh | Leadersh | Leade

Section, "Clu Chr Chuw" Notas (31)
9.30.—TIME SIGNAL FROM GREENWICH
WEATHER FORECAST and 2ND
GENERAL NEWS BLLLETIN. S.B.

69 aft Stantons.

Rettesh Drama League Lecture Recital:

Some Estabation Descriptor. S.B.

to all Stations.

The Week's Work in the Garden, by the Royal Horticaltural Society. S.B. to other Stotions.

Local News.

10.15. The Orcheston
Chinese March, "Kwang Hau" ... Linck
Selection, "The Geishu" ... Sidney Jones
10.30. Clos to a.

BIRMINGHAM. 475 M 55T 3 30 4.30. The Statum Pianeforto Quinter 5.0-6.30. WOMLN S CORNER on the Corner of India." Wy Mari a

5.30 0.30.—CRILDREN'S CORNER B.19 8.45.— Trens' Corner. Mr. A. Ises, L.C.P., (of the Birmurghum Return Rintery and Philosophical Society) "Barcelona."

) We All Held BY BRAST and ARMS No we Least Named SB w Co. C. A. La altan Local News

Military Bund Programme.

THE EAST YORKSHIRE RECLINEST (By kind permason of Long Co. W. Gudden, D.S.O., and Officera.)

Ban't a ster Mr M r L 1 N N L

Overture, Practicum " Horod Howes, Invietus " Annoid Howes, Invietus " Annoid Howes, German (1) on " German (1)
The Hand.

Del Riego Joan Maxwell.

Among the Wellows "Montague Phillips
"An Oh Melody "Morgans Broughton B)

The Read

Selection, People Jones
People Harried Howes
There is Root to the Platence Agreed
The Band Victory

Lanton for You? Mary Naplangale, 8)

1 Laston for You? Mary Naplangale, 8)

4 Song (())

to ground Loughborough ,2. The Burnt. S. L. A. A Light to ng Switch "... Afford ... WEATHER FORECAST and NEWS. S.B. from London. British Drains Leas

Retish Drains League Lecture Recital. S.B. from London. Royal Horticultural Somety Talk. S.B. from Landon. Local Mews.

The Hand.
Descriptive Fantons, "A Hunting Scane" at 30 .- Close down.

6BM POURNEMOUTH, 385 M

3.45-5.0. Talk to Worten by Mos Douben. THE ROYAL BATH HOTEL LANG OR HESTRA, relayed from King a Hall Rooms. Masseal Director: DAVID S.

TO GO. CHILDREN'S CORNER. by Hubert Hill,

4.30 6.35. Statum Talk by Bortzen Fryer Station Director).

7.0 - WEATHER PORECAST and NEWS. S.B. from London, Lapt. C. W. R. KNIGHT. S.B. from Lumbour

Loro. Nown.

Comedies and Music. THE WIRELESS ORCHESTRA.

Conductor Copt W A FEATHERSTONE.

BRET HAYDEN (Entertainer).

Bret HAYDEN (Entertainer).

7 45.

Orchestra. * La Fée Tampatage. n.

... Foulds

A Few Remarks.

N 213

Lot odner sur B v

A sect v y D solution

Lot odner sur B v

A sect v y D solution

Gerald Actool (as Artest) E. BYFRS
Locy of More NOTATIL SANCE
Produced by
WILLIAM KEENE AND GEORGE
STONE

Bres I ayde .

9.18. Further Remarks. Be Bret Hayden.

9.29, Bob Stokes.

... Жешиеоро

B dush Brains League Lecture Record. S.B. from Landon Royal Ho recultural Society Talk. S.B. from London. Local News.

Proposed A La on the Ocean ".. Budding A(1-30)

CARDIFF. 3.0-4.0. Falkman and him Grehestra, releyed

5.0-10. Francisco de la filipida de

WEATHER FURECAST and NEWS S.B. from Lendor Cupt C. W. R. KNIGHT. S.B. from London.

Local Nauv.

The Music of Edward German.
ARRANGED BY THE CONFOSER,
HERBERT HEYNER (Bardone)
NORA DELMARR (Sog THE STATION ORCHESTICA Conductor WARWICK BRAITHWAITE

Occhostra Caronation blaceh and Hynan (11)

Reserve vol. 1 to M. M. Ado 4 to N. A. & V.

N. 4 & V.

My See , 18 * 10 S. 12 Nor b.

With Orchestral Ace aparament.)

Sea Luifeba n "Songs of Ultrahood "). " Wandering 'Song "Love in All Someths.

Orchestra. Scite, "The Tempter "
Heriect Heyens. "The Dow Lpon the Lay"

" Charming Chlos " 4 44 minutes, (11)
" Glorious Devine " serious 1 minutes, (1)

"Gipsy Su to " Nora Delimitre.
Wasta Song ("Teen Junea")

Beleeton, "Merrip England,"
9.20.—WEATHER FORECAST and NEWS.
S.R. Jeon London.

British Drame, Leigne Lecture Roc (al. S.B. from I — n Royal Burtle | vol Science Table | S.B. from Landon. Local News

A namilier against a movinal stom indicates the name of its politicizer. A key hist of publishers will be found on page 257.

WIRELESS PROGRAMME—WEDNESDAY (Feb. 18th.)

The citery 8.8 printed in Station in Dans programmes aignity a Samultaneous Brandonst from the station man-

of Kensugton ") or Invitation that I Bring these of Kensington "). (With Orchestral Accompanional)

MANCHESTER.

5.0 3.30. Since relieved from the Piccal by Lo. 4.30. Picture Thealer. (Commeter Stanley E. Mdl. 22 . 0 Brackenst to Propert Schools dword Cressy on Travet 1.30 5.6. WOM, N'S HALF HOUR. John Buron (Barrione) 5.6.50. CHILDREN 8 CORNER.

1 Successfully 1 Succ

(W. I. KNICOT S.H. om

Operatic

INVEST: HAMLYN (Bardone)
THE *2ZY * OR(HESTEL)

Orch e.

Orch e.

The Pro go Sor W or e.

Denorm Mande.

The responsibilities a figure h. 7,20.

H Control on Alone Charmeth My enn's Bong (Philemon)

The Queen of Sheba See 10' 5 Counted

The a Point-Turo
R. Garnelle Hamber

1 wing Smale of Sister Kind [Faust]

Orchesten

P. t. smalle Hamiyu.
Pr. togger (" Pagliscoi ") Legacovallo
Song a the Torendor (" Cormen ") ... Bi s
10 We VIIIE FORECAST and NEWS.
S.B. from London.
Real of December 1.

British Drams Losque Lecture Recita. S.B. from London Bayal Burticultural Society Talk

Local News. 5. Orchestra

Orchestra

Selections (" The Hopemons" . Meyerbrer
La Boltom " Paccine

L all - Close closes NEWCASTLE.

145-5-15. -The Stanen Sepiet: Conductor-Edward Clark Boutree Paramor (Suprano). The Rev. Arthur Robins, "An Open-Air School." Isabel Speace

(Soprano)

5 15-0.0.—CHILDREN'S CORNI S

6 0-6-20.—Scholars Hast-Hour Mr. C. Robertz,
B.A., "Wonders of the Past—The
Great Wall of China

6.35-0.50. Fatners' Cerner Prof. Gilchrist,
"Seasonable Notes.

La. W. A. L. P. A. RECAS, and NEWS St. rate Landon. Capt. C. W. B. KNIGHT. S.B. from Landon. Local News.

Light Opera.

IDA COWEY (Soprano).

NORMAN CURRY (Bartone).

THE STATION ORCHESTRA

Conductor—EDWARD CLARL.

Orchestra Overture, "Le Paste d'Amour " ... Balf-O Pondor Well " ("The Thus When the Beggar's Swallow" ... Opera")

Ho. Jody Jenkar Woo Thou Thy Enou- (" Ivenhoe") Rahe"

' West Country Lad " (" Tom Jones ")

WINIERED SMALL and MACRICE

OL Maurice Cole (Solo Pianoforte.

Wundred Small (Solo Violin) 9-30. WEATHER FORECAST and NEWS

8 B. from London.
Bruns Drama League Lecture Recital.
8 B from London
Hoyal Horticultural Society Talk

Local News

10 .5- 10.30. Programme S B. from London.

ABERDEEN.

3.30-5.0.—The Wireless Sextet. Christopher Draper on the Bostonie, Fermane

Topics

30-6.0.—CHILDREN 8 CORNER: Auntic
Aire will Make Merry at the Piano
6 45 6 5.—The Rev. McIntosh Mowat, B.L.,
ma. "Thogs That Matter—(1) Happy

70 .- WEATHER FORECAST and NEWS.

S.B. from London Capt. C. W. R. KNIGHT. S.B. from London Local News.

Choral and Orchestral,

THE WIRE, ESS CREMESTRA.

7 50.

Overture, "Le Lac des Fées" ("The Fairy Loke")
7 10

Still as the Night", Bahm, "My Pretty Dove" ("The Tales of Haff-

Denies Ornbestra "Verent d'Amone "....."
"Daneing Doil . Prope . From! Poldine

"Veron d'Amone" Pouline
B.O. Risa Loing
"There are Twa Bounie Maidens" Old
"Braw, Braw Lade" Scota (36.
8 10. Orchestra.
Longert Valse, "Un Sour" Gremating
March, "For Liberty" Morris
B 20. Risa Loing.
"The Spinning Wheel" Old Scota (36)
8 30. MADAME MUBRAYS DANCE
ORE HI STRA
Reserve from March of Mutroy & Dance

Remyer from Main to Marroy a Dance Studio 0 30 .- WEATFUR FUREYAST and NEWS

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

S B from London.

Royal Horticultural Society Tark. S.B.
from London. Local News.

1 of (Continued). 10 15. Marame Marray a Dance Grahestra note down.

420 M. GLASGOW.

SSC GLASGOW. 420 M.
13t 4.0.— Breatenat to School
4.6 4.10.—The Wireless Quartet. Is ad A
Engson (Controllog, Aft on 1)
6.15-6.0. CHILDRENS (VIRSER
Lesson, by Auntie O
6.0-0.5.—Westion Forecast
a tree:

1 the Alais Manda on "Print
b (11 PR FORECAST and NEWS
8.8. from Landon
Capt. C. W. B. KNIGHT S. B. from
Landon

Local News.
Request Wight. THE WIRELESS ORCH STRA Conducted by

Overtage to a French t mount

Frederic Lak-

Shelley

The Lew on a d

Benitish | Oxford Book of Ballads

"Lu Bolk Dame Sans Merci." ... heats

The Winter a

Speeches from

Tale"

A hy Lear

Shakespeare

"Coronnel"
"Ribroch"
"Crebestre.

Ballet Suite, "Laktof".

Terans, Rektah, Persian, Code.

Constance Wentworth.

9 B. Constance Wentworth.

"Memory's Hone L. 1900

Hard of Love Divine L. 29 B. 3

'It is Only a Tiny Garden." Hayde Wood

0.15. John Henry Turns Up Again (
0.30.—WEATHER FORLCAST and NI; WS.

S.B. from London

Reyal Hortscultural Society Talk. S.B. from

London
Re tight Droma Lengue Lecture Rec tal
S. S. From London

Local News. 10-15. Constance Wentworth and Frederic

Constance Westworks
Lake (Trusts)
Metere Scene II Trovatore)
Vent

Suchairment [The Passing Show"]
Officer (8)

"Oh, No, John"

"Keys of Heaven

On the tra

Convert Valse, Ar pain Life" Scauss
March, "kuto"

10:45. DAN FAUSIC
Relayed from

"The Planta Lalace de Danse,

11:30.—Closs dustra.

11 30.—Close down.

A resulted against a transcent street adjustes the name of its publisher. A key hat of publishers will be found on page 357

THE CHILDREN'S CORNER.

CONDUCTED BY THE AUNTS AND UNCLES.

Nature's Wonderland-The Yellowstone National Park.

HULLO, children Probably all of you are foul of playing in packs. Here is a talk about the most wonderful park in the world.

I wonder which is the biggest park in which you have ever been? The Great Park at Windson, or Richmond Park? Or perhaps you only know the smaller and more formal parks in the heart of London and other big cities? Can you then imagine a wild tract of country where bears roam about and herds of great shoggy been wander at large—a

tract of land about half the size of Wales surrounded by magnificent forests and splendid snow-capped mountains? For such is the Yellowstone Nat onal Park, in the State of Wyoming, U.S.A.

Romours of Marvels.

Less than a hundred years ago nothing was known of this yast wonderland of Nature, except by the Red Indiane; but gradually remotes of the marvels that lay I ridge beyonthe great pine forests pénetrales Parough to the outer world. The Expeditions were sent to see I these stories of fountains of not water and jets of boding mud could possibly be true. In due course an Expedit on returned and reported that the Yehowetone district was even more wonderful than had been magined.

Not only were the tales of the hot eproga and geysers true, but the whole country was a farryland of beauty and the

home of countess wild anumits.

If you go there, and you must go in anomer time, breause in water the snow less thick upon the ground, and everything is freign in a white at liness, you will see black, brown or grazily bears at almost any time of the day Perhaps a coyote or a poscupine will come your way, and if you wancer near the streams in search of wild black currents, you may be lucky

snough to see a pelican-one of those funny looking birds which keep the fish they catch in the pouch of their throats until they are ready

There is a wonderful variety of flowers, ranging from daisies, buttorrups, and forget-inenote to went each and other plants of the desert which grow round the volcanio hot aprings district. The blueberry forms a thick under bush in the forest regions, and gooseberries. choke berries and buffalo berries, as well as red and black currents, grow in the damper places.



Bears searching a cart for ht-hits in Yellowstone Park

It is great fun, too, to go on the sake and vis.t. some of the levely little lovest shands that rise from its waters. Through this lake the Yellow stone River flows on its way to join the Missia cippi, forming the most superb waterfails after it has left the great sheet of water begond First comes the Upper Fall, a sheer drop of 100 feet, and, half a mile below, the water rells over the Lower Fall, a descent of 308 feet, from whence it pours into the Grand a v. The walls of the Canyon vary from 600 to 1, 100 feet in height, and the richness of their colours

almost defies description. Red, grange, yellow and purple are the prodominating tints and seem even brighter than they are by contrast with the dack green pines that fringe the chasm's reige, while at the foot of the earwan the river surges past, a raging torrent of white foam

Thus and the Geyser basins are the chief giories of Yellowstone National Park, and the latter, though possibly the less beautiful of the two, are certainly the more uncommon and ir feresting. There are over a hundred of these geysers and steam vents. "Excelsion," the

largest, used to throw up a jet of water from 200 to 250 feet high, but it bes been inactive for the past tharty five years. "Old Faithful" throws up a tremchdous column of water about once in hour, and "The Giant" reaches 250 feet in height and lasts for naiety minutes at a time. One of the steam vents in the Norna Basin is "alled." The Growler," and another The Hurrenne." because the noise of the steam as it rushes from the earth through a very small aperture, car be bean; for muss amond.

Nature's Pamt-Box.

Near the centre of the park in the M d Caul ran, a great could hole about 40 feet deep, with boding mud at the bottom. "The Mammoth Phen Pota " are a group of curiously-formed mud-springs of the most vivid colour og and quaint shapes. Nature has in out with her point box through the Ho-

egion. In some places, the cool by of the and a from the geysers has deposited a coat of cazzling who e rock over the land. Here and there, the rock has been stained by other chemicals—sulptur, from and line—with bright hands of red and velow and the trits of the pools are of matchless beauty.

The Mammoth Hot Springs" have formed a er . I terrares across a smala ray ne. These . . at a blaze of colour, and the water that de an iner them is of a lovely transparent blue

TOMMY'S HELMET.

By LANGFORD REED.



*Of all the young large of reinchlof : **
she applaiment.

THEKER fest very sad then the Army come march ng dawn aradis-Aloy, look-ing very brave with their tin telmets and guns ut painted wood, he har! vo. intered to embet, but had been rejected baennad he ha limin p ment of any

OMMA

A fine soldier you'd look, I don't think !" succred "General" Towny Green, as be marched away with his ragged brigads of little boys in search of glory.

Suddenly into the mend of the would be recent there flashed a burn tides and running

redoors, he made his way to the botcher

Very carefully Tommy reached for his
mether's new saucepan. "It was to the
a fine helinet?" he thought to we to see chaps they're not the only ones who can dress up as soluters,

He placed the saurepen on his curly breat an present it down with both hands to make it stick. Suddenly it stipped right down and there was poor Tommy wedged right, in a novel kind of mask from which be valuely attempted to free himself!

Crying loudly, he graped his way nto the yard to find life mother.

Of all the young imps of maschief!" she exclaimed, when she found it impossible to unsaucepan him. Much annoyed, she shook him violentcy, which made him how! louder than over Mrs. Perkins, from next door, came in to render assistance and Tommy was held up by his beels.

but the saucepan declined to leave him.

There's only one thing to do," exclaimed Tommy's distracted mother, "and that's to take you to the hospital."

In the tram, on the way to the hospital, the passengers seemed to think that Tommy was wearing his extraordinary head gear for their amorement, for they granned until he independ mother could hardly contain herseif.

A cless on an, see but next to Torone, was some sympathetic and spoke kindly to him. Formaly turned his head sharply and the hands of that troublesome saucepan went right through the window! And, as if that were not mis-fortune enough, the conductor demanded Mrs. Tucker's name and address and told her she would have to pay for the damage! He also called a policeman, who turned bor and her son out of the train for causing a distorbunce t

The doctor at the hospital must have been The doctor at the hospital must have been very elever for he managed to remove the sancepan without very much difficulty. But Tommy did not feel much happer, for as soon as they got outside the hospital, his mother exclaimed, "Wait tall I get you home my lan, just you want?"

But when they reached Faralise Alley they found the clengman awaiting them

"Mrs. Tacker," he excanned, "I've told the conductor that as the window was broken through me. I shall insist upon paying for it. And I've buight a fine new he met with a red plume, for Tummy, for after what he has been Lorough I think he deserves it, don't you? Let h m off this time, for I feet sure he will never try your saucepaus on again

And Mrs. Tucker, who was really very found of Tominy and was very thankful be had not to go through life wearing a saucepan,

WIRELESS PROGRAMME—THURSDAY (Feb. 19tb.)

The return 5.8." printed in Italias to these programmes signify a disselfanceus Brondcast from the stated mentioned 2LO LONDON. 365 M.

10 2.0 Time Signal from Greenwich. The Week's New Gramophone Records

+ Transmission to Schools: Lecture Received Chapters in Darkons Tiny Tu-by J C STOBART and R E. JEFF 64 Y

4.0-50.—Tane Signal (non Greenwich, 'The Art of the Loom," by Etase L. Sprutt Maste performed during Afternoon Teals the Treasiliste Restaurant "Enchteenth Century Commits" (1), by Violet M. Machine.

30 6 13.—CP LEDREN S CORNER

6 40 6.55. - Mr CECIL J. ALLEN A M gat T., Porernmers of the Railway

7 0.—TIME SIGNAL FROM HIG BEN WEAL I USE SI RECAST and IST GENERAL NEWS BULLET N S. B. to all Statement Talk by the Radio Society of Great Bream. ta all Stations

Mr ALLEN S, WAIKER, "Architecture Flot tothedrais of Sausbury and Welk-and West-unster Abbey "SB to all Lord News

Chamber Music Evening.

Chamber Music Evening.

S. R. to other State of

THE KLEPTER S. D. OTARTET

TO DEEP TO THE CONTROL OF THE CONTR

Quartot in D Minor Survey to the r. Surv The Quartet

8.0.—Pastry Reading; DOROTHIE PANT L.NO and CECIL LEWIS, "The De-velopment of the Bonnet,"

8.20. Brohame Old Swad Pretty Creature " Creature " London Burnham Lor Forge Lace a a ten of Bridge on Lorder Charles and a ten of Bridge on Lorder Charles T , il are a n bene d

Rende con Loretter
Leve s (** Morse Gaeradon**) Levest

The Quartet and Ethel Bartlett Pianoforte Quintet in B Minor (Second Isotronan v. Hole + hope . 11

8 50. Brabarot, Lowther

"Where er You Walk" ------ Hunde
"Hear Me. Yo Winds and Wayes" Nr. 180 14 30

The Quarter

with Amenaton, Quick, and Lightly, Late Swallows "(Slow, and Westfully), Very Quick and Vigorous

WEATBEL 11 CENERAL SERVICES SE

Set JAMES C. PLACY, D In on "Hand and Shadere" & R to ah State. Local News.

1.75.63 [1.75]

Stord, Nik 182

Carrie Preside in O Muser Rockmannell R wood callo 125

0.30 .- THE SAVOY ORPHEANS and SAVOY HAVANA BAND, relayed from the Sevoy Hote, London, S.B. to all Star

11.0;-Close down.

5IT BIRMINGHAM. 475 M

3.39-4.39.—The Station Pionoforts Quartet John Buckley (Barrione).

10-5.30.- WOMEN'S CORNER : Frank Can tell (Sodo Viol.n).

5.30-0.30. CHILDREN'S CORNER.

C30-0.45.—"Teens' Corner J Ernost Jones, 'Peeps into the Post " (4)

7 9-11.9.—Programme S.B from London,

6BM BOURNEMOUTH. 385 M.

1.45-5.0.-Talk by Mass Pennice | The Orpheus Ougster

3.0 G.O.-CHIEDREN'S CORNER

0.0 6.30.- Schotzes' Half-Hour , "Hockey and double," by E. J Roberts.

6.30 8.45.—Farmers' Thos. "Ducks for Egg Production," by H. S. Carrington, M.A. "). WEATE B. FOLFICAST and KEWS. S B. from London

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

Musical Appreciation.

A Survey of the Evolution of Music, from the Earliest Times to the Present. H storiums:

Capt. W. A. FEATHERSTONE, Station Musical Director Mr. C. WHITAKER WILSON, Organist,

St. Juhn's, Regent's Pask

When Music was Crude.

Some Farly Molection

Former Farly Molection

Transpet Soles and Fanfares.

Horns and Translates.

Horns and Translates.

Tally Ha " Traditional "Obscon" Weber

Fifth Symphony Tehnikowky

Equali

Instructed a of the Home
An Early Dulctmer Tune (Clavichord
Gavotte (Clavichord) Hompipe (Harpsichord) Purcell Produce

Allegrette from Senata in D Minor, Op. 31. No. 2 (Plane) Beathoren G Flat Study (Pisno) Chopia Arabosque in G (Fiano) ...,...... Debussy

the King of Instruments. Probada (Organ) Boch Continue (Organ) . Wood Wand. Unibung

W Far Tell (Flute and Obce) , Resent Innontinge | Resent | Wagner | Wagner | Wagner | Cor Angiein |

Organist-ARTHUR MARSTON THE WIFETESS ACCUMENTED

OWIES LA 9.30.- WEATHER FORECAST and NEWS

r a Loud S. P. JAMES C. PERCY S.B from Landon

Lasea News 10 Q. C Wintaker Wilson with Orchestry

1 3c SAVOY BANDS. S B from Limiton.

11 4 64 4 4 80

5WA CARDIFF. 351 M.
3.0-4.30. THE STATION ORCHES RA
Symphony No. 1 m C Major (Op. 2)
Actress Entertainer) (The

4.46-5.15.- " 5WA'S" FIVE O'CLOCKS.

5.15-6.0.—CHILDREN'S COKNER 6.43-6.55 — Mr. J. Kyrle Fleteret, Time Romanos of Welsh Porcelate.—The Story of Formed and Restor 7.0-12.0: -Programme S.B. from London.

MANCHESTER,

THER FORECAST AND NEWS. 8 B. from Lordon
Rodio Socioty Talk. 8 B. from Lordon
Mr. ALLEN S. WALKER, S.B. from
Lordon, Local News.

Vocal and instrumental Nour ROBERT RADFORD (Boss), ARTHUR SPENCER (Solo Pinco),

Robert Radford
When a Master Takes Your Fancy P. Figure " [Figure "] Motort

bulstaff's Drinking Song " ("The Merry Wives of Windsor") Arthur Spencer

Arthur Spencer

Pastorals and Caprice:

*Hark, Hack the Lark
Hungarian Rhapeody,' No.

Robert Radford.

*Song of Momus to More

The Owl is Abroad

Yow Physics Sinketh in the West
Arise, Ye Subternmean Winda*

Parcell (11) Purcell (11)

8 20. THE PICCADILLY DANCE BAND Retayou from
The Picoachly Picture Theater

5 30- 11 9. Programme S.B. from London

NEWCASTLE. 400 M. 11 30-12 30 .-- Joan Forsyth (Mezza-Sopeans).

Tilley's Restourant Orchestra.

3.45-5.15. May Welah (Controlte). John Henry (Entertainer). Sam Barraciough (Cornel). Douglas Swallow (Xylophone). James Enghah, M.A., "The Dawn of Resson in Chickened." Christmood.

5.15-6.0.—CHILDREN'S CORNER. 6.40 6.55.—Mr. J. L. Gibson; French Talk 7.0 11.0.—Programme S.B. from London.

ABERDEEN 495 M.

2.30 50 The Wreess Septet Retact F Anderson (Baritone). Fem.nine Topics, 5.30 S.O. CHILDREN'S CORNER.

6.0-6 15.—Inaugural Talk by Mr. W. Edmund Bell, F.S.A. (Scot.), President, Aberdeen and North of Scotland Philatelic Society

C 15- 0.30.—Bays Brigade News Bulletin z Mr.

W Findley, Convener, No. 3 District,
The Right Type of H.B. Officer."

C.10- 0. Mr. Harry Townsend, M.A., Topica,
Talk, S.B. to Scottish Shannes.

7.0.-WEATHER FORECAST and NEWS.

S. R. teom Landon.
Radin Society Tark. S.B from Landon
Mr. ALLEN S. WALKER. S.B. from London Local Nums.

Popular Programme.

CONSTANCE WENTWORTH (Soprano) FREDERICK LAKE (Tenne) THE WIRELESS ORCHESTRA.

(Continued in col. 8, page \$55.)

If tember applies a presided its members also married to of its publishers. A long list of publishers will be found as page 35?

WIRELESS PROGRAMME—FRIDAY (Feb. 20th)

The letters 8.8. printed in Italies in these programmes spirity a firmultationus Broadcast from the station (she station (she 475 M. 8.25. - Speeches releyed from the CIV.L. with Lozeds I of the Oren of sector to E Easton (Dramatic Rice)

WUMEN CORN, R. Harold Buser SERVICE DINNER. 8 B from London 2LO 130. WEATHER FORECAST and NEWS LONDON. 10-20 Time Signal from Greenwell. Con
The 2LO Trio and Rethert

the LO Trio and Rethert

the Resource to Schools Mrs.
Hobort Hampden, "Insta

4 0 4 30. "London Schools" [Insta

W U.FORD DAVIES. "How to Laster
to Broadcast Leasons." (With Museus
Institution by the Lecturer)

4.20, 5 0. "Convent Music releved from Scandard is *** W. MEN CORN. R. Haroid Baser b R. L. S. Lady Jana Gre. Gertrade Davies (Soprano).

*** 30 6.30. CHILLMEN'S CORNER 6.30 6.40. Teems' Corne. M. Marie I. Il book. French Task

6.30 6.55.** Marstry of Agriculture's Fortenghily in ed a. B. B. Irom Landy.

7.0.—WEATHER FOREAST and NEWS. S.B from London Connel The MASTER OF SEMTILL S.B. from London. Local Nows. String WEATHER FORE AST and NEWS
S. R. from Landon
Lie News.
Late of a seed from the Cosmopoli at
C. Major (DRIAN) B. KLEIN
M.B. a. Cooker and Lacanasis Valse des Flours '(Harp), Tekailuesky Pervanne Piano Concerto in G Minor (Tyu.pan.) 4.30- 5.0. - Organ Music, relayed from Sacpherd a P an Poyd on. 5 80 6 15.—CHILDREN'S CORNER Song 6.13.—CHILDREN'S CORNER'S Sons by Oarsond Davis (Teture). "The Story of the Roots, told by Laterine Wiene The Dormouse who Launched in Sleep," from "The Wiggley Wouse by Mobel Markove.

A. Youstry of Agriculture & Februar By Habel B. S.B. to other Souther's

T.MF SUNAL FROM GREENAY B. WEAL R. D. GAST. 184

C. NEYAL R. D. CAST. 184

C. NEYAL W. S. L. LETTY S.B. to all Sto. Speech and Music THE STATION ORCHESTRA Tcharkovsky—"1812" (Bella,
Shepherd's Hay" (Glackenspa) Granger
Maximuma Repeaters" (Gong) Litoly
The Zee (h. Strengers) See a Ren asse of the Planta f thanhers

15 out a See a See Brick NH AD in Re
1 from the Clamber of Lummer of I must at the Grand Florei Scherzo and Finale, Fifth Symptony 1 Inquot at the Grand Horsi

9 0 (approx.) HELENA MILLARS
(The Actress Entertainer)
10 "Fragments from Lafe.
The Ore rester
Selection," To-Night a the Night," Rubbers
30. WEATHER FOREA AST and Ne WS
S.R. from London
Calonel The MANTER OF SEMPILL
S.R. from London Level Note: to all Sta.
PERLY S. HOLES, the R.B.C. Mas
Critic S.B. to all Statema. Local Naise 11 0. Close dry 5WA CARDIFF. 351 M.
3.0-3.30. Truese soon to Scorols t "The
Annual Kagaom," by Dr. Jac. J
Sampson, M.A., D.S. SWA. Popular Concurt.
RUBY HITDER (The Lady Tenor)
PHYLLIS EMANUEL (Solo Partoforte,
RUNALD GOURLEY (Entertomor at the 1 30 4.0.— The Station Tree 1 45 5 15. ' 6WAS" "FIVE OCLOCKS s.H. from London Local News Henna Mr ans. OAN HASTINGS (Entertainer at Pin e. QU 498)
THE WIRELESS ORO HESTRA Conducted by DAN GODFREY Jun Pha Oct State of the Resident 9 Chladrens CNE 0.40-6.55. Minustry of Agricultura a Fortingle Ly Buhatin S.B. from Landon 7.0. WEATHER FORECAST and NEWS S.B from I " The Children of Jip Regiment CHECK SCHOLES. SR from London W. Frager W. Harris Local New Catch Me Liza Brown 6BM BOURNEMOUTH. 385 M. 3.0-3.30. Educational Task." Bygone Engand (3) Mate and Drink," by Mr. Frenk The Charm of Variety. I ve Found the Little Ogo Fogo JOHN BUCKLEY (Bass), M (NA GREY (Entertainer), THE STATION ORCHASTRA. Leethon and Ross
The Orchestra
Seterson. Line Time". Schuber-Clutson
Pl ville Eminuel (8) Mete and Drink," by Mr. Frenk Stevens, F.S.A.

3.55 5.0 Fraction Talk to Women by Louis de Moyo. The Acrials Connert Party
5.0 6.0 CHILDREN'S CORNER

8 0-6.39 Seriolars' Half Hour "Comotes Words and Phrases in Common Use 1 y
A. S. White, B.Sc.
6.40-6.55 Wosers of Agriculture's Forty
1, 5. 4m, S.B. from London
70. William FORECAST and NEWS.
8 B. from London
PERCY SCHOLES S.B. from London
Local News Conductor, WARWICK BRAILHWAITE. 8.8 approx.). Ruby Healer.
The Lest Watch ".... Circ Pinesti (1)
I ve Been Rosming "... C. E. Horn
Faiy Mayourneen "...... Benedics The World in Ancedete, No. 9 ' Doctors Dilectmas.
The Orchestra. PERCY Per Local News Musical Appreciation.
Second Nucle Romance Pathetique . Parterdya Clog Dance, Handel in the Strand" Deauger Capt. W A. FEATHERSTONE, Station Musical Director Mr. C. WHITAKER WILSON, Organist, St. John S. Regen's Pack THE 5WA" RADIO PLAYERS. Occhestre. 83× OLD JOE AND COMPANY EDYTHE KINCE, GLADYS PALMER, SYDNEY CLTHAM GEORGE PLAZEA GERALD KAYE, MARY LEWIS (Solo "A DARKTOWN INTERCUDE
A Memory of the Old Christy Mestrels. THE SEM CHOIR
THE WIRE SEAL WATED
THE WIRE SEAL WATED
THE Induction of Reagon in Masse
O Lord My God " Byra-1
Minarya 9 30. WEATHER FOREGAST and NEWS Colonel The MASTER OF SEMPILL. S.B.
from London. Local News

Orenestra.
Overture, "Abu Hassan" Weber
Below up, "The Beauty Prize". ... Keen
Vona Grev Humamus Skatch. The Si ver Swan " Orlande Galions
Further Influence of Religion on Music.
"Hallo spale Chocus"
The Creation
"He, Watching O. to all Stations
telemal The MASTER OF SEMPILL
Aviation in Japan. S. B. to ale States a Liven, Nove:

Ruby Helder

Nirvana " Stephen Adams (t)

Anno Laurie " dnon-From Folk Song to Modern Ballad.
If My Love Leaves Me " . Traditional
The Last Rose of Summer" Moore
Now Sleeps the Crimson Petal Onnway Awake, Boloved " 12 0 .- Close down. The Welding of Two Arts.

.....Myddicton

A number against a munical state infiretee boundeds of its publisher. A bay list of publishers will be found an page 367.

WIRELESS PROGRAMME—FRIDAY

The others 6.6. printed in unlies in those programmes argently a termintangues Broodcast from the station men-teoring 22Y MANCHESTER. 375 M. 12.30-4 30. Organ Music by R. Fitzray Pro-related from Accounty Picture Theate. 3.0-3.37 4.0-4.30.) Cancert by the "2ZY" Quartet 4.0-4.30.) Cancert by the "En's quarter
3.30-4.0. Broadcast to Secondary Schools
(Senors), M. ALBERT THOUAILLE,
Rescing of French Literature
4.30-1.—WOSENS HALF HOUR. Journal
5.20-4. H. H. FNS CORNER
6.40-6.55. Ministry of Agriculture's Fort
nightly Bolletin. S.B. from London
0. WEATHER FOR XAST and NEWS
PERCY SCHOLES. S.B. from London
London News "Ma Carry beaded Habby"
The Old Forks at Flume
W. J. Storkey
"The Ministre Man."
"Carelina Tar Heel."
"Da Olo Hango."
"A Southern Wedding Goncert

on aid of

The Lord Mayer of Manckester's Unemployment Fund.

Relayest from the From Trude Had.

NAV S. ONNETT Segrent

AI F. SAMMONS, Solo Viole to

dOHN H. NRY (Entertainer)

THE "2ZY AUGMENTIAL

ORCHESTRA

Conductor T. H. MORKISON

Overtore, "A Roman Corneval." "Berhos

Maris Bernett

Carl Nome to ("Righter ") A cod
carl Nome to " Charles "

The Cod
Cod-Concert 10 35,-Crose down. Crangingle John Honry Caching Local News John Brown's Bony", a Bric. 1 10 mitet. " Le Cid ! Mayor Bellin 1

Hymn to the Run 2, Romaky Kin

How The Spot 2, Rockant of
A beet, Sammer GLASGOW. Newtree in E Manor Chopen-Aura datare Kenster ide in U Orchestra Segmed's Journey to the Rione Haguer John Henry Cade Agent Connected

The Ride of the Voltyrice " ... W gas
Community Singing
A.M. Long Syne " 2 " Cod Save the Near WEATHER FORECAST and NEWS Folumb The MASTER OF SEMPLIE No. from London. NEWCASTLE. Florence Creswell on "Kittiness to A one Mand Offer (Mexic-Boprano) 5.15 0.0. CHALDEN'S CORNER OF J. Schotar Haft Hoor Mr. J. S. Lock, B.A., "Popular Lafo in Laterature—The 6:40-0.55. + 0.55. Manstry of Agriculture's Fort aughtly Buletin. B.B from London WEATHER FORECAST and NIWS PERCY SCHOLES. B.B. from London Local News.

"From the Cotton Fields."

OFFICE JOHNSON (Sepando)

W J STARKEY (Solo Bango).

THE STATION ON HESTRA

Conductor, EDWARD CLARK

Orchestrs.

Thur

Negro Spiritusis , ..., mr H. T. Burleyk

V. J. State

A meorgia Wa k. B. in

"Unels Sambo

Frank Stations

Frank Stafford

Suite, " Americana

b. or that he bear in Georgia."
"You're in Kontucky, Share as You're 8.25.—Speeches relayed from the CIVIL SERVICE DINNER, S.B. from London, 9 16. Orchostra, Selected 9 30. WEATHER FUREYAST and NEWS, Colonel The MASTER OF SEMPILL, S.B. from London, Local News. 10 0. Gertrude Judmen. Sutteron Scatt-Gatty (1) 2BD ABERDEEN. 495 M.
3 30-4 16. School Transmission 2 Dr. W
Douglas Simpson, F.S.A. Set), on
The Romans Accricia we Mr.
Wanam Swammen, M.A. on
Harry Townend, M.A. on
15. h.—Bestrice Evelins (Cello Rocital),
followed by Feminine Topics
20.4.0. CHILDRAN'S CORNER.
6.0.—Football Course; Conducted by Leter
Cranmich. Cragnith

6.20. Mr. Whate Bown, B.Sc., MR.C.V.S.,

"Veternary To a

i-40.—Fartone Advisory Corner, Conducted by
Jon G. Maura, B.S.

6.50. Agricultural Notes

7.0.—Whather Fores, AST and Arty S.

PERCY SCHULES, S.B. Joint London,
Local Naty. T 30-8.26. Programme S. B. from Glasgov

8.25. Speeches relayed from the CIVIL
SERVICE DINNER. S. B. from Landon.

9.15. Programme S. B. from Glasgov

9.30. WEATHER FOREI AST and NEWS
Casted THE MASTER OF SEMAILL S.B. from Leaden. Local News 10.0-10.30.—Programme S.B. from Glasgow. 1 30-4.0.—Browtrost to Schmus. 4.0-5.16. The Wireless Quartet. Agnes Sowter 4.0-5.16. The Witeless Quartet. Agnes Sowter (Cuntralto). Afternoon Topics 14-8.0.—CHILDREN'S COINER 6.0-8.5.—Weather Forecast for Favorers, 40-19. May 7 of Agne been borden 1 MEATHER FORECAST and NEWS.

PERCY SCHOLES. S.B. from London, Least News. Popular Wight

The STATION ORCHESTRA
Conducted by ISAAC LOSOWSKA
HE GLASGOW BACH CHOIR
Conducted by J. MICHAEL DIACK.
ALGUSTUS BEDDIE (Scota Receipt).
MARGARET THAUKFRAY (Contrabo).

S.B. to Absorber 8.25 9.15. Specther relayed from the Civil Service Dionat. S. H. from London.
9 15 Augustus Bedure.
9 Robbie Doo at a Burns Supper. Wough.
30. WEATHER FORECAST and NEWS.
Colough THE MASTER OF SEMILL.
8.H. from London. Local News.
10.0. Masgarat Trackers.
10.0. Masgarat Trackers.
11 Moon Along.
12 Clarke.

Thursday's Programme

(Confinued from page 353)

Suite, To Miracie From pred . k 50. Cons. ance Wentworth and Frederick Lake. Duets Waying . . .

Frederick Loke.
"Land Me Your Aid" ("Irene") Gounod
"When the Stare Were Brightly Shaing" (Tosca) .

Constance Wentworth, " Down in the Forest" ... Landon Ronald (5: " Cherry Ripe" Lelonaus " Wart" d'Hardeto!

Orchestra. State, " The Marri ant of Venue " . Rose,

brederick Lake.

"On Wines of Song" Mendiose to
"Where er You Walk" In 101

Constance Wentworth "Weep, Ah, Weep!" (" Le Gid ") Massence "One Fine Doy " (" Madame Butterliy ")

8.58. Constance Wentworth and Frederick Lake Sweet Rightingale', 1 cm. 300

Orchostra. Coucasian Sketches

Prederick Lake. A fan Man Newton L Mary Rechardson

9.30 L. O.+ Prop. in me S.B. grant Lot Jon.

420 M. GLASGOW.

2.30-4.50. The Wirdom Quartet. F I Domo (Baritone). Afternoon Topics F. F. S

5.15-6.0.—CHILDISEN'S CORNER.

6.0- 8.5. Wenther Forecast for Furmers.

0.40-6.55.-Mr. Harry Townsend, S. L. Jenna Abendeen

7.0 .- WLATHIR FORECAST and MIWS S.H. from London, Radia Samety Taik. S.B. from London

Mr. ALLEN S. WALKER, &B. from London . Local News

Spanish Scenet.

735. JOSE CLARASO will give a Talk on Spanish on "Old Spoin."

On water.

1su let Music. "Le Cld " Musecut

Roy Handerson, The Moorish Flag " ... Segmentin of Murean" Asturia

8 26. A Personality by A. Parry Gous.
* Magdolena."

Beatmen Evelue. Service of February a La Fluviol. El Trik y l'Escar-Condition

Orchestra.

"We vary Mirribs, "Lo Cubana
by the service of the ser

2.10. Roy Henogram
"The Torondor's Song" (" Carmen") Be es Bentrion Evalua

Three Spanish Dances 9 20-11 0.-Programme S.B. from London.

A sumplet appoint a triential item subsites likewoods of its publisher. A key list of publishers will be found unpage 557

BIRMINGHAM.

SIT

WIRELESS PROGRAMME—SATURDAY (Feb. 21st.)

475 M.

The inters " S.E. " printed in finites to these programmes algority a Simulinasous Brandtoni from the abolion mendenny. 21.0 365 ML LONDON. 40-5.0. Time Signat from Grie with Correct The '2LO with a 'M' Tonor), Dora Mayfield (Entertainer The Lesson of the O'd Greek Combone,' by Florence Thornton Sin th, "'A Garden Chat," by D Eardley Wilmo) 30-515 CHILDREN'S CORNER Musicy the Octet. Each Young "The Rac doubt Children's Freezide 2009 (2) Children's News 6 40-6.55.-Mr GLIFFORD W COLLINSON F R.G S. 'Surface at Sydney 'Surfing at Sydney 70 TIME SIGNAL FROM BIG BEN WEAT THE FORE AST and IST OF N ERAL NEWS BULLETIN 8.8. to al Sir Tilke) OBE COOK. Editor of The Food, on Some Sporting Experiences S.H. to Aberacen. Locus News. Military Band Programmo, ** Sto Bones small

Alf Band of HM SCOTS GLARI

By kind parmasion of Col. G. C. C.

Payetsi, C.M.G., 118.0.)

Director of M sic. Love F. W. WOOD

EDITH ATHER (Sections

FRANK PHILLIPS Bass Jayrtom,

PETER TORKE Syncopation Priories

JAY KAYE (Entertainer) The Bond March, 'Empire'' Overfore 'Carnyn, de Ves c Right (5) Ed th Attev

Ave Maria " (adapted to the 't . er

Rusticans Interinezzo, Mascagni citty Speaks Peter Yorke " Upright and Grand " Frank Punta Bouncing on the Keys Playmol appa x I'e dand.
Select a 'Props' Jones
The Fiddler of Donney Dunbill (14
The Fuchsia T ec R Quatre
the Sea to my M chaef Bead (1) The Market " Molly Corea Slave Song " The Band

Polite Regulation of the Band

Polite Regulation of the Band 8 35 approx]. Petite Sante de Concert" Calendge Taylor Peter Yorke
Over and Under'
The Arm Breaker'
Fred Rose Fred Bone Fred Rone

Fred Rone

Fred Rone

Fred Rone

Fred Rone

Fred Rone

Star of Eve

Love Went A Riding

The Band

Sparish Dances

The Band

Sparish Dances

Folk Song State

Voughar Welliams (1)

S.O.—TIWE SIGNAL FROM GREENWICH

WEATHER FORECAST and 2ND

GENERAL NEWS BILLETIN, 5 B

to all Stations to all Stations
Mr F M. OARRUTHERS Soccer Task
England's Team." S.B to all Stations Locas News. The Boud. 10.0 Introduction to Act III and Bridal March [Lobengra Jay Kaye. "The Salvage Man" (a Dan Lene Memory)
The Band
Value from "The Swan Lake" (Ballet)
Tehnikovsky THE SAVOY ORPHEANS, BAVOY HAVANA BAND, and SELMA FOUR relayed from the Savoy Hotel, London S B to oll Stations.

12.0.-Close down.

a affoliate of the person if or .0.5.30 WOMEN S (NANER Oners Mer t Hawkes, "Forther Tales of Stafford share." Anne Sanders (Contralt) 1.30-6.30. -CHILI REA'S CORNER Ann Pho. and a further Southy Adventure and Winifred Firth Pranoforte Buets WEATHER FORECAST and NEWS S 11 a London Mr. GIL EVANS (Weigh International and er vice y Referee). Ragby Footbal Lore Nows A Nigger Minstrol Programme. Produced under the Directon of CHARLES BUGHES Specialities will be given by A SHCY EDI AR J HN LENRY WILLIAM MACREADY E W PARKER JOSE H WELCH THE SIT" MALE VOICE QUARTED With Manual I for onless ov U. S. STATL N. ORCLESTRA N B. 10 " 5XX 930. WEATHER FORECAST and NEWS 8.B. from Landon Mr. F. M. CARRUTHERS. S.B. C. o. Local News and F and Review B SAVOY BANDS 8 # " 12.0 -Cause down. 6BM BOURNEMOUTH, 385 M. 5.55-5.0. Talk to Women: "Gardoning," by George Dames, Ronald Guarley (Enter-oamer), Waisfied Fairlie (Entertainer Jeramo Murphy (Entertainer), Raymond Nawell (Baritone).

5.0-6.0. CHILDREN'S CORNER

6 0-6.30. Set otars' Half Hour : "The Geo-graphy of Minerals," by W. F. Perry

70.-WEATHER FORECAST and NEWS. 8.B. from London

Almoral W. H. D'OYLY - "The Function of Crussess during the War, and Com-merce Protection" (II

Loca, News.

7 30-12.0. Programme S.B. from Landon.

CARDIFF. 351 M.

3.0-4.0.—Faikman and his Orchestra, colayed from the Capital Cinema.

4.45-5.15.-- " SWA'S " "FIVE O'CLOCKS"

\$16.60.-CHILDREN B CORNER

6.40-6.55. Capt. Morrey Salmon, M C., " Wild Birds of Wales and the West Country Hints on Wild Bird Photography

7.0.-WEATHER FORECAST and NEWS

Mr. B. O. LUKE, To maker Surveyor Bristol, on " The H granes a 1 By mays of the Post Office

Local News

THE PACK OF CARDS CONCERT PARIX

Under the Direction of J. HORACE POTTER THE STATION ORCHESTRA Conductor, WARWICK BRAITHWAITE

7.30 Orolle-Selection " The Bing In in I get 6 Entry of the Boyer a" Bulconeen We Int oduce () Party We Can Bing Ail Day Long
if ston and Lee (7) The Bong of Har-equit," by the Ace Fig. Acc. f Spades and f The H I is Bell and The Act and the Antelops 6 a 13 The Queen Sings of ' The Los Potter and Julia A Few Provense a Decembed . ter and Jukes Our Topi as Budget or and Julies • vertage, 14 Conic and 24 6 W -- Talk | La al Sp. . . by L. E WILLIAMS 9.6 Concert Parsy Now for a Few G Patter and Junes . se Ace of water Verm none Love, are Potter 7) An Alternation along The Pack of Cards Version of the Vers. To Love Potter and Jukes Or was Saite, "From the are March A am rale All " ... Beth 930. WEATHER FOREGAST and NeV \times 8 B from London Mr F M CARKUTHERS, & B. from London Lucas News 10 0. THE SAVOY BANDS. & B. from Zon-

MANCHESTER 2ZY 375 M.

3.30-4.30 Moses Barytz: Lecture on Gounod," with Gramophoge Blustre f p (225)

4 30 S.O. W MEN S HALF HOUR: Jency Dagdate (Recitations)

5.0-6.0. CHILDREN & CORNER

70. WEATHER F RECUST and NEWS. S # from London.

Mr F STACEL LINTUIT: Weekly Task on Spor

Local News.

12 0.-- Clase down.

271 " E -----* CINTERESTA A Fa y Luc Soue Extravagunes,

By Henry J. Byron

Music by the "EZY" Quartet
fundental Messo and Vocal Numbers
from "C oderella, by John Farmer (15),
Additional Popular Pontomuse Songs.

Prince Poppett. (Prince of Salarna and Pretty Follows) HYLDA METCALF Daudino (His Valet and a Very Deep One) VICTOR SMYTHE

(rotor a.H., probilA H B. DRENAN B. can Balderdaah (A Elight y Damaged Ediston of the Last of the Barons') D. E. OKMEROD Button A Page of the "Last of the or vs." TOM WILSON

A number against a munical stem undicates the Innies of stem publisher. A key list of publishers will be found on page 157.

WIRELESS PROGRAMME—SATURDAY (Feb. 21st.)

the fathers "4.8." printed in thates in these programment signify a simultaneous department from the stather mea-toned.

t Inrinda "Beron's Eddest Daugheer)

BETTY ELEMORE

To Farm and Dwagher)

TO BEACHCROFT

t ... rella (Baron's Youngest Daughter) NANCY RYNESS

Fairy Queen (Condereils's God nother) EDITH LEACH Honeydaw (A Fay) HELEN McLACHEAN Cindereda a Songa will be aming by

Scope L. A Forest Del 5 10 2.—An Apartment at the Baron's 2 J .-- Another Apartment at the

Same done Haron's Kichen
Same done Haron's Kichen
Same done of the Prince's Panace
Beane 6. Grand had not at Prince's
Produced by VICTOR SMY 1.54

Directed by ERIC FOGO
Music by the "2ZY" QUARTET

9 30. WEATHER FORECAST and NEWS N.B. trong Landon
Mr. F. M. CARRUTHERS S.B. from
Landon Local News.

10.9. Wireless Charade Competition (Final Group]

10.15.-THE SAVOY BANDS. S.B. from Lon-

12.0.-Clone down

NEWCASTLE. 400 M.

3 45.5 15 - Elisio Downing Soprano: The Sta-tion Septel Virial Back Women of Cook Brains

5 15 AD CHILDREN'S CORNER

6.50-7 0 .- Poultry Natra

70. WEATHER PORECAST and NEWS S.B. Irans Landon.

JOHN KENMIR: ' Footbale.'

Lucas News

Saturday Pot-Pourri.
FEATIALE FOR AND Solo ComARTHUR W. HALES Discuss Recta HI DSON BARNSLEY (Bardons' Condustor, EDWARD CLARK

Orches re

Selection, "The Gesha" 8. Janes B. 10-R.20.

Heatrice Eveline. Schuntern Old Welsh Are, " David of the Waite

B 35.

How Bal Adams Won the Be the of No. 10.

E.50.

Hudson flaradey

"Devoushire Cream and Cider'
W Sunderson (1,
"The Yeoman's Wedring Song"

Plower Darce " (Nath ") ... Behbes
Bill Hadon Barnsley
The Rolug Stone " Hombien (1,
Vulcun's Song " Hombien (1,
Vulcun's Cortew " Hombien (1,

9 20. Orchestra Myddleton

930. -WEATHER FORE(AST and NEWS S.B. from London
Mr. F. M. CARRUTHERS. S.R. from Local News
100. TILLEY S.DANCE OR DESIRA
F. bayed from
The Grand Assembly Rooms, Barras Bridge
110.—THE SAVOY BANDS. S.B. from London

12 6.—Close down

2BD ABERDEEN. 495 M. 3.30-5.0.—The Wireless Sextet. John Cooper

Barttone Femaline Topics 5 30-6.0.—CHILDREN S CORNER

Barrie will sing 6.15-6.30 —This Week's Interesting Anniversary (prepared by John Sparke Kirkland, "Cardinal Newman, born Fuhroary 21st,

6 40 6 85 Mr 4- ald N. Corrie, M.A., B Sc., A.I.C., F C.S., F.S.A. (Scot.), on The Master Singer—Ogs an. 7 0. -WEATHER FORECAST and NEWS. S.B. from London Sir THEODORE COOK. S.B. from London, lond News Local News,

Everybody's Programme.

GERTRI DE JOHNSON (Seprano).

WINIFRED SMALL (Violin).

MAURICE COLE (Papaforte).

JUPITER MARS Entertainer).

THE 2RD 'REPERTORY PLAYERS,

Japiter Mars

Will Open the Programme in Stomes and

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-5-In the Boursemon, programme for Jan. 11th, the B.B.C. madversently included a transcription of 'O Daying Redeemer' Mountain. There is no each purtained transcription of this work and apologies are tendered for the error to Mesors. Phi. 142 and Page, awares of the provided 755. VIOLIN AND PIANO RECITAL. Wenfred Small (Sole Vtolin,

"A Memory of Moscow" ... Wienelly-Korzakov

B. 35. "THE CUBE

A Farco in One Act by Arthur Back. Cae

John McHardy (A Working Man GOLDON MALCOLM

Mary McHardy , His Wife, BESTTY R. ESS

Mrs. Sharpo A Landlady)) DAIS) Mrs. Bruce (A Matron) and MoNGUR

Stress: A Country Boads de. Time: Spring Arranged for Broadcast by W. D. SIMPSON

Geetrude Johnson.

"Oh, Tell Me, Nightingale" ... Lehmons, "What's In the Air To-day?" ... Eden (4)

Jupiter Mars In More Stories and Songs.

Gertrada Johnson.

"The Little Damouel" Novello (1) 9.30-12.0.—Programms S.B. from Landon.

GLASGOW. . 420 M.

5.30-4.50.—The Wireless Quartet. John Beyer idge (Blind Entertainer). Afternoon Topics.

5.15-6.0. CHILDREN S CORNER: A. Home Day for Children of All Ages

6.0-6.5.—Weather Forecast for Farmurs

6 40-5.55. Glasgow Radio Society Talk

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

Mr. J. A. LOVE TINDAL: "Odds and Ends in Life,"

Local News.

Concert and Danto Night.

THE STATION ORCHESTRA
Conducted by ISAAC LUSOWSKY
DANIEL SEYMOUR
Will Sing the Your Numbers and Cloruses,

7.30.

Will Sing the Your Numbers and Cloruses.

Fox trot, "I Love", I Lost" [23]; Fox-trot,

mean Daddy" (9); Walls, "One Little
Date: Fox-trot, "I Can't Help Lovers That Giri" [32]; Modley, "Savey
Routeh" (9); Walts, "Rock-whys My
Baby Bines" (M); One-step, "Sorg!
Peroy" (6); Fox-trot, "In Between he
Showers" (2) Eightsome Real (36); Foxtrot, "Chil Bon Bom" (7)

BORO, GEASCOW SE FI H IR

Read Form

Ordestra
One-step, "American Medicy" (9), Fox-trot, "You Can Take Me Away from Drugs" (5) Fox-trot, "Just Like a Beau tiful Story" (51); Waltz, "Frex Love (19); Fox-trot, "When You Think of Ma" (28)

9.30 12 0. -Prog smore S. & from Lan w.

A combined agreement a reporteral plants succeeds the manus, of its publisher. A key list of publishers will be bound on these page.

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No. 1508: Ethaphone V (Mark IV.), without valves of process, \$2.30, to which must be seeded \$2.2 de Violenni organi

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WIRELESS PROGRAMME—BELFAST

(Feb. 15th to Feb. 21st.)

The letters | 2.6." printed in classes in these pragramme signify a Semultaneous Breadoust from the station meet from the 435 M.

2BE

INTERPRETATION OF THE PERSON O

2.05.7 Programme S.B. from London 5.0-5.30. CHILDREN S CORNER, S.B.

Hyma, "Soldiers of Christ, Ar

3 30. Quartet

Sonata No. 4 in H Minor for a to

Violoncello and Pia. Hod

Con erto for Two V mass and Piaco in D

M nor Hard

10.0. Whather order as

20.15. Quartet

Sonata for Pianu and Violoncello in C, Op.

62. No. 1

10 30 - Class down

AGMITAY

40 : The ZOE Quores

MODIO CLILLORES - CORNER

6 a 6 5a Prive R. V. Hours Quor a Corner One e en ad Reine

7 WENTHER - Example ASC - NEWS

1 R. DE MONTO EN A

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Some Modern English Orchestral Music.

THE STATE IN ORCHESTRA THE BELFAST RADIO PLAYERS

O. "AN HOUR IN A MID VICTORIAN DRAWING ROOM" Ongreated and Produced by TYRONE POWER.

Mis. Poubury Paunceto c
CHARLOTTE TEDL 1E
Morta (Hee Daughter) ... EYVA KEAR
Clara Twigg ... KATHLEEN POHIER
Connel Touman Toser
ARTHLE MALCOLM
Frederick Blenkusop TYRONE POWER
Albert Pantis
Orchestra Character

Frederick Blenkinsop Tyrkor.

Albert Pantin T. O. CORATY

Albert Pantin Orchestra

Three English Dances ... Euger Quister (1)
Celtic Rhapeonly ... Jenkins (1)
Two Folk Song Invils (Founded in Fark
Tunes) G. Butterworth (14)

KAROLD HOLT (Solo Oloce)
Chansonetto ... Hamilton Harty (14,
Lavotte, Tetera-Tete Durloy 14
Rastic Dance (Annual or Parce)

S. A. EATHER FORECAST and NEWS
S. B. from London

Mr. GEORGE MACDON ALD S. B. from
London, Local News.

10.0. Orchestes

10.0. Sering ... The Morry Widow ... Lehar

Bath.

10 30. Class down

TUESDAY.

11.30-12.30.—Gramophone Hecords. 4 0-5.30.—Concert. The Station Orchestra. Harold Holt (Cor Angles, 5 30-6.15.—CHILDREN'S CORNER OBO.-Programme S.B. tram London.

Belfast Pestmen's 13th Concert. In aid of the Row and H if Benevolent

3 D B Inc "

Devot in A. A. Stone
The Two Greendrers' Schowman
8 SO II 0 -- Frag name S.B. from Landon

1 1 1 1 1 1 4 1

Symphony Concert.

THE STATION ALGMENTED

(I. Hes. A. COMENTED

(II. Hes. A. COMENTED

(III. Hes. A. C

Grebestra. Raspsodic Dante, "The Bamboula"

Suite from the Minne for the Royal Free San's Carmen H
Ann with Orchestra, "Voi che Sagete" Nouse de Figure" Merinana
Variations Symplomiques " Hearmann

Cormen H. I.

In Summer Time on
Bredon T.

Lovenest of Trees " Greham Perl (1
Soldier, I Wish You West Greham Perl (1
Restrice Eve

Old Italian Air " Summartini Sance Idyle" Ethel Burnes (16)

V Hanelia " Principle Namon

0.30.-Close down

THURSDAY.

4 0-5.0.—The 20K" Quincel

- 30-6.15.—I HILDEEN'S CORNEL

- 6.75 Monthly Scout Beller n

70 WEATHER FURE AST and NEWS

N.B. from London

Radio Socially Talk S.B. from London

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

London Locus News

"High and Low Brow." THE STATION ORTHLSTHA
HI GO THOMPSON (Baratone)
WINIFRED SMALL (Vouc)
MAURICE COLE (Pencolarte)

Selection, "The Arend ata Varietion and Tailor Win fred Small Dack Arender Via Chechenge Chicago Bours Character Chicago Bours Chicago Chicago

Principal Arciale
Chinese Banen
Hugo Thompson
Behmatser
The Vagauond
T

Hago Thompson.
The Fertune Honter Willety
Lefe in Northing Without Money
File
When the King West Purtly to Win

Maurica (b (17th Century) waapsuuy a B M nor " a. Birthma

Selection, "Vérange" ... Message Suite, "Monsseur Reauen ru" ... Rosse March, "Old Comrades" ... Te ke 9.30-11.0.—Programme S.B. Jeom London

FRIDAY.

11 50 12 50 Grampylb in Records 2 50 3.0 —School Transmiss on E. Goafrey Brawn, "Appreciation of Mesic 4.0-5 50. The Station Orchestra Dorothy

Camlin (Suprazu) 6.40-6.55. Minstry of Agriculture's Fort nightly Bulletin, S.R. from London, Radio Association of Northern Ireland Pariet a

7 0-10.30 -Programme S.B. Iron London.

SATURDAY.

40.50. The " 2BE " True, E J. Harts See 5.30 6.15.—CHILE BEX 9 CORNE

WEATHER FORECAST an NEWS.

S.B. from London Mr. R. H. CODLTER, Task on Hockey. Naves

Popular Programme.
THE CRESCENT MALE VOICE

C adactor HAMILTON HOL.
FRNEST A. A. STONE LY Solo Violeo,
A. LINE BARKER (Solo Harp
JOHN A. BLEYSLIE Recontent
THE STATION OR HESTRA
Oreacute

Barch, ' Ratry of the Boyards' Holeosses Overture, ' M'reas Gondon Selection, "Looking Backward" . Firek

Some Amendales

" Spinning Wheel "

Orobosen.

"Military Two-step." ... Gould Verschoyle
9.30 12.0.—Programme S.B. from London.

A number against a motoral stem eath ster the aware of its publisher. A hep list of publishers will be found in page 267.

A Page Torn From 6.6

The Tragedy of Schumann. By R. D. S. McMillan.



THERE is material for the pen of s tar coreffine-in the life of Sch mann. The drama is there, await ing the magic touch of some master like Bazae to make it jump once more to to with all its an arriv of emotion

let as, dispar-sionately, examine the facts. The son of a bookseller Robert Schungen

was born at Zwicken, in Saxony, on June 8th, 1810. As a child, he showest unusual talent for manic and when he was mue, the local music teacher ventured the opinion that the boy had no further need for his services in funtion He early displayed a literary bent, too; but nearly all his activities were centred in nimes.

When he was nearly eighteen, came a device tion from the path that was to lead him to glory In this year-1628-he went to the University of Leipsic to study law at the earnest wish of his mother. He was frankly ant pathetic to the law as a profession. His mother, on the other hand, his father was now dead—believed that music would provide only a precarious livelihood. But the youth could not stop his cars to the call of his art, and Lie mother at last gave way under the persuamons of others Is well as her son a. One of his "supporters in this event was Wirek, a music takeler, who breams his greatest enemy, and how the pendulum twings lateratil, his father-in-law

His Will to Conquer.

As his first letter from Lespsio shows, Schumann had struggled with his own ambitions -

Head, not only tols or e, at any tell ere, but a sile tore, but a sile tore, be welles), with the same kim laving eyes, unclouded by anger. After a v few days here, I still feel quite well, though not quite happy. The ly pring rudonce, with the re-could definitions, would crush the big out of the from the start. Thus I stronges enclosely with myself and look in vain for someone to fell me what to do. And yet—there is no help for a 1 must choose law. I sold conquest

While in League he took some leasons from Wreek, and waon, in 1830, it was decided that he should abandon the law, he returned again to the university town to study under this reaches. He proped his faith to his own ability sa a virtuoso of the pueno, but an invention which he employed for strengthening the fingers resulted in disaster, his right hand becoming emppled. If he wished to pursue his art, there fore, he could do so only as a composer, and to this he turned with unabated regerness.

An Idea) Romance.

When behumann had first gone to the Wieck household, Clara Wirok was a child of mine Herer I marry it will be an Englishwoman

the young composer wrote to his mother in 1930. but as the years passed, he changed his mind. be control has affectious in his teacher's daughter Hara Wieck became a great planest, and when behamann was still a strugger on the rough road to fame, she had already reached her gos.
Her father may have borne this in maid and

looked upon Spharuph a marital amortion as too lofty, if not impodent, in one who had comparatively poor prospects of success (as it seemed); or it may have been jestousty by which he was actuated. What he did, at any nate, was to oppose the union with might and main. When he discovered that he could not put an end to the romance, he openly alandered and abused Schamann. Of course, Robert and Clara had to part, but they wrote many setters to one another-detters in which we can trace the joys and serrows of the two who are the itien, layers of manical history

They were married at last in 1840, but not before Schumaun bad obtained a legal decree of the court to enable them to suspense with her parent a consent to the marriage

This same year saw some remackable compositions from Schumann: particularly his Larder, upon which, as Sir Landon Ronald has remarked, the fame of the composer will probably ultimately rest. He was supremely happy, and he let the world know it! More than one hundred and tharty songs he wrote in 1840, many of them being settings of Hearrich Heine's poenis. He had, of course, a wife to encourage him—a wife who, a genus herself, was yet "astonished at his mind, at all the treasures it contains." Clara Schumann is tor proted his work with heart and brain.

The Tragic Twilight.

It was in the following year that Schumular wrote three symptomes, the first, in B. Is (" Spring"), being composed under the guidance of Mendelstonn. He also wrote a striking move ment for piano and orchestra, which afterwards became the first movement of the pianeforte concerto in A Minor. After this came the Piano forte Quantet, one of the most exquaite examples of chamber music, which was played by his wife to enthusiastic audiences throughout Europe There is, too, his beautiful overture to Man, ref.

Schumann houself knew that his boun was becoming affected, and in the locid intervals when the curtain of night was descending spon his intellect he dwelt upon the necessity of going into an asylom. The tragge twilight began to deepen at the beginning of 1854, and thou come the final warning.

Saved by Faberman.

He had been suffering from ballucinations and at last he had to lay asule his work. He hoped that he would conquer the malady, but it grew upon him ontil he was an invalid who had to be watched almost constantly. Then one day he stole out of his room and, going straight to the Rhine (this was in Dusseldorf), walked on to the module of the bridge and flung himself into the water. Some fishermen, by good luck, had seen him, and a boat soon went to his rescue. He was taken to an ear up, which he never left.

From nothing he had rused himself to glory that was near the stars, only to find himself, when at the height of his fame, a wanderer in a wilderness of dreadful night. He died in the asylum in July, 1850, when he was forty eix years of age.

Outspoken, But Sky.

Schamenn was a comunity, and an incurably thy one at that at least, in his personality. As a critic he was fearleasly outspuken. It was one of his dearest wishes that he might yes ! Engand with his wife, but the dream was never realized, and it was left to Madaine Schimann alone to popularize her husband's works in this

In one of his letters to his mother as a boy of eighteen Schumann wrote. * This it is ever life. The same we once pursued no long that and the same we starte, we aspire, to fails and much and body find rest in the grave,"

But, waste a man a work does not alwaylive after him, such genous as Schumanus Equipment for al. time.

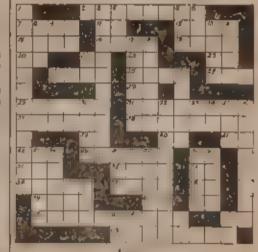
Our Cross-Word Competition.

Prize-Winners and a New Puzzle.

THERE was a large number of exceller of ourseller of ourseller The Roden Times Cross-Word Competition, and we have pleasure in announcing that prizes of £4 4s, each have been swarded to Mr. Y. kett 12. Winfield Mount Brack r. v. 100. Leeds, Yorks, and the Rev. W. B. Stewart, 38, Clovelly Street Marland, Roc idale names, for substatting the correct sol 1 ons to the Cross-Word Puzzle which appeared in our sone of January 23rd, and for submitting the best puzzles in accordance with the contactions.

Apparently, there are various commants for a "honour" of having introduced Cross Word Puzzles into Engund. In addition to Mr. Wilson McCarty, author of the book Cross-Word Puzzles," who spake recently to all listeners, there is Mr. Michael Davis, whoscarly puzzles were accepted about the same Luie as those of Mr. McCarty. It is behaved however that certain members of the Britis. Association, who attended the meeting of that body in Toronto last summer, are the real

The following is Mr. Trockett's proach



non-life in stout Production and instruction of the order of the section of the sect n while of san Bonn andread furbreth, To perform, Re-epheric To blad. I had to enter a factor of the The series of the received to Poor many best left.

Foreign success.

a. Bodbya Foto long and do

For a long or a

An a long or a

draw or

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s. Moreover to 40. Two-thirds of thirty of down two a Pa prisite jum wa (a) Billia motor to allo en a e le o sevolati a ca le cerce transit I on the west 3: Por example the end of h o er a seg ger a seg ig, What witeless slegets inject out be godly of.

We shall publish the solution to this and Mr. Stewart's puzzle in our next usue.

purpose da la filia de la fili

he Gifted Amateur.

Written and Illustrated by WILL OWEN.

SOME men are born mechanics -canal to any professional others, like my friend id rion return their amatour status ad their days and cause endiesa trouble in the home.

There remains, however, a small menority an entelligenties, so to speak, brainy in every way except in the matter of applied mechanics, which really ug its limitations, calls in a man when mything has to be non-

I am of the intelligentian and that is why, when I decided to have a two calve set in staded I called at Mr. Burty

Just a Bit of Wire.

Mr. Barty advised a two valve set-no outdoor serial-just a bit of wire from the bell push to the fireplace all complete for a tenner

Lexplained to my expert that what I wanted was something that would enable me to hear the London programme by merely pushing a

button, something that could not by any possibility ever get on of order or need at-tention, as I was not good at mechanics

He said he anderatoud perfectly-what wanted Was Some thing absolutely (ool proof

The maid was in the room at the time-the least thing asts her hand or and I could not help feeling that Mr Rarty might have expressed himself Letter

To make units sure that I should have no tron les Mr Borty added a few gadgets and thangs to the set pad the onemal estimate was rather mov a nin du con

To cut a long story short, the set was ou v working quite sains-factorily for a week.

We were lutening to a vary interesting talk on Coke when Blurton dropped in to see how we were gutting on and of course, we had to remove the earphones and missed the best part

A Holping Ham!

It transpired that Blarton had taken his batteries to be re-charged and had selzed the opportunity to some round and help us if we happened to be in any difficulty

We invited him to pot on the spare 'phones, but he did not approve of carphones. Per-mount injury to the dram, due to our flattening. was one of the minor illa, and there was quite a number of really serious drawbooks to their use.

What you want is a loud speaker with a

good ampolier-you can hear mine from the end of the street," be said, and seemed to be proud of it

A Distant Youelling.

He was very persistent about the four-speaker and, for the cake of peace and quietness. I promised to get one exactly like his

We persuaded him presently to put on the earphones and he sat down beside the box and before I knew what was happening he was turbing one of the knobs and the Coke task dard away to a wheezy whistle

Mr. Barty's last words to me when he left had

been that we were on no account to touch the knobs, as the turing was a very deheate opera-

tion and would never be quite the same again

I not that moment, the set had never been toucked, except for switching on and off, and everything bad gone smoothly, but by this about them. Some of as," he continued, "are cating, probing the darkness, lifting the durtain ever so slightly and, before long, my friend, I hope the gorden dawn--"
I know Blorton when he gets started in this

way and asked him to put in back on to the I'vice man, but he said he was trying to get an iff, parming something about waveenglis and low frequency amplification.

Sook to London.

I sold ham I would prefer Cromer, but he declared that impossible.

He was not successful in getting Cardiff and tried Bournemonth Aberdeen, and shape at ses. He was very keen on the shape at sea, as bu un erstants Morse and told us that he had listened narte recently to a conversation between two battleships, concerning the Captain's pipe that had been left behind in the ward room

He admitted at fast t int the atmospherica. were too strong and he would just put us back

Lone or. He turned the knubs and gave them every chance and opened the wax to see that the valves had not ex-ploded. Then he ploded. Then be asked me if I was our of my earth. I hadn't the forgresh material why he wented to know but assured him. we were on gravel.

He unisstened overy wire that could unfastened ano fastened most of them on again, but coala discover nothing and whether the butteries had run down.

The bu ba were stalglowing, but appeared to me a terte and and I was not prased.

There was a comber of wires lying loose that had not been loose when Blurton began and he tried ameeting them up to anything handy



He was very persevering with the wires and one that had somehow got around his theoat and looked like strangling him, he litted eventually to the electric standard, when the main fused immediately and we were left in after darkness.

As it was impossible for him to help us any more, I bgated him to the door with a match and he said he would be round again on the following evening but I caplained that we were booked up every night for the next month.



We were listening to a very interesting talk on Coke when Blurton dropped in.

time. Burton had twisted all the knobs and the thing was burning like a bee-

It wasn't like a bee all the time, as occasionally it would dwindle away to a distant yadelling possibly, a shopherd in the Bernese Oberland calling the cattle home—at other times a sharper

note was beard, suggestive of the perwit, but we could never be quite sur-

We got rather tired of the buzzing after a time and I asked Borton what caused it.

Atmospheries," he said, waving the hand that was not busy with the knobs

"Why haven't we ever beard it before?" I

' There you have me," he said; " they come they go-but at present we know very little

ORCHESTRAL LECTURE CONCERTS.

Tue last of the series of Orchestral Lecture Concrete for school children, given under the nospices of the Education Authority for Educ though, will be relayed from the Usher Hall at \$30 p.m., on Friday February 27th. These to be a seed popular. The lecturer will be Mr. Perhant W seman, LA. D. a of M. and to the Education

Authority, Edinburgh.

SONGS IN GAELIC.

THE GARLIC CHOIR will give the programme at the Dundee Station on Friday, February About sixty strong, they will submit a of part songs and solos in Gaesic and + ... This Chart were the winners of the Loyat and Turhardine Challenge Shield at Franklingh in 1919, and at Fort William in 1922. and the winners of the Macdonald Trophy at Dundee Musica, Festival in 1923 and 1924

PIANIST AND COMPOSER

Tex band of the 2nd Batt. South Stafford. shire Regiment will contribute pupular music at the Prymou h Station on February 37th.

During the same evening Mosa Constance Holt Finney will give half an hour's recital of her own compositions, including maniforte solos by herself. She will be supported by Miss May Burleigh (soprano), Miss Winzfred Cole (con-tral.o.), and Mr. Herhert Wellington (bazitore



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terry one of hese adverturments will shop an added advantage in the construction of Brandes Headphones

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Princh Manu acture (B B C. Stamped.)

When we assemble the Matched Tone Headphones we select, by means of a special apparatus, two earpieces whose electrical properties closely agree. One by one the earpieces are tested by vibrating the diaphragm of a fixed telephone receiver with an oscillating current. The vibration is transmitted by a closed column of air to the diaphragm of the one on test which is adjusted immediately beneath the permanently fixed example. It then vibrates in sympathy, thus causing a current to flow through the bobbins. The volume of the current is indicated on the dial of the testing apparatus. Any two 'phones which closely agree are matched and are assembled in one headphone, hence Matched Tone. This means greater purity, strength and sensitivity. Obviously, the joint energies of both earpieces in perfect unison means redoubled effectiveness in all these three qualities. Ash your Dealer for Brandes.



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SUNDAY, February 15th.

3 8 5.0 Programme S.B from Landon 6 0 5.30.—CillaDRbN'S CORN R. B.B from

9.30-10.0.—Programme S B 10.0 16 30 .- Programme S.B from Lumbon

MONDAY, Feb. 16th, and WEDNESDAY, Feb. 18th 5 30 6 15 4 HILDREN'S CORNER 540 10 30,-Programma S.B. from London.

TLESDAY, February 17th

(RULerlet N.S. CORNEP

4 ** ** Programme S.B. from London

Operatic Programma

GWALLYS VALUE BY THE WIRELESS OF REAL

7.300

etl Song "Likind" Detoes
755 approx.). The Orchestra
u tot Masse. "Anacreon" Cherubia
Chorus, with Orchestra
Chorus to Pag, assa"). Le
6.20 approx.). The Orchestra
Gwladys Nass
Rest ative and Aria, "Ah, fors b lo.
("Triviata") Vreh
Gwladys Nash, with Chorus
Easher Hymn" ("Cavalleria Rusticana")

8.16 (approx.) The Onehestra.

Surfe No. 3 1 Carn' or Level Compus, with Orchestra

Kermeses Scott ("Faist") Caunod

Star ow Song Process Mys sees

Charas, with Orchestra.

21 0 .- Close down,

THURSDAY, February 19th.

5.30-8.0.—Programme S.B. from London, Masic and Cobaret relayed from

NEW PRINCES RESTAURANT

Pianotorte Recital. SAPELLNIK OF

9. ats in 8 Flat M nor a man, Chopin 230-110 - Programme 8 B. from Lordon.

FRIDAY, February 20th

FRIDAY, February 20th

5 70 0 10 — CHILDREN S CORNER

6 40 9 40 — Programme & B. from Landon.

8 40. Speeches by Tho Rt. Hon. WINS NOTH REHILL, M.F., The Rt. I

ALSTEN CHAMBERLAIN M.P.

Hon. P. C. LASKIN, Sir FRAN, I
FLOUD. K.C.B. Sir CLAUD SCHT S.

TEB., K.C.B., C.V.O., K.C., at the

CIVIL SE CVICE DINNER. from the Connaught Rooms, Holbern Res

10.15-10.30. Programme S B. from London.

SATURDAY, February 21st.

5.39 & 15. CLILDREN'S CORNEL 6 40-7-30. Programme S.B. from London 7 30-9-30.—Programme S.B. from Burmingham 9. Programme S.B. from Landon

Dundee Programme. 2DE 331 M.

Week Beginning Sunday, February 15th.

SUNDAY, February 15th.

3 0 5.50 Programme S B from Landi

consucted by the Rev

by T V DAVLOSON, V.D., re

s Mary & Clarch

1 14 N C D Concert. S B. from Lasse

MONDAY, Feb. 16th, and WEDNESDAY, Feb. 18th

3 30-4 30.- Karanard Bad Picture House 1 30 5:0. —Organ Receil. (18th., 5.9 5.15. WOM A'S FOPICS. 5.15 8.0. CLILLIAREN S CURNER

"0-11 30. - Programme S.B. from Gluojuw.

TUESDAY, February 17th.

7 0-11 0 .- Programme S B. Jour. London

THURSDAY, February 19th. 4.30-5.0. New Gramophone Records. 5.15 6.0. -CHILDREN S CO. NER. 6.40 6.55.-Mr. Harry Townend, S.B. from

7.0-11 0. Programme S.B. from London

FRIDAY, February 20th.

CHILDIEN'S CORNER

Manutry of Agriculture's Fors

react Bulletin. S.B. from Land

1. 30. Programme S.B. from Landon. 13 1 9

Drumatic Night, RUE DAVIDSON (Contracta) Still as the Night "..., ... , Cart Bohm Spring Waters W. Rockman
T IE HARTYEY TRIO
Nol. Gwyn Bancus
THE TIE RELECTORY Buchmaninor

S.35. Crue Davidson

to A 5. Programme & B. from London.

1 - News and Station Topics

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2 ** The Tric.

Sweet on, "Maxime Pompassour Leo Full 10 85. Close down. SATURDAY, February 21st II N 8 CORNAR 12 5 Programma S.B from Gargon

Edinburgh Programme. 2E.H 465 M.

Week Beginning Sunday, February 15th.

SUNDAY, February 15th.

1.0 5.20. Programmes S.B. from Lunds

9.6-10.45.-B N.O.C. Concert, & B. Jioni Leverpool,

MONDAY, February 16th.
J.P. 4.0.—The Statem Properties Tree
5.0.5.0.—CHILDREN'S CORNER
70-3 10.—Programme S.R. from Glaspon
9.40.—Mr. GEGEGE MACDONALD, C.B.,
LL.D., F.B.A., on Roman Britain "(7)
S.B. to Glaspon, Aberden, Dandes and

Local News. 10.0-10.30. Programme S.B. Jensi Glasgow.

TUESDAY, February 17th.

1 9 4.0. The Station Pictoriorie I a. J. G.D.—CH I DRI-NS POINT A. G.O.—CH I DRI-NS POINT A. G.O.—Prof Charles Saralse, LL.D., Ph.D., F.R.S.E., etc., on 'The Act and Cost of Laying in France.
7.0-11.0. Programme S.B. from London

WFDNESDAY, February 18th.

*30 3.39. The Station Finnel rice.

130-10. Talk to Schools Mr J. C. SMITH.
C.R.S. "Orrat States of an World."

-0.6.L.—EFILIBLEN'S CORN.

7-0.10.10. Programme S.R. from Charges.

Linkl Years. 10.50-10.50.—Programme S.B. from at 10.50-12.0.—" THE ROMANA BY VYLLY ES from the Danesan Pacas de Dense-

THURSDAY, February 19th.

12 30. Gramophone Records 4. 100 Station Planel are Tro.
6. Chillian v S Corner.
4.40-6.55. Mr. Harry Townend. S.B. from

7 0-11.0.—Programme S B. from London.

FRIDAY, February 20th

2.30-3-30. The Station Planoferte Tric.

4.5 + 1 fok to Schoom Mr H. MURTIM R
BATTEN, F.Z.S., on The Preservation
of Birds and Beasts."

of Birds and Beasts."

1 6 3 —CHILDRIN 6 CORNER.

9 6 5 Ministry of Agriculture's Fort-nightly Bullet n. 8 B. from London

7 9.—WEATHER FURECAST and NEW.

8 B. from London

PERCY 8(HOLES. 8 B from London.

A Mixed Pragramme.

BETTY COLLD (Segrano,
ARTHUR W, HAYES (Recitee)
PAUL DELLA TORRE (See Pienoforte).

THE BRIT SH LFGRON
MILITARY BAND
Poin Della Torre

Lots in U Minor, Op. 12 ("Pathetic").

Botty Good

When I Am Land in East

Come Unto These Ye low Sunda.

Arthur W. Hayen.

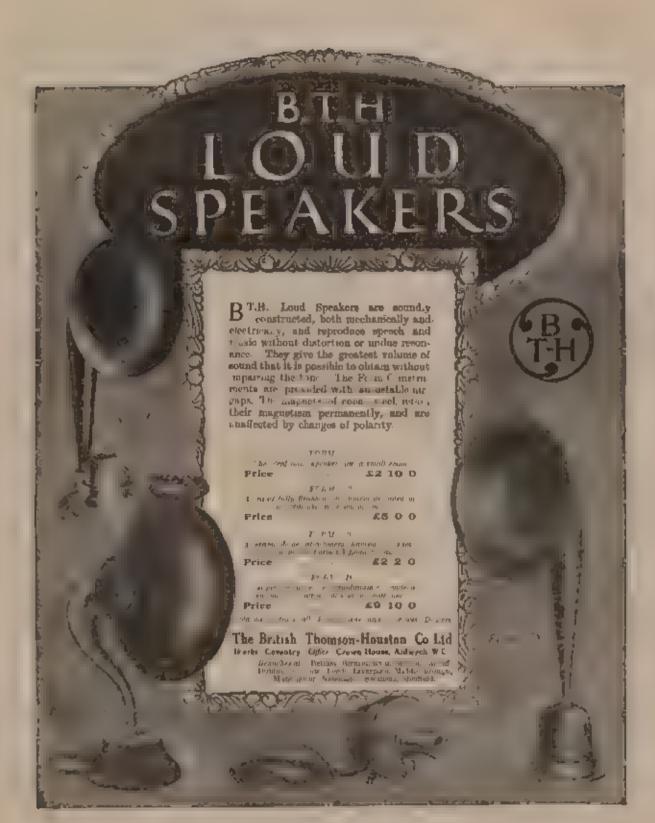
Selections from the Works of Charles

De house.

Overture, .ght Caval y " .. Supp rt doud Petral. Pho Wee MacGeorger

Paul Della Torre,
Impromptu No. 2 in G Fist Chopia
The Maiden's West, " Chepin Less.
Pre ade in D Fist Paul Della Torra

(Continued as page 379.)



Hull Programme.

Week Beginning Sunday, February 15th.

SUNDAY, February 15th

SUNDAY, Pentury 15th 0.0 10.45.- B N O.L. Concert. S.B. fr a L w

MONDAY, February 18th, and WEDNESDAY, February 18th.
3.0-3.30.) Masin relayed from the Mojeste 4.0-4.30. Preture He & 3.5-4.10. WE IN S. I. V. P. LOUR 5.15-6.15. CHILDREN S. CORNER 6.40-6.55. Bay Scouts Talk Wednesday.
4.13.50. Programme S.B. from Loud in

TUESDAY, February 17th, and THURSDAY, February 19th.

3 (5 30.) Gramophone Records.

FRIDAY, February 20th,

'M. Musse relayed from the Majostic
430.) Picture House

'We's some in the Majostic
430.16 CH LDREN'S CORNER

WEATH, R. FORECAST and NEWS

S. H. from London
PERCY SCHOLES. S. R. from London
Local New

Local New

Opera-Ballet.

R.BA COHEN S. A.A.
(SE. H. GRALEN (Teror).
1.11: STATION OBC.(ISTLA)
Under the direction of ELWARA STURES.

State, "Ballet Egypten". ... Lingen
Josepa Green
Ol. Vision Entrane ng " Goring Thomas
When a Charmer" (Rigoietto") Versi
Orchestra Same State, " Momes et In houses

So. do. Su.(6, Decide Cohen Muni's Bong " ("La Bohème ")., Puccent Recit., "Ah, Was It Ma ?"
Aria, "Let Me Ever Wander" ("La Travata")

Joseph Green ("The") 7.

8.56.

Filter Stop (Tutor) L.

Filter Stop (Tutor) L.

Filter a a Flower Hat Boome i

Marstana") Let Me Like a Solder Fall'

("Markana") Let Me Like a Solder Fall'

Your Tiny Hand is Frozer Cas Pace in

Ballet Suite. "Coppelia . De bes 10 30.-Crose down.

SATURDAY, February 21st.

3 0-3 30.) Gramophone Records
4 0-4 30.) Gramophone Records
8 30-4 0.— WONEN'S HALF-HOUR.
1 15-6 15.—CHILDREN'S CORNER.
7 0.— WEATHER FORECAST and NEWS. S.B. from London
The Rev J. C. t. C. MMING M.A., 'Besselin Town L.
Local Nove
7 30-12.3.—Programme S.B. from London.



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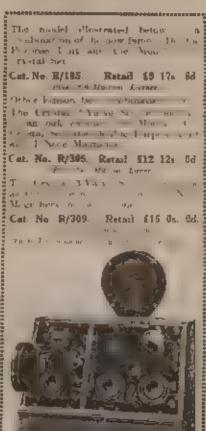
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Note Magnifier Cat. No. R/162 Name of American 12 of

Earli Edison Bell Note Blandfler amplifies a second or even mote condition can be related at an end of even in the contract of the contract of

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Leeds-Bradford Programme.

346 M. 310 M. Week Beginning Sunday, February 15th.

SUNDAY, February 15th.
3 th 5.20.—Programme S.B. from London,
8.10 9.0.—Service relayed from Horton Lane
Congregational Church, Bradford, Address by the Rev W Parking
H.N.O.C. Concert. S.B. from Lare

MONDAY, February 16th, and SATURDAY, February 21st.

1 1-12 30. Gramophone Records.

2 1-15 The Station Tree

1 1-15. CRILLIBEN'S CORNER

15-0 30.—Morse Fractice by L. Hurvey

15-0 40-6.65. Scouts Corner (Monday)

7.4 onwards.—Programme S.B. from Londe

TUESDAY, February 17th, and THURSDAY, February 19th 11 20-12 30. 43 rayrophone Records. 30-40 Isaac Freedman and has Ox-heatra

relayed from the Bradford Bradford A & 5 15. W DM A S HALF HOUR B 5 15 CHALDREA S CORNER A CHARLES S CORNER A E Bouteries, MA E Minst I (Thorsday)

In k A Bottle, MA A E Minst I (Thorsday) Talk B

7.0 II 0 .- Programme S B. from Lan son

WEDNESDAY, February 18th,
11 to 1. 30. Gramphose Records.
30-4 3d. Signor Calmani and J.s. Orchestra
relayed from the Scala The tre Law.
1. CHILDREN'S CORNER
6. 30.—Morse Practice by L. Harvey
Engineer in Curpe
18 40. 8.55.— "On My Anvil," by the Somesmith
7 to 20.50.—Programme S. B. from 1 ton

FRIDAY, February 20th. 11 30-12 30.—Gramophone Records 1 30-4 0.—A Tark to Local Schools. 4 0 5.0.—Signer California and his Orches is 5 8 15.—CHILDRAN'S CORNAR () 6 30. Morse Practice by L. Hurvey 7 0.— WEATHER FORECAST and NEWS.

S B. from Londo

1 For 1 Scholes S B. from London.

Lond News

Annie Cockcroft, Wilfred Hudson, and Harbert Butterwort; Vncal Trio, 'I Naviganti' (The Sailor'')

Speeches relayed from the CIVIL SFR VI. E DINNER S.B from London Jack Affecton. Hamorona Inter ade, "The Troubadner Herton

Belected. (Continued on page 8-9.)



The twitchings of a frog's legs!

NIMPORTANT and trivial details have often led to epoch-making discoveries. Just as we are told that the evolution of the first steam engine came from James Watt and the kettle boiling on the hearth, so the twitching of a freg's legs played no small part in the discovery of the first electric battery.

Professor Galvani-a noted Italian Scientist and Anatomist-it is said. Scientist and Anatomist—it is and bid passed a copper skewer through the limbs of a dead frog, and was about to bong them up on an iron nail in his laboratory. As soon as the copper touched the iron his naticed a convoluse twitching of the legs. That this was due to soom electrical influence he proved by touching a norse in the frog's limb with a piece of copper. As soon as those two matels were con-sected together a convuluye lock took place. And so came into being the first recorded instance of the electric battery.

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This Week's Number,

I madds on to many new and computer transfer wouth tell uppers regain by to faster what was a special articles by faster which provides the tending authors see into an appear articles by leveling authors see into an appear articles by leveling authors see in the see a person of the tending authors are also a detailed description showing how to build a Transfunge regain see and valve Araphitics regelber with

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Liverpool Programme.

6LV 315 M

Week Beginning Sunday, February 15th,

SUNDAY, February 15th.
2.0-5.20.—Programme S.B. from Lendon

to the He age " (A. and

As rees by the Rev J. B. JORDAN Bymn, 'The Day Thun Gavest" (A. and No 4

Operatic Evening.

8 B. to all Relay State one ACTS L. H. and HI.
LA BOOLEMY. Paccina.)

DRITISH NATIONAL OPERA and the

LN O.C. ORCHESTRA Commeted by FERCY FITT

Time-About 1830 in Para

0.0

tet I.—In the Attic. Act H.—In the Lat a Quarter to 0.—WEATHER FORECAST and News S Il from Louden

Act Hi. The Burriere d Enfer

MONDAY, Fabruary 16th, and WEDNESDAY,
February 18th.

1 0-12.0 Mid-day Chare

3.80-4.50.—Gas and and are Orchestra, relayed from the Scale Super Cherma

13c-4.50.—CHILDREN S CORNER

7 0-10 30 Progressive S B from Lundon

THURSDAY, February 19th

FRIDAY, February 20th
2.15 3 45.—Terrormar on to Schools
4.0 3.0.—The "State Brighter Liverpool Dane
Bane

WEATHER FORELAST and NEWS

Popular Glassics.

RI UDE ENGARD (Mexico Soprano ORGE HULL (Burtone)
T (E STATION SYMPHONE) Under the Drive of f FREDER CALL MAY Note to Baritz

Overture, "Turnhido -Gortrude on parts. 7.40.

(Violat Obbligato, PEDERICK BROWN)
To the Children F or (4) I par (4) Tomberi In a Strange La.

Wand of Youth, Ste No. 2 Elger (11)

"County HE,
for a Carousa, ["Dun Giovanni")

Mozart

"Such's Cubbling Song" ("The Measures agers")

"Song of the Fien"

"Continued on page \$79.)



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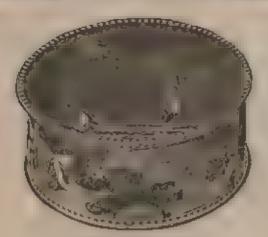
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Nottingham Programme.

Week Beginning Sunday, February 15th.

SUNDAY, February 15th.

3 . Programmes S.B. Irons Landon

D 3: 10 45. Programme S.B. from Live on

MONDAY, Fabruary 16th.

11 30 12 30.—Fignofa Bertin 3 30 4 30. The S was to one Theater Or ass tra M sent large of Andlew James. 4 30 5.6. WOMENS TOPACS. 5 15 0.0.—CHILDREN'S CORNER.

6 0 d. l5 .-- Teens' Corner.

Charles Surrous Courses Box From Fore Description on the A Residence of Language Street Description of the Course of Language Street Description of Languag

TUESDAY, February 17th.

3.30 4.30 - Lyons' Café Orchestra . Conductor,

4 30 6.0. WOM N'S TOPICS

1 1 (1 a.b.R. N.S. CORNER

1 1 (1 a.b.R. N.S. CORNER

1 1 (1 a.b.R. N.S. CORNER

1 5 1 cons C. sar

6 5 1 cons C. sar

6 5 5 M. V. De Soia, Puito, M.A.,

Factor

7.0- Il 0.- Programme S B. from Limbon

WEDNESDAY, February 18th.

WEDNESDAY, February 18th.

11 30 12.30. Gramophone Regards of the week at 4 30. Leons Unit Ore astro
4 30 6.0.—WOMEN'S TOFIC
5 1 CHALLER'N'S CORNE.

1 100 K 1 200 M MAG Talk
1 consistent at a self-second with the following at the second with the sec

The Abert Pa Nottinghams

THURSDAY, February 19th.

A country 19th to make the second of H S to Let be any common in local to the second of H S to Let be any common in local to the second of the Children Second of the seco

(11) Long name S.D. com C. selan.

FRIDAY, February 20th

FRIDAY, February 20th

3) * 30th - transpic Record

3 30 4 30. Lyons Co. 10 hosten

4 30 5.0. Widness Dill's

1 P.N. ORNE C.

1 P.N. ORNE C.

1 P.N. ORNE C.

2 P. VICIS YOUNGHUSBAND,

3 P. VICIS YOUNGHUSBAND,

4 P. VICIS YOUNG

6.40 7.30. - Programme S. B. from Landon.

An Evening of Variety, THE FLINT FAMILY

7 50. THE FLINT FAMILY
W. I ROTESTAN

7 50. RUBY BARLOW AND ELWAPA

MI RRAY

TWO ON A BUS

V. Faceteal Dacherge
The front from by Age

For front from the Company

For S. E. front Lundon

RUBY BARLOW and EDWARD

A 14 10

THE SCH AR. OR SCANDAL Rebard Breader Sheed

9.30 10.0. - Programme 8 B / / / / / / /

10.0. The First Reportation

10.15. THE MONOCLES CONCERT PARTY

lo a Varied Repertoure, 11 15 Class down

SATURDAY, February 21st.
The Scala Picture Theatre Orches-

50-6.0. CHILDREN'S CORNER 7 0-12.0 .- Programma S.B. from London.

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We do not believe you can get a much better earth to Eve on then this old rolling globe of ours, but we do know you can get a much better wire less earth for your receiving set by abol shing the inefficient water-pipe or gas-pipe earth and substituting a Climax Radio Earth.

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Plymouth Programme.

5PY 338 M.

Week Beginning Sunday, February 15th.

SUNDAY, February 15th

3.0 3.30. Programms & B. Jeom London 10 45. B N O.C Concept S.B from Liver

MONDAY, February 16th, and WEDNESDAY,
February 18th.

It is 4 30.— Ermset Maranets, and the Orenouse tolayed frage the New Pullade on Dorothy Lancoln ,Sopre GOMEAS TOPICS

HADDENS CORNET

Programme S.R. from Lando

TI ESDAY, Fabruary 17th.

5 Femont Managing and his Orchestra

5 30 WIMEN'S TOPICS

5.30-6.30 -UHILLERONS UCANER

6 C. Eric J. Physica, M.A. (Cantab), Talk

Al. Changa in in the South-Wear of

1 o. 3 1 s. Programma S B. from London

THURSDAY, February 19th, and SATURDAY, February 21st

4 (3 0) Albert Fullbrow, and a Free, as aved from the Royal Royal.

5 10. WOMFA'S TOPICS

5 0.30. UNILL BEN'S CORNER

7 words. Programme S.B. From Levine

FRIDAY, February 20th.

It was persons Mr J J. Judge,
I was persons Made. Mission.
Insertuele. Col. H T Le Mesurer
The Progletions in India

4.7 C. Adhert Polt rock of the Trio, relayed
from The Royal H w

5.5 5.50. WOMEN'S TOPICS
I HITDREN'S CURNER
Westery of Agriculture Fig.

7.50. See A. R. F. Mission Research

An Evening of Short Plays.

Forduced by WILLIAM MACREADY
line denta and her Music by
The STATION TIME
True

Caprice de Rio

DELICATE GROUND

(Charles Dance)

A to a

I se uno Sangleo d

EDNA GODFREY TURNER
OF STREET OF THE STREET

WILLIAM MACREADS Same A Room in Sampfroid a House, Paris

M mong Song to the Be-hrothed" 1 orjant

Long da Masonto - f tress - A DAUGHTI R S CHOI Is

A Dramata has a Con As

Moviescoo Heeta (His Wife)
FDNA GODFREY TURNER
Libon Heeta (Diece Daughter)
LUCY MURRAY

Seene A Room a Hortz a House

Se se Land L. L. Salanosa

9 at 0 0 1 n = m + t m nn THE IRISH DOCTOR

A Wood),

A Farm in One Act

A Wonthny W dow)

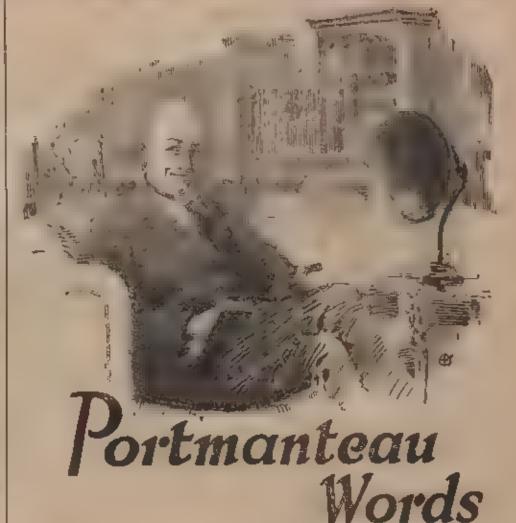
DNA GODFREY TURNER

Wrs. The Mrs. There's th

LUCY MURRAY

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And the Agent Toric . - Offenback J T L PR IVE



I'm afraid I must couless a distinct weakness or Portmanleau W of a surpose on account of their description or a con-consist of a mean enactly what they say and in a rare case such as that of the immortal "Brogia"

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Week Beginning Sunday, February 15th-

SUNDAY, February 15th

3 6-5-30. Proceedings & F. J. and J. alm.

14 B N O.C. Co wort. S.B from Love.

MONDAY, February 16th, to THURSDAY, February 18th II 30-12 30 - Gramophone Records

12.0.—Time Sumal, relayed from the Catoodral-* a + o c Corb - WOMEN'S CORNER

THE CAL PHILD O'N'S CORNER.

Mr Guy A Brown "Modern and a man and and Tree a

7.0 nawards. Programma S.B. from Landon.

FRIDAY, February 20th.

2 4 2 1 4 4 5 r igg s esc f a a I memorial Sa a B a night in WOMEN'S CORNER

WE WILLIAM S COPNER

WE WE Percyal Wost-D, "We had become To ke-The Secure to 5 1 1 Under the Direction of COLLIN SMITH

I A ROBERTS (Contrado

STAINLESS STEELEN

Or ones, ro.
A first ron St. coms No. 5 B. no. 5
Cornenting
Adagro ann Adegro Versen from Sympholy

No. I Lina Roberts
Hindu Song " Kimsky Karenkov
Strida la Vampa " (" H Travatore ")

Cerde

Orchestra Entracte, "Nero"... Coleradge Taylor (1) Internesso, "Cujad in Smikes and Tours"

e-bestraume No 3 The Manual Souffbox ".... Lun
Ena Roberts.

O Mso Fernandu " (" La Favorita")

The Silver Ring " Chammade (6, Orenestra 2nd Movement from Symphome Pathétique

Divertiments Teknikovsky

"Stantes Stephen" B.C. 9.15. Orchastes

9 30 10.0, Programme S B. from Landon, Orchestra.
(Thant Sans Paroles, "Sweet Levender"

| Meditation | Holories | Holories |
| Lost | Gard | Holories | Ho

V Ind. T. a. - Hues 10.35. - Closs nown

SATURDAY, February 21st. 2.30-4.30.-Programme & B. from Manchester. 6.6 5 20 - WOMEN'S CORNER 5 30 0.30. CHILDREN'S CORNER 7.9 12.0,-Programme & B. from London.



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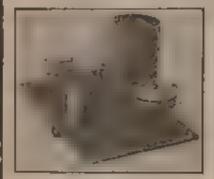


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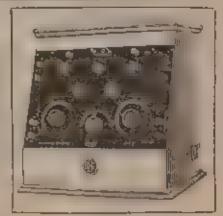
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Uptour testimens a hare accessive esta distince them or less as heard has been entered on he had be an heroward to make this, as a man in the control of the control of

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The ' DLNHAM ' 3-Valve Receiver

Stoke - on - Trent Programme.

6ST 306 M

Week Beginning Sunday, February 15th.

3.0 5.30. Programme S.B. from L. . . 4. 10. Reignous Service

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991 of RNO takes NB alorer proper

MONDAY, February 16th, to WEDNESDAY, February 18th, and SATURDAY, February 21st. 12:30-130. -M d day Concert (17th) 3:30-4:30. The Majestic Cinema Or crass of 6-30 6-46.—Instructions in the Mired Code

(Tuesday).
7.0 onwards. -Programme S.B. from London

THURSDAY, February 19th. 1 :0.1 30 Connection Records of the Week
6.0. CHILDREN'S CORNER
6.0. CHILDREN'S CORNER
6.0. Children Code. 11.0.-Programme S. B. from Land

FRIDAY, February 20th.

3 1 20.—Transmission to Schools Mr. J. R. B.
B. class of St. T.
B. class of Agrandium P. C.
B. class of Agrandium P. V .1 . FORECAST and NE vs

° 46.

Prologue, "Paghacci" Leanaraila
Ordy Baye" Johnson

8.15. Mollie Hackney,
"A Lattle Twinght Song Connectly Clarke
Down Vauxhool Way "Hackert Oliver (8)

8.2 Sin approx , Sum on relayed from the
"IVIL SERVILE". Next SB from

Harry Freeman.

Inchan Lament " Drorak Kreester

Mollie Hackney and James breat

Trot Here and There " (' Veroni per treatment of the control of the

5.30 WEATHER FORECAST and NEWS

WEATHER FORE, and
S.B. from Londo.
one, The MASTER OF SEMPILL, S.B. from Londos.
Local News,
but sol Asher dt
Love Theo "Torem del Rego
Torem del Rego
M. T. Borner
H. Wei Torens del Rergo It ther

Tarantelle in F Minor

the Sweetest Fluwer That Blows 40 10. 10 15. Harry Freeman,

10 and Andrew Harry Freeman,

10 and Harry Harry Harry Solling and

10 and Harry Harry Harry Solling

10 and Harry Freeman,

10 and Harry



T. M. C. No. Za Headphones, 4,000 phose. 19/6



T M. C. No. 3 Lightweight Headphones, 4,000 ohma, 22/6

This Loudspeaker is now supplied with a stand, as shown. There is however, no marging in the price. The resistance is 100 chass

The chase the character in negger-brown, with respect plated terminals, the "TrucMust Munt" is one of the most please, a latitactive on the masket. The usude of the horn is of lacqueted copper, giving a bright and cheery effect—yet it does not need gottdirlog.

Ask to see the "True Music Minor" Isond-

speaker at your favourite Wireless Shop. Its performance will denght you. The "Minor" reproduces all kinds of Broadcasting perfectly. It will do full justice best out of an armed will be to be the most elaborate set, and will get the best out of a small one. All the family can enjoy Broadcast ug lot

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tenu 29 milay, together with your order or the about the wonderful set, which receives all B. C. stayment to the string a accurate raily payment and the sale month a terminate. The sale can up on y 1 9 9, or B you meter 2.4 to cash. Tonyphone Super Two Valves.

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Swansea Programme.

55X 485 M

Week Beginning Fabruary 15th, 1925.

SUNDAY, February 15th

3.1 5.36. Programmes S.B. from Onediff.

9.3-10.45, B.N O.C. Concert. S.B. from

MONDAY, February 16th, and WEDNESDAY, February 18th. 2.0-4.0.—The Centre Cinema Orchestra relayed from the Castle Chienta Masical Director, Jack Arrold

5.15.—WOMEN'S TOPICS

15-0.0.—CHILDR N'S CORNER

7.0 onwarda.—Programme S.B. from Cardiff

TUESDAY, February 17th,
3.0-4.0. Oramophous Records.
18-8.0. CHILL-REN'S CORNER
1-1.0.—Programme S B from London,

THURSDAY, February 19th. 3.0-4.0,—T. D. Jones's Tree 45-6.0,—CHILDREN'S CORNER

7.0- .1.0. Programme S.R. from London FREDAY, February 20th.

** A B from London S. B. from London S B from Long a. TFRCY St HOLES. S.B. from London.

VIFRCY SCHOLES. S.B. from Loaden.
Local New
MERCEDES MARSH (Soprano).
DAVID HARRY (Tenor).
MORGAN LLOYD (Solo Violar).
HARRY PAGE (Boss)
RRY PAGE (Boss)
RRY PAGE (Boss)
RRY PAGE (Boss)
RRY PAGE (Boss)
Come, Let Under the Commodan (Commodan).
THE TAWY.
Local Let Under the Commodan (Commodan).
The The Charth " Letter (2)
The Latter Charth " Readen (2)
The Charter Charter

One Mortang Very Early "... Sanderson (1 I Hear a Thrush at Eve ' ... Cadman (1) "Gipsy Molocies"

"Gipsy Molodies" " " Strasate Oid Engrish Dance " Dale (17)

The Lete Player " Attacen Harloquen " Glos Singers Harles 1" Liver the Control of the Control o

Hurles 1" or Hurry Econo
Liwyn Una " or Hurry Econo
Y Do yn Awn Pugho Econo
A (Thomas.
The Forman " (Butlesque Song) Decine
S 2 * 9.15 (approx).— Species relayed from the
C(VIL SERVICE DINNER. S.E from
London. London.

Mercenes Maral "To Day the Thrush Work Me "... Nestine
"I Roar Your Votes" Farester
Fire Javet Song " (" Faust ") Gines of
All Thomas
Marthe " or " The Henpocked Husband "

0 30. WEATHER FORECAST and NEWS.

S & from London Colonel The MASTER OF SEMIILL. S & from London Lord News.

Loral News.

"Ar Hyd y Nos" arr Harry Ecass
"Loch Lomond De Rells (2
Morgan Lloyd
On Wings of Song" at Mendelssann
" Souvenr" and

- Purn

"On the Remperts" Spintse (2) 1) 30. Close down.

SATURDAY, February 21st. 3.0 4.0.—The Carde Circum Ordento. 1=6.0.—CHILDREN'S CORNER 7 0 12 0 .- Programme S B. from London.

Edinburgh Programme.

(Cantinued from page 363.)

Band. Fantana, "Veyage on a Troops, ap " Maller American Szotoli, "By the Su Rever 3 year w

River Ar hur W. Haves Selections from the Works of Charles

Dickers

Dickers

Manager Country

Dickers

Manager Country

Dickers

Dicke

.0.5. (approx. p

French Land Tring 1 . Clatean

SATURDAY, February 21st.
3 0-4.0. The Station Patrioferts Pro5 0-6.0.—CHILDREN'S CORNER
6 12 0.—Program S.B. from Londo

Leeds-Bradford Programme.

9 30 WE FILE E. F. VS. a d NEWS.

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from London. Local News

10.0. The MAID O'TH INN"

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Evening

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41 R SERT BUTTERWORLD

Damy (the Village Festman)

LACK ALLERTON Tr Watking E. RLACKETT L. Trail Not of to Visco

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11 10 (1 nown

Liverpool Programme.

(Continued from page 360)

(Continued from page 500)

Orchestra.

Narea, 'Hongrose' Anna Broken.

Grebestra.

Marea, 'Hongrose' Anna Broken.

Grebestra.

Strida la Vampa'' ("Il Trovatore') Verd

"O Tender Shadowa" ("Dingrah")

Meyerbere

Magrebore O. Orchestra.

Sel to Bullet " The Two Grennings" and in Schumun.

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----Overture. 4 Oberot .0 45. - Close down.

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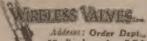
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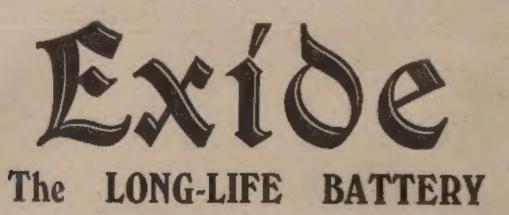
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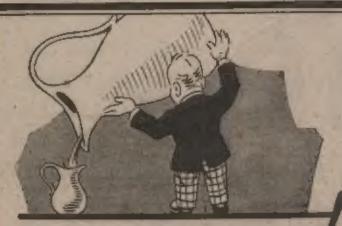
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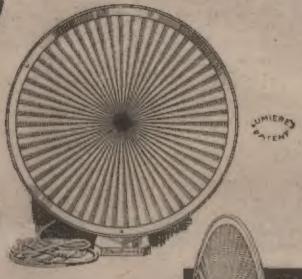
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