

OPERA FROM BRUSSELS: SEE OFFICIAL ARTICLE BELOW.



THE OFFICIAL ORGAN OF THE B.B.C.

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EVERY FRIDAY.

Two Pence.

OFFICIAL PROGRAMMES
OF
THE BRITISH BROADCASTING COMPANY.

For the week commencing SUNDAY, November 30th.

LONDON	CARDIFF
ABERDEEN	GLASGOW
BIRMINGHAM	MANCHESTER
BOURNEMOUTH	NEWCASTLE
BELFAST	

SHEFFIELD (Relay)	PLYMOUTH (Relay)
EDINBURGH (Relay)	LIVERPOOL (Relay)
LEEDS—BRADFORD (Relay)	
HULL (Relay)	NOTTINGHAM (Relay)
STOKE-ON-TRENT (Relay)	
DUNDEE (Relay)	

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PROGRAMMES FOR ALL!

"5XX" HIGH-POWER STATION TO BE PERMANENT.

TWO distinct programmes are now available nightly throughout Great Britain for valve users. This is due to the regular operation of the new high-powered station at Chelmsford ("5XX."), which is working on a wave-length of 1,600 metres. The adaptation of wireless sets to this higher wave-length is, in the majority of cases, a simple matter and will be found well worth while. Early next year the high-powered station will be moved from Chelmsford to a more central position at Daventry, in Northamptonshire. This change in position is unlikely to affect valve reception, but will materially add to the area over which crystal reception will be possible. The B.B.C. attaches great importance to this new service, for not only does it mean an alternative nightly programme of national standard for all valve users, but it places the benefits of broadcasting at the disposal of every home and cottage within at least one hundred miles radius of the new station.

THE success of "5XX" at Chelmsford has provided an opportunity for putting into practice an ideal that has long been nursed by the programme department, and awaited by the listening public—the provision simultaneously of programmes so contrasted as to appeal in some measure to all tastes and temperaments.

The most effective contrasts can only be decided by experience, but some useful data should soon be forthcoming, for two experiments are to be made before the New Year—one on December 15th and the other on December 29th.

On December 15th, Chelmsford will transmit a performance of *Prince Igor*, played at a Brussels Opera House, and relayed by wireless from the Brussels Station. In contrast to this, the London Station will, at the same time, provide an evening of musical excerpts by a light orchestra.

The scheme of contrasted programmes will be developed a stage further in the New Year, when the high-powered station, now at Chelmsford, will broadcast three special programmes weekly. These will contrast with those given by the London Station and (except on Tuesdays) by the majority of provincial stations.

On each Tuesday beginning with the first Tuesday in January, Chelmsford will take a second programme from Savoy Hill. On January 6th, London will broadcast a symphony concert, while the high-powered station will broadcast a ballad concert. As the symphony

concert from London will also be broadcast simultaneously from the provincial stations, there will be alternative programmes throughout Great Britain for the possessors of valve sets.

On each Thursday, beginning with New Year's Day, the high-powered station will broadcast a distinctive programme provided either by some *outside* source within the metropolitan area or in the provinces—such, for instance, as the Hallé Orchestra at the Free Trade Hall in Manchester, or De Groot and his Orchestra at the Piccadilly Hotel, London. This programme will again be made to contrast not only with that from London, but, so far as possible, with most provincial programmes.

On each Saturday, one of the provincial stations will provide the high-powered programme. The first one will come from Bournemouth on Saturday, January 3rd, when light symphony music will be broadcast in contrast to a popular orchestral programme at London, and other equally distinctive programmes in the provinces. In January, other Saturday evening provincial programmes for radiation by the Chelmsford Station will be provided by Cardiff, Birmingham, Manchester and Glasgow. Each will be of a "feature" character.

On Mondays, Wednesdays, Fridays and Sundays, the high-powered station will broadcast the same programme as London, but instead of taking the religious address regularly

(Continued overleaf in column 3.)

A Peep Into Fresh Fields.

By Arthur R. Burrows, Director of Programmes.

THE average listener whose set is deliberately constructed to respond best to signals transmitted within the limits of the British broadcasting wave-band of 300-500 metres has little opportunity for making first-hand acquaintance with other fields of wireless activity outside broadcasting.

If he lives near the coast, he will probably have realized by now how considerable is the traffic conducted by wireless means between ships at sea and the several stations on our coasts and the coastline of France, Belgium, and Holland. These stations work mainly on 600 metres, just outside the highest limit of our wave-band.

The Joys of Exploration.

If we readjust our receivers so as to receive efficiently on higher wave-lengths than those employed for broadcast telephony, we find before us an astonishing field for exploration. Rising to 900 metres, we are almost certain, if listening during the daytime, to hear more telephony—not broadcast music this time, but the voices of airmen soaring above the clouds between Croydon and the capitals of Western Europe. They are probably asking for bearings or giving information upon their whereabouts to the aerial traffic controllers at the termini.

It is quite a fascinating means of whiling away an hour to sit with the receiver tuned to 900 metres and to listen to the various reports on position transmitted to and from our air expresses.

Rising higher in the realm of wave-lengths, there is little of interest to the possessor of a crystal set, if we except the telephony programmes of Chelmsford and, perhaps, Radiola; but the proud possessor of valves and suitable circuits will be constantly striking upon some commercial telegraphy station transmitting Morse on a flutelike note.

The "Everest" of Wireless.

In several cases the Morse characters are being radiated at such a speed that it is impossible to distinguish them aurally, they are being transmitted and received by electro-mechanical means. Some of these, mostly on wave-lengths between 2,000 and 4,000 metres, will be messages passing between the wireless stations of the European capitals, others on higher wave-lengths—say, from 5,000 metres upwards—will be messages in the process of exchange between Europe and America. Some may consist of time signals and weather reports deliberately broadcast telegraphically for the benefit of mariners and others in isolated places. Amongst the stations taking part in these public services is Bordeaux, the "Everest" of wireless, with a wave-length of 23,400 metres.

Radio versus Nature.

This brings me to the fact that wireless is daily expanding its field of usefulness, though mostly in other countries. Whilst the lightships round our coast are gradually being equipped with wireless telephones so as to do away with the heavy repair bills usually associated with shallow-water telephone cables, portable wireless apparatus is not encouraged in this country, and if we except the wireless section of the "flying squad" at Scotland Yard and the several varieties of portable equipment used by the Army, Great Britain cannot claim to be taking an active part in applied telegraphy or telephony.

In America things are different. Fire brigades find wireless of value as a means of keeping in touch with headquarters during a serious outbreak; at least one railroad communicates by wireless means with the officials on its expresses, and one State uses wireless in the survey of its

roads and for the summoning of repair gangs in the event of highways being damaged by wind or flood. One island on the West Coast of the United States is actually linked with the telephonic system of the mainland by wireless means, and it is possible thereby for anyone on the island to indulge in telephonic conversation exactly as one would do on the usual public telephone service.

The March of Progress.

America has also used wirelessly-equipped aeroplanes to great effect for the discovery of forest fires. Many square miles of valuable timber and numerous villages have been saved by early aerial indications of these dreaded conflagrations.

The Canadians have used aeroplanes and wireless not only for surveying purposes, but as an aid to their fisheries. Much time and labour can be saved when it is possible to indicate by aerial reconnaissance the exact whereabouts of the shoals. At a recent meeting of the Canadian Land Surveyors' Association it was stated that radio is revolutionizing exploration and survey work in the Far North and that, whereas, surveyors in the past had to rely upon chronometers for their time and, incidentally, their positions, and were consequently in continual fear lest these chronometers might become erratic or stop altogether, now they carry portable wireless sets with dull-emitter valves and dry batteries and get the correct time at intervals throughout the day from the principal American and European high-power wireless stations.

The Silent Continent.

Wireless has also been employed with success in recent years by the members of International Boundary Commissions, notably those engaged in Anglo-Egyptian Sudan and Equatorial Africa. The French surveyors are believed to have used the wireless method of securing correct time along the whole 1,200 miles of their survey.

As with land surveys, so with the more romantic work of maritime exploration. Every few months some sturdy little vessel sets out for hazardous work in the polar regions. For one of these to leave its home port without wireless equipment is the exception rather than the rule, despite the fact that the work of installation on a small boat relying largely on sails is usually one of difficulty. Not only can such vessels get their bearings at the usual hours for time signals, but they are able to follow the course of events in various parts of the world. I have talked with men who have lived for months amidst the appalling silence of the Antarctic continent, who have been isolated on Spitzbergen and on the wind-swept pastures of the Falklands, and they have each referred to the wireless news bulletins of the world's high-powered stations as the only thing worth living for.

For Lonely Islanders.

How many readers of *The Radio Times* have visited the Faroe Islands, that group of islands lying well north of the Orkneys and Shetlands and about half-way between John o' Groats and Iceland? How many could give off-hand the language of their inhabitants, now numbering something approaching twenty thousand? Yet there reached us through the kind offices of an Aberdonian a few days ago a copy of the principal paper in those islands, printed in Danish, in which considerable space was devoted to an article by a local wireless enthusiast on "How to get Chelmsford." Chelmsford, I can well imagine, represents more to-day to many a Faroe Islander than any other town in the British Isles.

Programmes for All!

(Continued from previous page.)

from the London studio, it may broadcast the most important service or address given at one of the provincial stations.

From the experience gained during the first three months, when three contrasted programmes will be broadcast weekly, it is hoped to secure sufficient data to decide whether or not there should be a further elaboration of this scheme.

This will depend, however, not merely on the success attending the technical and programme developments, but upon the added support given to British broadcasting; for these additional programmes will entail very heavy costs, and the existing revenue of the Company is only just sufficient to meet the present demands. We hope, therefore, that existing listeners will stimulate an interest in broadcasting in others, who, at the present moment, hold aloof; and, furthermore, that those who may be enjoying our programmes whilst indifferent to the financial side of the matter, will take out their licences forthwith.

It is felt that in adopting, even to a limited extent, the principle of alternative programmes, the way is paved not merely for providing classes of entertainment which will please all tastes, but also for giving in each separate transmission something that will, perhaps, be better defined and more artistic in general make-up than has been possible hitherto.

There are some points in connection with the high-powered station on the technical side which the public should appreciate. We cannot do better than indicate the contents of a letter received from one who lives in the north of Scotland. The writer pointed out, in the first place, that, when Chelmsford started, he found that London came through just as well, but that it was quite hopeless for his purpose, as it was so very badly jammed by mush, sparks, atmospherics, and so on. On readjusting his set, however, to meet the conditions of 1,600 metre reception, he found that there was no comparison, either in signal strength or in purity, between "5XX" and "2LO," and "5XX" is now his favourite for all broadcasting. This experience is confirmed in many other quarters.

We do not pretend that technical perfection has yet been reached, for the Chelmsford Station is providing in a few isolated localities problems connected with fading and "night effects." In the West Country, for instance, there are complaints of distortion, but these may disappear with increased experience in reception on the higher wave-length.

We would also warn crystal users now enjoying the Chelmsford programmes that when "5XX" is moved to its new site in the vicinity of Daventry there is bound to be a difference in signal strength; many now living west of Chelmsford will notice an increase in strength, and others in the Eastern Counties a diminution in strength, which may be more than compensated for by the use of one valve.

There will be no actual change in the power of "5XX" on its removal, but some gain in efficiency is expected by the employment of a better aerial and a more reliable system.

Until the Chelmsford Station is moved to Daventry the transmissions should still be regarded as experimental, for the gear is still of an experimental character; but, as the breakdowns are only in the nature of one per cent. of the transmitting time, we feel justified in continuing the service from the temporary quarters.

Official News and Views. GOSSIP ABOUT BROADCASTING.

London's Chamber Music Programme.

THE London programme will be devoted to Chamber Music on Wednesday, December 3rd. The Ladies' String Quartet will give a group of three Idylls by Frank Bridge, one of the best modern English composers, who is particularly successful in his chamber music works. Mr. Bridge is an accomplished viola player, and, in fact, performs upon almost every instrument of the orchestra.

The Quartet will also accompany Mr. Norman Notley, a baritone who has by his recital work built up a big reputation in London musical circles.

Mr. Evelyn Howard Jones will give Beethoven's Sonata Apassionata, Op. 57, in F Minor. This is, next to the Moonlight Sonata, perhaps the most popular of Beethoven's Sonatas. This transmission should be of special interest to teachers and students.

Aberdeen's Scandinavian Night.

The Aberdeen Station is holding a Scandinavian night during the evening of December 2nd. There are many listeners in Scandinavia who receive the Aberdeen Station better than any other B.B.C. station. It is hoped to broadcast the announcements in Norwegian.

Music and the Submarine Cable.

Music is not being relayed to the Belfast Station at present because of the difficulties inherent in transmission over the submarine cable. A commercial cable is designed primarily to carry speech, and many of the higher frequencies of the voice are attenuated or lost in transmission over the cable. This is not serious where speech is concerned, because many of the frequencies can be cut out of the voice while still leaving it intelligible, if not natural. It is different with music, where every frequency, from the highest harmonics of the violin to the lowest note of the 'cello, should be present in the transmission.

Old Pantomime Favourites.

The Bournemouth Station, which has led the way with "Memories Nights," is specialising on Tuesday, December 9th, with "Old Pantomime Favourites." Charles Coburn, Ray Wallace, and Jay Kaye will revive happy memories of the "Eighties and Nineties" to those listeners old enough to recall the "good old days."

Poetry and Music.

A programme of "Poetry and Music" will be broadcast from Bournemouth on Friday, December 12th. Mr. S. Fowler Wright and Miss Madge White-man will be heard in excerpts from Byron's "Manfred," Moore's "Lallah Rookh," and Tennyson's "In Memoriam." The Wireless Orchestra will demonstrate "Poetical Suggestion," through the medium of Schumann's Incidental Music to "Manfred," Sterndale Bennett's "Paradise and the Peri," and Sullivan's overture "In Memoriam."

Mozart at Belfast.

The Belfast Station will broadcast a short Mozart programme on Tuesday, December 2nd. Miss Minnie Hanna will sing some of the best-known Arias from the Operas. The Orchestral work will include the Concerto in A minor for clarinet and orchestra, with Mr. E. J. Harris in the solo part, and the amusing Minuet in D for strings and two horns.

Broadcasting Handel's "Messiah."

The Belfast Philharmonic Society's third concert this season will be relayed from the Ulster Hall on Friday, December 12th. Handel's *Messiah* will be performed with a distinguished quartet of soloists.

Grand Opera in Miniature.

An abridged version of *Rigoletto*, Verdi's grand opera, is being broadcast on December 6th, from the Aberdeen Station. The conductor will be Mr. Arthur Collingwoode, F.R.C.O. Grand Operas in miniature are very popular with Northern listeners, and one will be broadcast every fortnight.

An Old-Fashioned Night.

At the Edinburgh Station the chief feature of next week will be the programme to be broadcast on Friday, December 12th. It will be an "Old-Fashioned Night," and songs and recitations reminiscent of the Early Victorian period will be broadcast. The same evening an amusing Scottish comedy by a local authoress, Miss Ella Boswell, will be performed.

Famous Russian Composers.

A Russian Composers' Evening will be given at the Dundee Station on December 12th. The Hartley Quartet will give selections from the works of Tchaikovsky, Rubinstein, and other Russians. The suite, Spanish Dances, by Moszkowsky, will also be performed. Mr. William Hartley, solo violin, will play selections from Rimsky-Korsakov (arranged by Kreisler), and Wieniawsky. Mr. Fletcher Parry's repertoire will include "The Dreary Steppe" (Grechaninov), and "Song of Mephistopheles" (Rimsky-Korsakov.) The songs to be sung by Miss Gretta Don will include "Berceuse" (Arensky) and "Parting" (Ippolitov-Ivanov).

International Symphony Concerts.



M. FIERRE MONTEUX.

The orchestra—numbering about one hundred players—at the first of the new series of International Symphony Concerts, organised by the B.B.C., will be conducted by M. Pierre Monteux, one of the most distinguished of French musicians. He has filled many important posts since 1911, when he was engaged as conductor of the Russian

Ballet. In this capacity he conducted in London, Paris, Berlin, Vienna and Budapest until the outbreak of war. During the war he served as a private soldier, but in 1915 he was released to go to America as conductor of the Russian Ballet. He then toured America, and after a period as conductor at the Metropolitan Opera House, New York, he was appointed conductor of the Boston Symphony Orchestra, a position which he held from 1919 until the end of last season.

Celebrated Conductors.

The First Symphony Concert of this series will be given at the Royal Opera House, Covent Garden, on December 10th. It will be made additionally interesting by the appearance of Miss Beatrice Harrison, the famous 'cellist. Seats for this concert can now be booked at the box office of the Opera House.

The second of the series will be given on January 15th, when the conductor will be the famous Swiss, Mr. Ernest Onsermet, and the soloist will be Mr. Albert Sammons.

Mr. Bruno Walter, who will conduct the third concert of the series, on February 12th, and who made such a success of the last German Opera Season at Covent Garden, is one of the most distinguished of German conductors.

Two Important Talks.

Professor H. J. C. Grierson, LL.D., Litt D., Professor of English Literature at the University of Edinburgh, will give a talk on "The First Novel," on Thursday, December 11th. This will be S.B. from the Edinburgh Station to Glasgow and Aberdeen. On Friday, December 12th, at 8 p.m., Miss Rosaline Masson will give a talk on "Old Edinburgh," on which she is well qualified to speak about, for she is the authoress of several books on the subject.

For Lovers of Dickens.

Sir Alfred Robbins, the distinguished journalist, will give a lecture on "Dickens's America and To-Day," under the auspices of the English Speaking Union, at 8 p.m. on December 16th, at the London Station.

For French Students.

Mons. E. M. Stephan will read "La Mort du Loup," by Alfred de Vigny, at the London Station on December 11th.



Voice of Uncle: "Hallo, Chicks!"
Irritated Listener: "Confound it! Another talk on poultry!"

Drawn by Bert Thomas.

The Songs I Like to Sing.

By Gladys Palmer, the Contralto.



MISS GLADYS PALMER

THE "shut-in" feeling appeals to me. I sometimes think I sing my best when I am practising at home, when no one is listening, or, if anyone is, it may be only to wish I would give my voice a long rest! Similarly, anyone who has been on the stage knows that the "glare of the footlights" is just as effectual in shutting your audience from sight as the blaze of an approaching car's headlights in concealing the road behind them.

To me, at least, this "shut-in" feeling on the stage is very helpful. I think that anything that tends to break an artistic illusion is to be deprecated. That is why I dislike "calls," after the curtain has once come down—at least, between scenes and acts. It is a deliberate attempt to undo what one has been striving, heart and soul, to do—namely, so to present a part that it is as real to an audience as it is to oneself, and that can only come to pass by utter forgetfulness of self.

To say that this never happens on the public platform is only to speak a dreadful truth. Nobody unused to appearances of this kind can realize the horror of that terrible moment, big as years, when one has to walk on to a platform, face one's audience, and realize the fact that a sound of some sort has to be made to keep that crowd quiet. It is one of those indescribable moments which belong to the region of nightmare, and one realizes only too well the presence of that painful self-consciousness which often mars the performance of the most experienced artists.

The Happiness of Broadcasting.

Thus it follows, quite logically, that in broadcasting effort is stimulated by the absence of these sensations. I think that is why cinema acting is often so extraordinarily good. The actors have no audience visible, and they also know that the inexorable camera is recording their slightest action, their briefest glance, their least change of countenance or position.

Broadcasting has the same effect on me. I feel I have to put both tone and personality into my singing. I dare leave nothing to chance. That microphone will record blemishes as faithfully as excellences. This keeps one up to a high pitch of artistic endeavour. But the real result of all this is that I forget that there is anyone listening to me outside the studio, and this loss of self-consciousness is, for me at least, all to the good.

Therefore, I can say truthfully that broadcasting is, to me, almost the happiest method of expressing my feelings in song, always excepting opera, and there one is always somebody else, so it doesn't matter.

Dressing the Part.

My happiest evenings in the B.B.C. studio are those on which a "production" is broadcast, and, if I am to choose a favourite "radio song," I think I must just stop at that. That is where my preference falls. For one thing, I find it highly diverting. It is fun—and when your work is fun, it has reached its highest development. You just love it, and, loving it, you make the very best of it.

It is so much easier to hold a character when there is dialogue to help it. Even when one is not actually on the stage, the feeling of being

on the stage puts a great deal of colour into one's voice, and an occasional gesture at once gets a different inflection. I believe, too, that it would be extraordinarily helpful if one could dress one's part.

For the rest, I can only say that a broad, sustained song of a dramatic type is certainly easier to "get over" than a quick staccato one, the words, of course, being the difficulty. They are so very important in broadcasting.

I like singing all the classics, English, French, Italian, German, and I have an equal fondness for modern English songs, Quilter, Bridge, Ireland, and the rest of a noble and talented band. Luckily, I have a wide compass, so am equally happy singing light comedy, or "grand" opera and oratorios, in either mezzo or contralto solos.

Finally, it is a real happiness to think and feel that joy can be broadcast, that I—singing, as it were, to myself—can sing at the same time to uncounted multitudes, that by my feeble voice I can reach the bedside of some sufferer perhaps hundreds of miles away, and bring a ray of sunshine into some darkened life. Art for art's sake may be very well, but art for love's sake is better.

(Miss Palmer is singing in "The Rose of Persia" on Thursday.)

From All Stations.

Facts and Figures About Radio.

THE Hull Corporation requires all owners of aerials crossing public roads to pay a fee of a shilling a year.

An airship, specially constructed for voyages to India and Australia, is shortly to be built in this country. The airship, which will be the biggest in the world, is to have two dance halls in which passengers will be able to dance to the strains of music provided by radio loud-speakers.

A fund to provide every needy blind person in America with a receiving set has been opened in the U.S. The appeal was inaugurated by a broadcast message from Miss Helen Keller, who is herself blind and deaf. Miss Keller was once dumb but taught herself to speak. She can hear radio music by touching the diaphragm of the receiver.

Wireless signals sent out from the New York Radio Exhibition circled the world eastward in five seconds, and westward in six seconds. A cable takes about eighty seconds to go round the world.

A miniature sensation was caused during the recent American elections by a radio singer who concluded her song with the words: "Good night, and don't forget to vote for Davis." She was reported to the authorities, who are as anxious to keep broadcasting impartial as the authorities in Britain. The singer was threatened with exclusion from all future engagements. Finally she apologized and the matter dropped.

The Pittsburgh broadcasting station, KDKA, has been heard within eleven degrees of the North Pole, by the Canadian Government ship, *Arctic*.

The recent talk on ancient war medals led to a listener successfully claiming from the War Office two medals awarded to two of his uncles who fought in the Crimean War. They had been unclaimed for seventy years.

Chelmsford is being picked up in India on a home-made three-valve set. The owner of the set an English engineer living in Bombay, states that he receives the English programmes daily.

"The Rose of Persia"

Plot of an Eastern Opera.

"The Rose of Persia" will be relayed from London on Thursday, December 4th, and S.B. to Bournemouth, Cardiff, Newcastle, and Aberdeen.

HASSAN is sitting in his garden. His wives surround him, singing. (Chorus.) HASSAN sings the song of his five-and-twenty wives ("I'm Abul Hassan"). He musters them and finds a twenty-sixth, who is given a month's notice in lieu of divorce.

ABDULLAH the Priest comes to remonstrate with Hassan for his slackness in religious matters. (Song: "When Islam First Arose.")

YUSSUF, the Story-Teller, has met a beautiful girl, whom he takes to be a dancing-girl, in the street with three others. (It is, in fact, the Sultana herself with three of her women.)

ABDULLAH enters with police. While he is reading the royal authority for his intrusion, HASSAN has bribed the officers. The Sultana and the three slaves are stealthily leaving the house with YUSSUF just as ABDULLAH finishes his Proclamation, and he orders their arrest. HEART'S DESIRE declares it is the Sultana he has arrested.

HEART'S DESIRE slips away to see if the coast is clear for getting back to the palace. HASSAN offers them "bhang," which he recommends as more potent than opium. HEART'S DESIRE has met the SULTAN and his officials on the way hither. They are dressed as dervishes.

HASSAN enters intoxicated with the drug. He declares himself to be the Sultan and that the SULTANA is in his house. The SULTAN tells them to accept the story and bring HASSAN in state to the palace. The officials have returned in their Court costumes, and HASSAN is lifted into the royal litter.

HEART'S DESIRE is discovered in the Audience Hall of the Sultan's palace. (Song: "Oh, What is Love?") The Court assembles (Chorus) and the Sultan makes his ceremonial entry. It is explained to ROSE-IN-BLOOM that another lady is calling herself Sultana, as part of a joke the Sultan is playing on HASSAN.

HASSAN is brought in still unconscious; he begins to wake up. When the Divan is opened, the first suppliant is YUSSUF. He asks for the royal slave, HEART'S DESIRE, as his wife. Whilst on the subject of wives, HASSAN learns that he has 671 in the harem. ABDULLAH enters and states that ROSE-IN-BLOOM visited HASSAN'S house the previous night. The SULTAN furiously orders HASSAN'S death and the SULTANA'S marriage to YUSSUF, instead of the slave's.

ROSE-IN-BLOOM enters for the ceremony of her divorce and disgrace. She hears, however, that HASSAN'S wife is claiming to be Sultana.

The EXECUTIONER arrives to make the Proclamation to those concerned. DANCING SUNBEAM, the "Sultana," is pronounced divorced, disgraced, and married to YUSSUF. (Recit. and Quartet: "What Does It Mean?")

People rush in to stop the wedding, the Sultan having relented. HEART'S DESIRE confesses it was she who was at HASSAN'S house wearing her mistress's signet. ABDULLAH is condemned. HASSAN and HEART'S DESIRE are not pardoned until ROSE-IN-BLOOM pleads for a postponement until the slave has finished telling her a story she has begun. HASSAN says that he is the real author; that it was for the purpose of telling it to the slave that she visited his house, so he must be spared if the tale is to continue. It only remains for somebody to think of one. It is YUSSUF who saves the situation (Septet and Chorus: Song and Finale) and straightens out the tangle.

Pieces in the Programmes.

A Weekly Feature Conducted by Percy A. Scholes.

A LIVERPOOL COMPOSERS' NIGHT.

(LIVERPOOL STATION, FRIDAY.)

SUTTON'S CONCERT OVERTURE.

THE construction of this piece is clear and Mozartian, and is easily grasped.

There is a brief Introduction, then two Main Tunes are announced, "developed," and, finally, "recapitulated."

The piece ends with a "Coda," or short closing section, founded upon the Introduction.

MILLER'S PIANO CONCERTO.

This piece is written in three Movements. The last two, which are continuous, have been played at the Royal College of Music, London.

I.

(Moderately Quick.) The First Movement begins with soft chords on the BRASS, a drum-roll, and a "CALL," softly given out by TRUMPETS.

Then the PIANO is heard, in a little group of notes which is afterwards found to be the nucleus of the First Main Tune. STRINGS immediately enter, and gradually a climax is built up, at the summit of which—

The FIRST MAIN TUNE is fully stated by STRINGS and PIANO. For a time it is developed, then the CALL is heard, succeeded by loud chords in the FULL ORCHESTRA.

This quickly subsides, then a little phrase, later found to be of some importance, is heard in UPPER WOODWIND and SOLO STRINGS.

This leads to the SECOND MAIN TUNE (Rather Slow), played mainly as a PIANO SOLO. It suggests a folk-song.

The rest of this Movement consists of elaborate treatment of this material, the Call being especially prominent.

II.—AIR.

(Moving Steadily.) Note that in this Movement the Strings are muted throughout.

For a while a little phrase is quietly discussed in dialogue between OBOE and CLARINET, with a soft accompaniment of Strings.

After a pause, the PIANO enters with a reiterated, harp-like figure. With this the AIR is played by a SOLO HORN, Strings sustaining.

The rest needs no description.

Shortly after a climax, a soft, low chord on VIOLA and 'CELLOS leads straight into—

III.

(Quick.) The Finale is very straightforward.

STRING BASSES start a *pizzicato* (plucked) octave figure, over which FLUTE and CLARINET play the dance-like FIRST MAIN TUNE of the Movement. This persists for a long time.

With a slowing-down (to *Rather slow; Tranquil*), the song-like SECOND MAIN TUNE is given out, divided between STRINGS and high PIANO octaves (Woodwind occasionally joining in).

Starting with SOLO PIANO a long development of the First Main Tune follows, and is in turn followed by the Recapitulation of both Tunes.

In a brief, but brilliant Coda, the "CALL" from the First Movement is heard again, bringing the work to an end.

ROMANCE, BY GORDON STUTELY.

This is a short romantic piece for Violin and Orchestra and will be readily followed without description. It is dedicated to the late A. E. Rodewald, well known in Liverpool for his admirable musical activities there.

MORRISON'S "THE JOY OF LIFE."

This is a three-movement piece.

I.—SYMPHONIC DANCE.

Note the three Main Tunes out of which the music is constructed. The FIRST MAIN

TUNE is that with which the piece opens. The SECOND is the CLARINET melody, given with a soft accompaniment of Strings and Horn. The THIRD is the OBOE melody, which enters to a very soft accompaniment of strings.

II.—INTERMEZZO.

There are three distinct sections.

The FIRST SECTION opens with a Tune on CLARINETS and VIOLINS.

The SECOND SECTION opens with a broad singing tune (*a little quicker*) in STRINGS.

The THIRD SECTION is practically a repetition of the First, but a touch of the Second comes into it also.

III.—FINALE.

The piece grows out of two Main Tunes;—

After a bar or two of Introduction, the FIRST MAIN TUNE enters vigorously in the FULL ORCHESTRA.

The SECOND MAIN TUNE will be easily recognized when it appears, as it is given to BRASS alone. Almost immediately the First Main Tune (in VIOLAS and CLARINETS) joins in.

If the two Main Tunes are grasped, what is made out of them will be pretty clearly followed.

NICHOLL'S "THE OPEN ROAD."

This *Suite for Orchestra* is prefaced with the following quotation from Walt Whitman:—

Afoot and light-hearted I take to the open road,

Healthy, free, the world before me,

The long brown path before me leading wherever I choose.

There are three distinct and detached Movements.

I.—THE JOY OF THE OPEN ROAD.

(Moderately quick, joyously.) The FIRST MAIN TUNE starts immediately. It is treated at some length, always fairly loudly, until, with a softer passage, the rhythm of the Second Main Tune creeps in, in an anticipatory way, in the upper Woodwind.

After a pause the SECOND MAIN TUNE itself is fully announced by the STRINGS.

It is eventually succeeded by the Development, and finally, Recapitulation of the Main Tunes, in a somewhat free treatment.

II.—A WATER SCENE.

(Rhythmic, graceful. Not too slow.) In this Movement the Strings are muted. It is in a three-section form ("a-b-a"). The FIRST SECTION is chiefly made out of the Tune with which CLARINETS open.

The quicker MIDDLE SECTION (ushered in by soft Woodwind chords) is entirely built on a smooth Tune announced by VIOLAS.

Eventually the FIRST SECTION is repeated, slightly condensed.

III.—RUSTIC REVELS.

(With mirthful animation.) This is really a country dance. It is, like the last Movement, in a three-section form. The FIRST SECTION is made out of two phrases—one, in little jerky fragments played by VIOLINS, the other, more continuous and played by VIOLAS. These are reiterated and developed at great length.

The First Section ends with a loud climax, followed by a pause.

The MIDDLE SECTION (*Rather slowly. Plaintively*) opens with a long, high note on the BASSOON. Then very slightly accompanied by a few strings, the OBOE plays the chief Tune of the Section.

The FIRST SECTION is then repeated, considerably modified, but there is no fresh material introduced, and the Movement proceeds gaily to its end.

(I much regret that there is no space for particulars of the Composers, but hope that these may be briefly announced on the night.)

Listeners' Letters.

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

Crystal Sets and the New High-Power Station.

DEAR SIR,—In Suffolk the people are hesitating to buy wireless crystal sets because of the removal or closing down of the Chelmsford high-power station. The majority of them cannot afford valve sets, and it would relieve them to know that a crystal set will be of use when Chelmsford is shut down.

We are mostly farm labourers, and have paid our licence, so we would be obliged if you would let us know whether we are to lose this new kind of education and pleasure because of lack of funds.

Yours, etc.,

Kirton, near Ipswich.

H. D. F.

[The High-Power Station should still be audible on a crystal set in Suffolk after its removal to Northamptonshire.]

A Word to Speakers.

DEAR SIR,—May I suggest that all speakers should constantly be warned to speak up all the time and keep close to the microphone, otherwise they will not be heard easily. Many clergy and lecturers with high-pitched voices do not put sufficient power into their voices, and may I be forgiven if I whisper that sometimes our excellent announcers seem to be far away or, perhaps, slightly weary of repeating bulletins!

Many of my friends and myself have noticed how far away speakers' voices seem to be of late.

Yours, etc.,

London, S.W.

C. A. J. P.

[The impression we gain from this letter is that the writer's set or aerial is inefficient; his experience is so much at variance with that of the majority of our correspondents.]

Balance in Broadcasting.

DEAR SIR,—It seems to me that improvement is wanted in the broadcasting of solo vocalists.

During a song it is very difficult to realize good balance between singer and accompanist (this does not apply to orchestral accompaniment), the piano sounding almost inaudible, which, presumably, is due to the fact that the vocalist sings more or less directly into the microphone, while the piano stands some distance away.

Yours, etc.,

Norwich.

G. H. J. T.

[We imagine that there are other opinions on this matter. Actually vocalists when broadcasting are from 12ft. to 15ft. from the microphone, and the piano 25ft.]

A Listeners' Ballot?

DEAR SIR,—As there is no doubt that the B.B.C. honestly desire to cater for all tastes, and that their catering should bear a relation to the bona-fide desire of the majority, I suggest that a serious attempt should be made to ascertain by a reliable test, in the form of a ballot, exactly the type of programme listeners desire.

My suggestion is that a form of ballot should be printed in *The Radio Times* on a notified date (such date to be announced from all B.B.C. stations), and that the result of such ballot should be used as the basis for the preparation of all the B.B.C. programmes for the ensuing year.

Yours, etc.,

Bournemouth.

R. A. N.

[Whilst the above suggestion is appreciated, the ordinary heavy correspondence of the B.B.C. serves the purpose indicated. If otherwise, listeners themselves can remedy the position by writing still further regarding their tastes and requirements.]

(Continued on the facing page.)

Listeners' Letters

(Continued from the previous page.)

A Plea for More Classical Music.

DEAR SIR,—While I realize that I have no special claim to dictate the broadcast programmes, I should like to make one or two suggestions.

First, on the general question of classics versus the rest, do you not think that a rather larger proportion of the former would be, at least, tolerated? In addition to the usual standard works, more lieder in German (some of the translations are distressing), and more Purcell, Byrd, etc., would be appreciated.

Secondly, if it proves possible, as has been suggested, to run "2LO" in duplicate, I hope the two stations may give respectively a high-brow and a low-brow programme. This would take away a very large number of grievances, and would be in line with the policy of other organizers of musical programmes, who do not generally mix their composers.

Thirdly, if it is necessary to dilute the chamber-music evening, which is, to many of us, the best in the week, perhaps Mr. Scholes could suggest some diluent which would be acceptable both to low- and to high-brows, and so save the excessive wear which the rapid extraction of the telephone plug causes to the attached flex.

Yours, etc.,

Teddington.

R. G. J. S.

Belfast Mixed With Glasgow.

DEAR SIR,—I am the owner of a crystal set, and being situated in South Ayrshire, I am absolutely dependent on the Glasgow Station. I was getting fairly good results until the Belfast Station opened; but since then, I get both Glasgow and Belfast together and everything is in such a mix up that there is no pleasure in putting on the 'phones.

I have tried everything I can think of, but up to the present, I have been unable to cut out one of the stations. Could not something be done to change the wave-lengths?

I am one of a good many in this district whose position only allows the humble crystal, and I think it is up to the B.B.C. to make an effort to have the present state of things altered.

Yours, etc.,

Ayrshire.

"LIVE WIRE."

[There is undoubtedly a difficulty in separating Glasgow and Belfast, and application has already been made for permission to increase the wave-length of Belfast. Pending an answer to this, however, 15 metres is a sufficient difference to enable a really selective set to cut out one station in favour of another.]

Long Distance Chelmsford Results.

DEAR SIR,—I am a wireless operator, and an experimenter, and perhaps you will be interested in the results I obtained with a two valve set, being H.F. and detector.

I have been testing especially on the new Chelmsford Station, and I must say, at a long distance, 5XX is much more powerful than the French stations, "Radiola" on 1,780 m. and "Eiffel Tower" on 2,600 m. We made the voyage from Amsterdam to Archangel, and when leaving Amsterdam I received Chelmsford on a small loud speaker.

This lasted until we reached the Danish coast, and after that the 'phone strength was very good.

When entering the Norwegian fiords, I lost Chelmsford completely, but as soon as we passed the North Cape, it came in again with fair 'phone strength. In the Arctic, however, the strength decreased very quickly, and in the White Sea I could not get it at all.

Further, I never heard the hum of the generator of 5XX.

Yours, etc.,

G. F. V.

PEOPLE IN THE PROGRAMMES.

Radio to the Rescue.



Mrs. KENDAL.

MRS. KENDAL once said that, to succeed on the stage, a woman must have the epidermis of a rhinoceros, the strength of a man, and the feelings of a graven image. She might have added that to retire from the stage requires the pluck of a V.C., the wisdom of a Solon and the resolution of an arctic explorer.

Mrs. Kendal succeeded, Mrs. Kendal retired, leaving the older generation to hug its memories and the younger generation to sigh, "If only!" But now the radio has come to the rescue. On Wednesday, December 3rd, the G.O.L. will take part in the broadcasting of *Granny's Juliet*.

Apparently she is of opinion that, unlike little boys, veteran actresses should be heard, not seen.

The Tree Trio.

ANOTHER famous actress who will be heard in *Granny's Juliet* is Lady Tree, one of the wittiest actresses on the stage.

Whether Viola derived her wit from Lady Tree or Sir Herbert has always been a bone of family contention. But clearly both parents may claim a share in one of Viola's most brilliant sallies, when she remarked:

"It takes father far less time to make himself ugly than it takes mother to make herself beautiful."

Daughters will be daughters.

A Singer of Modern Songs.



Miss ASTRA DESMOND.

A VOCALIST who is becoming increasingly popular with listeners is Miss Astra Desmond, who is to sing at Cardiff on November 30th. Miss Desmond studied under Mme. Blanche Marchesi, and made her debut in London in 1916. For some time she was a member of the Royal Carl Rosa Opera Com-

pany, as principal contralto, singing the rôles of Carmen, Azucena in *Il Trovatore*, and Amieris in *Aida*, etc.

Miss Desmond is especially interested in modern music, and she has given several recitals of the works of present-day composers.

Patients In Pickle.

PUBLICITY is not one of the gods of Sir George Newman. He is concerned with getting on with his job as Chief Medical Officer of the Ministry of Health. On Public Health he will talk morning, noon and night. He will broadcast his views on the subject from London on Friday, December 5th.

It is possible that he knows two good stories. But only one has ever got into print. A doctor told a hard-pressed farmer that his daughter needed toning up.

"Send her," said the doctor, "to the seaside and give her salt-water baths."

The farmer scratched his head. "Deed, doctor," he replied, "in these hard times wad a good stiff pickle at hame no dae?"

Which suggests that if Sir George does know another story, it is probably a good one.

Should We Sing More?

MISS GERTRUDE JOHNSON, who started a tour of all the B.B.C. stations on November 18th, has just returned from Italy, where she was much impressed by the way the Italians go singing snatches of opera through the streets in the quiet of the evening.



Miss GERTRUDE JOHNSON.

In this country, if any body sings in the streets, it is pretty safe to put the songster down as a mendicant or one who has wined not wisely, but too well. We do not serenade for the pure love of song.

In Italy, they have an expressive and characteristic adjective. When they wish to speak of anything in terms of the highest praise, they exclaim that it is *incantabile* — "unsingable." Over here we say that it is "unspeakably beautiful" or "beyond words."

And there you have the difference between the sober North and the warm, sparkling, emotional, impulsive South.

No Ghost!

THE BISHOP OF WINCHESTER, who will deliver a religious address from Bournemouth on Sunday, November 30th, holds that the old greed and selfishness have reasserted themselves since the war, and that the world is in an invalid state. He is a forceful personality.

His constitution is amazing. Not long ago he walked over a hundred miles through country lanes and byways to visit outlying districts in his diocese. There are six-feet-six of him. As an old grave-digger in a country church once said: "I don't know whether he's the new bishop or not, but he ain't no ghost."

Miss Shakespeare.

IT would not be far out to call Miss Lilian Baylis the greatest of the Old Victorians. She is one of the few people who have done more for Shakespeare than Shakespeare has done for her. A workman at the Old Vic., pointing to a picture of Shakespeare, once declared that it was "Miss Baylis's old dad!" In a way he was right.

Miss Baylis is to speak on "The Art of Living" from London on Wednesday, December 3rd.

Broadcatchers' Who's Who.



Mr. F. E. DOBIE.

F. E. DOBIE, Principal bass, Glasgow Cathedral. Conductor Cambuslang Choral Society, 1916-22. Choirmaster John St. F.U. Church, 1922-4. Gold medallist, City Hall, Glasgow, 1922. Broadcasts from Glasgow.

GEORGE A. INNES. Singing master under Aberdeen Education Authority; organist and Choirmaster, Greyfriars' Parish Church. His choirs have gained thirty-three first prizes.

MUIR MATHESON. Conductor, pianist and composer. Broadcasts from "5SC" on Saturdays in the Children's Corner.

ADELIN SENIOR. Bournemouth Station. Bournemouth Winter Garden favourite. Musical comedy favourite. Comic Opera favourite. Radio favourite. "OYEZ."

WIRELESS PROGRAMME—SUNDAY (Nov. 30th.)

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

2LO LONDON. 365 M.

- Wagner—Tchaikovsky.**
BEATRICE MIRANDA (Soprano).
CEDRIC SHARPE (Solo Violoncello).
JOSEPH FARRINGTON (Bass-Baritone).
CHARLES LEGGETT (Solo Cornet).
THE WIRELESS SYMPHONY ORCHESTRA.
 Conducted by **DAN GODFREY, Junr.**
- 3.0. The Orchestra.
 Overture, "Tannhäuser" *Wagner*
 Waltz from "The Sleeping Beauty" *Tchaikovsky*
 Joseph Farrington with Orchestra.
 Wotan's Farewell and the Fire Music ("The Valkyrie") *Wagner*
- 3.30. The Orchestra.
 "Chanson Triste" } *Tchaikovsky*
 "Chant sans Paroles" }
 "Dreams" } *Wagner*
 (Solo Violin, S. KNEALE-KELLEY.)
 Cedric Sharpe with Orchestra.
 Variations on a Theme Rocco for Violoncello and Orchestra. *Tchaikovsky*
- 4.0. The Orchestra.
 Introduction to Act III, "Lohengrin" *Wagner*
 Cornet Solo.
 "None but the Weary Heart" *Tchaikovsky*
- 4.35. **Beatrice Miranda** with Orchestra.
 Closing Scene, "The Dusk of the Gods" *Wagner*
 The Orchestra.
 Five-Four Movement and Scherzo from "Symphonie Pathétique" *Tchaikovsky*
- 5.0-5.30.—**CHILDREN'S SERVICE:** Conducted by the Rev. C. S. WOODWARD. Relayed from St. Peter's Church, Cranley Gardens. *S.B. to all Stations.*
- St. Andrew's Night.**
- 8.30. The London Scottish Choir.
 "Stracathro" ("O For a Closer Walk With God") *Charles Hutchinson*
Miss Marjorie Gullan: 1st Corinthians, Chap. 13.
 The Rev. **ARCHIBALD FLEMING, D.D.,** of St. Coloma's (Church of Scotland), Pont Street, W.: Address.
 The Choir.
 "Orlington" ("O God of Bethel") *John Campbell (1807-1860)*
- Miss MARJORIE GULLAN**
AND HER VERSE-SPEAKING CHOIR.
THE LONDON SCOTTISH CHOIR:
 Conductor, J. D. M. HODGE.
 Pipers from H.M. SCOTS GUARDS
 Under Pipe-Major **ANDREW MCINTOSH.**
ISOBEL SHAW (Mezzo-Soprano).
S.B. to other Stations.
- 9.0. The Pipers.
 March, "The Seventy-Fourth Farewell to Edinburgh."
 Strathspey, "Arniston Castle."
 Reel, "The Rejected Suitor."
 March, "The Valley of the Somme."
Miss Marjorie Gullan and her Choir.
 Psalms 126, 107 and 136 (the two last with Refrains in Unison).
 The London Scottish Choir.
 "The March of the Cameron Men" *arr. Bantock (11)*
 "Logie Kirk" *K. G. Finlay (25)*
 "Annie Laurie" *arr. J. B. Shaw*
- 9.30. **Isobel Shaw.**
 "Twas Within a Mile o' Edinbro' Toon" } *arr. Clutsum*
 "John Anderson, My Jo" }
 "The News from Moidart" *arr. Moffatt*
Miss Marjorie Gullan and her Choir.
 An English Ballad (with Refrains in Unison).
 A Scottish Ballad (spoken Antiphonally).
 An Irish Ballad (with Refrains in Unison).
 The Pipers.
 March, "The Stirlingshire Militia."

- Strathspey, "Maggie Cameron."
 Reel, "Duntroon."
 March, "The Heroes of Vittoria."
 10.0.—**TIME SIGNAL FROM GREENWICH.**
WEATHER FORECAST and **GENERAL NEWS BULLETIN.** *S.B. to all Stations.*
 Local News.
- 10.15. The London Scottish Choir.
 "Caller Herrin'" *W. Hume (34)*
 "An Eriskey Love-lilt" *arr. H. S. Robertson (2)*
 "A Man's a Man for A' That" *arr. Mansfield (25)*
 Isobel Shaw.
 "A Highland Lad" *arr. Moffatt*
 "My Heart is Sair for Somebody" *arr. Michael Diack (34)*
 "O, Charlie is My Darling" *arr. Moffatt*
 The Pipers.
 Lament, "Lord Lovat's Lament."
 Lament, "The Flowers of the Forest."
 10.40.—Close down.

5IT BIRMINGHAM. 475 M.

- 3.0-5.0. **THE STATION WIND QUINTET:**
W. HEARD (Flute),
G. E. CLARKE (Oboe),
S. C. COTTERILL (Clarinet),
W. A. CLARKE (Bassoon),
W. S. YORKE (French Horn),
NIGEL DALLAWAY (Pianoforte).
ISABEL TEBBS (Soprano).
ERNEST SMITH (Tenor).
 Wind Quintet.
 Overture to a French Comedy ... *Keler Bela*
 Sextet and Finale from "Lucia di Lammermoor" *Donizetti*
 Tenor Songs.
 Three English Lyrics *Wilkinson-Stephenson (1)*
 (1) "I Dare Not Ask a Kiss."
 (2) "Music When Soft Voices Die."
 (3) "Love's Omnipresence."
 Wind Quintet.
 Descriptive Piece, "The Sewing Machine" *Bray*
 Soprano Songs.
 "A Song of May" *Bath*
 "At Dawning" *Cadman (1)*
 "Where the Chestnuts Bloom" *Newton*
 Wind Quintet.
 "Flower Suite" *Zamecnik*
 Duets.
 "Come to Arcady" *German*
 "Dear Love of Mine" *Goring Thomas (1)*
 Wind Quintet.
 "Under the Limes" *Massenet*
 Tenor Songs.
 Negro Spirituals.
 "Go Down, Moses" } *arr. Burleigh*
 "I Stood on the Ribber of Jordan" }
 "Oh, Didn't it Rain?" }
 Wind Quintet.
 Slavonic Rhapsody *Friedman*
 Soprano Songs.
 "She Wandered Down the Mountain Side" *Cloy (1)*
 "Spring's Awakening" *Sanderson (1)*
 Wind Quintet.
 Praeludium *Jarnefelt*
- 5.0-5.30.—**CHILDREN'S SERVICE.** *S.B. from London.*
- 8.30-9.0.—The Rt. Rev. The Lord Bishop of WINCHESTER. *S.B. from Bournemouth.*
- 9.0. **St. Andrew's Day.**
JANET MACFARLANE (Soprano).
HAROLD HOWES (Baritone).
 In a Recital of Scotch Songs.
 Soprano Songs.
 "The Laird o' Cockpen" } *Nairne*
 "Charlie is My Darling" }
 "The Land o' the Leal" } *Burns*
 "John Anderson, My Jo" }
 Baritone Songs.
 "Scots Wha Hae' Wj Wallace Bled" *Burns*

- "The March of the Cameron Men" *Mary Campbell*
 "Annie Laurie" *Lady Scott*
 9.30.—*Programme S.B. from London.*
 10.0.—**WEATHER FORECAST** and **NEWS.** *S.B. from London.*
 Local News.
 10.15.—*Programme S.B. from London.*
 10.40.—Close down.

6BM BOURNEMOUTH. 385 M.

- 3.0. **BAND OF THE ROYAL ARTILLERY.**
LILY CLARE (Contralto).
 Relayed from South Parade Pier, Southsea.
- 3.15. **CHARLES J. RICE** (Baritone).
 "Harlequin" *Sanderson (1)*
 Recit. and Air, "Lord God of Abraham" ("Elijah") *Mendelssohn*
 Band.
- 3.30. **FLORENCE WILSON** (Soprano).
 "Abide With Me" *Liddle (1)*
 "Life's Recompense" *Terusa del Riego*
 Band.
- 4.5. **Florence Wilson.**
 "Nearer, My God, to Thee" *L. Carey (1)*
 "Beyond the Dawn" *W. Sanderson (1)*
- 4.35. **Charles J. Rice.**
 "The Floral Dance" *K. Moss*
 "The Curfew" *Monk Gould*
 Band.
- 4.45. **Band.**
- 5.0-5.30.—**CHILDREN'S SERVICE.** *S.B. from London.*
- 8.30. **THE "6BM" CHOIR.**
 Hymn, "Love Divine, All Loves Excelling" (A. and M. No. 520).
 The Rt. Rev. The **LORD BISHOP OF WINCHESTER:** Religious Address. *S.B. to other Stations.*
 Choir.
 Hymn, "Saviour, Again to Thy Dear Name We Raise" (A. and M. No. 31).
A. WOOD (Baritone).
 Sacred Song, "Nazareth" *Gounod*
- 9.0.—**ST. ANDREW'S NIGHT.** *S.B. from London.*
- 10.0.—**WEATHER FORECAST** and **NEWS.** *S.B. from London.*
 Local News.
- 10.15.—St. Andrew's Night (Continued).
 10.40.—Close down.

5WA CARDIFF. 351 M

- 3.30-4.45. **THE STATION ORCHESTRA.**
 Conductor, **WARWICK BRAITHWAITE.**
 Vocalist, **ASTRA DESMOND.**
 Orchestra.
 Overture, "Rienzi" *Wagner*
Astra Desmond.
 "The Song of the Blackbird" *Quilter (1)*
 "The Spring is at the Door" *Quilter (4)*
 "Morning Song" *Quilter*
 Orchestra.
 Suite, "Summer Days" *Coates*
 (1) "In a Country Lane"; (2) "On the Edge of the Lake"; (3) "At the Dance."
Astra Desmond.
 "Where Be Goin'?" } (Old } *arr. Cyril*
 "Cherry Ripe" } English) } *Scott (4)*
 "Summer is icumen in" }
 Orchestra.
 "Chanson de Matin" *Elgar (11)*
 "Czardas" *Monti*
Astra Desmond.
 "Love is Meant to Make us Glad" *German*
 "Habañera" ("Carmen") *Bizet*
 "Rondel" *Elgar*
 Orchestra.
 Keltic Suite *Foulds*
 (1) "The Clan"; (2) "A Lament"; (3) "The Call."
- 5.0-5.30.—**CHILDREN'S SERVICE.** *S.B. from London.*

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 449.

WIRELESS PROGRAMME—SUNDAY (Nov. 30th.)

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

- 8.30-9.0.—The Rt. Rev. The LORD BISHOP OF WINCHESTER. *S.B. from Bournemouth.*
- 9.0.—ST. ANDREW'S NIGHT. *S.B. from London.*
- 10.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
Local News.
- 10.15.—St. Andrew's Night (Continued).
- 10.40.—"The Silent Fellowship."
- 10.55.—Close down.

2ZY MANCHESTER. 375 M.

- 3.0-5.0. BAND OF THE SALFORD POLICE. (By permission of the Chief Constable.)
Conductor, THOMAS WILSON.
REGINALD WHITEHEAD (Bass).
Band.
- "Florentine March" *Fucik*
- Suite in F for Military Band *Holst* (1)
(This Suite is founded on Old English Country Tunes.)
- (1) March; (2) Song Without Words—"I'll Love My Love"; (3) "Song of the Blacksmith"; (4) Fantasia on the Dargason.
- Morceau, "Salut d'Amour" *Elgar*
- Excerpts { Idyll, "Whispering of the Flowers" *Blon*
Bass Solos.
- Recit., "I Rago, I Melt, I Burn" { "Aci's and Galatea" } *Handel*
- Aria, "O Ruddier than the Cherry" { "Galatea" }
- "Old English Love Song" *Allison* (1)
- "Drink to Me Only With Thine Eyes" *Roger Quilter*
- Band.
- Overture, "Egmont" *Beethoven*
- Selection, "Ballad Memories" *Baynes* (1)
- Morceau, "Husarenritt" *Spindler* (11)
Bass Solos.
- Recit., "Tyrannic Love" { ("Suzanna") *Hamlet*
- Aria, "Ye Verdant Hills" { }
- "Thy Beaming Eyes" *MacDowell* (4)
- "Three Songs of the Sea" *Roger Quilter*
(1) "The Sea Bird"; (2) "Moonlight"; (3) "By the Sea."
- Band.
- "Three Bavarian Dances" *Elgar* (15)
- Pieces { "Serenade" } *Chaminade* (5)
{ "Callirhoe" }
- Intermezzo, "Canterbury Chimes" *Ancliffe*

- 5.0-5.30.—CHILDREN'S SERVICE. *S.B. from London.*
- 8.0.—SIDNEY G. HONEY: Talk to Young People.
- 8.25.—Hymn, "O Come, O Come, Emmanuel" (A. and M. No. 49).
Religious Address by the Rev. WARDLE RIDLEY, of Reddish Congregational Church.
- St. Andrew's Hymn, "Jesus Calls Us" (A. and M. No. 403).
- 9.0.—ST. ANDREW'S NIGHT. *S.B. from London.*
- 10.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
Local News.
- 10.15.—St. Andrew's Night (Continued).
- 10.40.—Close down.

5NO NEWCASTLE. 400 M.

- 3.0-5.0. Recital on Two Pianofortes. by
H. YEAMAN DODDS AND GEORGE DODDS.
With
THE STATION STRING ORCHESTRA
(Leader, Alfred M. Wall):
Conductor, EDWARD CLARK.
Songs by IDA COWEY (Soprano).
H. Yeaman Dodds and George Dodds.
- Concerto in C Minor *Bach*
(a) Allegro; (b) Adagio; (c) Allegro.
String Orchestra.
- "The Holy Boy" *John Ireland*
H. Yeaman Dodds and George Dodds.
- "Le Carnaval des Animaux" *Saint-Saens*
Ida Cowey.
- Aria from "St. John Passion" } *Bach* (11)
"My Heart Ever Faithful" }
(With Violoncello Obligato.)
ALFRED M. WALL (Solo Violin).
- Arioso.
- Allegro *Fiocco*
Ida Cowey.
- "Lady! Thou Queen of Israel" ("Judith")
..... *Parry* (11)
- "Christ in His Garden" *Tchaikovsky*
H. Yeaman Dodds and George Dodds.
- Fantasia in C Minor *Mozart-Grieg*
- 5.0-5.30.—CHILDREN'S SERVICE. *S.B. from London.*
- 8.30-9.30. PHILHARMONIC CONCERT. (Relayed from The Palace Theatre.)
- 9.30.—ST. ANDREW'S NIGHT. *S.B. from London.*
- 10.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
Local News.
- 10.15.—St. Andrew's Night (Continued).
- 10.40.—Close down.

23D ABERDEEN. 495 M.

- 3.0-5.0. JOAN KEDDIE (Soprano).
THE GRANDHOLM BRASS BAND.
Conductor, JOHN L. MELVIN.
THE WIRELESS ORCHESTRA.
Band.
- Descriptive Piece, "A Sunday Parade" *Hawkins*
- Cornet Solo, "The Nightingale" *Moss*
(Soloist, JOHN L. MELVIN, Junr.)
Joan Keddie.
- "Hear, Ye Israel" ("Elijah")
..... *Mendelssohn*
- "Shepherd's Cradle Song" *Somerville*
Orchestra.
- Overtures { "Hunyadi Lazlo" *Erkel*
{ "Masaniello" *Auber*
Band.
- Largo in G *Handel*
- Air Varié, "Sun of My Soul" *Bitter*
Joan Keddie.
- "With Verdure Clad" ("The Creation")
..... *Haydn* (11)
- "Praise" *Dyson*
Orchestra.
- "In the Italian Style" *Schubert*
- "Festival" *Keler-Bela*
Band.
- Euphonium Solo, "Anchored" *Wadson*
(Soloist, Bandsman R. MELVIN.)
- Fantasia, "Angel Echoes" *De Lacy*
Joan Keddie.
- "There" *Parry* (11)
- "Jerusalem" *Parry* (2)
Band.
- March, "Calcutta" *Fraser*
- Air Varié, "Eventide" *Rimmer*
- 5.0-5.30.—CHILDREN'S SERVICE. *S.B. from London.*
- 8.30. Church Service.
Relayed from North United Free Church.
Minister, The Rev. ELLIS PEARSON, M.A., St. Paul's Street Congregational Church.
- 9.30. THE WIRELESS SEPTET.
Selected Hymns.
- 9.40. JOSEPHINE MACPHERSON (Soprano).
"The Lord is My Shepherd" *Wilson* (11)
"Ave Maria" *Gounod*
- 9.50. Septet.
Selected Hymns.
- 10.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
Local News.
- 10.15. Josephine Macpherson.
"My Task" *Ashford*
"Easter Hymn" *Bantock*

- 10.25. Septet.
Selected Hymns.
- 10.30. Josephine Macpherson.
"Lead, Kindly Light" *Evans* (11)
"The Angelus" *Russell*
- 10.40. Septet.
Selected Hymns.
- 10.45.—Close down.

5SC GLASGOW. 420 M.

- St. Andrew's Day.
THE STATION ORCHESTRA:
Conducted by
HERBERT A. CARRUTHERS.
J. GORDON CLARK (Bass).
Orchestra.
- 3.0. Overture, "Fingal's Cave" *Mendelssohn*
Four Pieces from Suite in D Major *Bach*
(Arranged for String Orchestra by
Charles Woodhouse.)
Pieces { "Chanson Triste" } *Tchaikovsky*
{ "Humoreske" }
- 3.25. Bass Solos.
"Nancy's Hair" *arr. M. Kennedy*
"The Road to the Isles" *Fraser* (1)
"The Land o' the Leal"
..... *arr. Chas. McPherson*
- 3.50. Orchestra.
Symphony in D *Haydn*
Adagio Allegro; Andante; Menuetto;
Allegro Spiritoso.
- 4.15. Bass Solos.
"Ae Fond Kiss" { *Traditional* (34)
"Bonnie Wee Thing" }
- 4.25. Orchestra.
Two Movements from Symphony Fantastique *Berlioz*
Un Bal; Marche au Supplice.
Intermezzi, Suite Dansante *Rossini*
Valse Lente; Pas Seul; Danse Tambourin.
Overture, "Oberon" *Weber*
- 5.0-5.30.—CHILDREN'S SERVICE. *S.B. from London.*
- 8.30. Choir.
Hymn No 11, First Tune, Church Hymnary.
The Rev. J. S. BARROWMAN, M.A., of
Carnynte Parish Church: Religious
Address.
Hymn No. 14 (Tune, "St. Flavian")
(Church Hymnary).
Prayer.
Hymn No. 24 (Tune, "Westminster")
(Church Hymnary).
- 9.0. Lecture Recital of
"DOMSIE"
(Jan MacLaren).
By AUGUSTUS BEDDIE.
Before the days of School Boards, Domsie, as he was lovingly called behind his back, buried himself among the woods with the bairns of Drumtochty. He died a bachelor and seemed to give all his love to the children, and nearly all his money, too, helping lads to college. He declared to Drumsheugh, "The grass'll no grow on the road between the College an' the schule-hoose o' Drumtochty till they lay me in the auld kirkyard." The discovery of a "lad o' pait's" was counted a day in his life, and when the "Schule" knew that Geordie Hoo was marked for college they pelted him with fir cones in great gladness of heart. Dominie Jamieson was the type of schoolmaster that no boy or girl, who had sat at his feet, could ever cease to love and revere.
- 10.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
Local News.
- 10.15.—Programme *S.B. from London.*
- 10.40.—Close down.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 449.

Continental Broadcasting.

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

FRA NCE.

RIFFEL TOWER (FL)—Paris, 2,650 m.
Daily: 6.40 a.m., Weather (exc. Sun.); 11.0, Markets (exc. Sun. and Mon.); 11.15, Time Sig., Weather; 2.45, 3.35, 4.30 p.m., Stock Exch. (exc. Sun. and Mon.); 6 p.m., Con., News (not daily); 7 p.m., 10.10, * Weather (exc. Sun.). * On 1st and 15th of each month at 4.45 p.m.

RADIO-PARIS (SFR)—Paris, 1,780 m.
Sundays: 12.45 p.m., Orch.; 1.45, News; 4.45, Con.; 8.30 p.m., News; 9 p.m., Con.; 10 p.m., Dance.
Weekdays: 12.30 p.m., News, Stock Exch., Orch.; 4.50, Markets, Con.; 5.45, Stock Exch., News, Women's Hour; 8.30, Lec., News, Con.; 10 p.m., Dance (not daily).

ECOLE SUP. DES POSTES ET TELEGRAPHES (PTT)—Paris, 458 m.
4 p.m., Lec. (Tue. and Thur.); 8 p.m., Eng. Conv. and Con. (Tue.); 8.30 p.m., Lec. or Con. (daily). On 3rd Sun. of each month, Organ Recital at 8.45 p.m.

"PETIT PARISIEN"—340 m.
9.30 p.m., Con. (Tue., Thur., and Sun.).

LYONS-LA-DOUA—480 m.
Daily: 10.30 a.m. and 8 p.m., News and Con.

AGEN—335 m. New Station Testing.

GERMANY.

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

HAMBURG—395 m.
Sundays: 7.55 a.m., Time Sig., Weather, News, Lec., Women; 10.15, Sacred Con.; 11.15, Chess; 12.15, Con.; 3.30 p.m., Children; 4.30, Con.; 5.45, English; 7 p.m., Con. or Opera; 9 p.m., onwards, as week-days.

Week-days: 6.25 a.m., Time Sig., News; 11.45, Markets; 12.0, Time Sig.; 1.30 p.m., Markets; 2 p.m., News, Markets, Women's Hour; 5 p.m., Con.; 6 p.m., Lec.; 7 p.m., Con. or Opera; 9 p.m., Weather, Markets, Sport; 9.50, News (in English); Dance (not daily).

MUNSTER—410 m.
6.55, Time Sig., News; 10 a.m., Sacred Con. (Sun.); 11.30, Stock Exch., Time Sig.; 2.30 p.m., Markets, News; 3 p.m., Orch.; 6.40, Children (Wed. and Sat.); Weather, News; 7.15, Con.; Dance (Sat.); 8.15, News.

BRESLAU—418 m.
10.15 a.m., Stock Exch., Weather; 11.0, Sacred Con. (Sun.); 11.55, Time Sig., Weather (Sun.); 12.25 (week-days); 2 p.m., News; 3 p.m., Children (Sat. and Sun.); 4.30, Orch., Lec. (Sun.); 6.30, Esperanto (Mon.); 7.30, Con., Lec. and dance.

BERLIN (1)—430 m.; (2) 505 m.
8 a.m., Sacred Con. (Sun.); 9 a.m., Education (Sun.); Markets, News; 10.35, 11.15, Stock Exch.; 12.0, Time Sig., News, Weather; 1.15 and 2 p.m., Stock Exch.; 2.30, Children (Sun. and Wed.); 3.15, Stock Exch.; Orch.; 5.20 p.m., Women, Lec.; 6 p.m., French Lesson (Mon.); Lec. (other days); 7.30 p.m., Con. or Opera, News, Time Sig.

STUTTGART—443 m.
10.30 a.m., Con. (Sun.); 11, Markets; 3 p.m., Con. and News (Sun.); 3.30, News; 4.30 p.m., Markets, Con., Weather, Time Sig., Children (Wed. and Sat.), Women's Hour, (Fri.); 5 p.m., News, Time Sig. (Sun.); 5.30 p.m., (weekdays); 6.30, Lec. (Mon. and Tue.), English Conv. (Fri.); 7-9.30 p.m., Con., Weather, Time Sig., News (daily).

LEIPZIG*—454 m.
8 a.m., Sacred Con. (Sun.); 10.55, Markets; 11.58, Time Sig. (weekdays); 12 and 3 p.m., Stock Exch., News, Con. (Sun.), Children (Wed.), Con. (week-days); 5 p.m., Markets (week-days); 6 p.m., Lec., Esperanto (Mon.), Chess (Wed.); 6.45 p.m., English (Tue.), Con. or Opera, News, Dance (Sun.). *All items daily exc. where otherwise stated.

KOENIGSBERG—463 m.
7.10 a.m., Markets (Wed. and Sat.); 8 a.m., Sacred Con. (Sun.); 10.15, Markets; 10.30, Con. (Sun.); 11.55, Time Sig.; 1.15 p.m., News; 3 p.m., Stock Exch., Orch.; Children (Wed. and Fri.); 6 p.m., Lec.; 7 p.m., Con., Weather, News; 8.10 p.m., Con. or Dance.

FRANKFORT-ON-MAIN—470 m.
7 a.m., Sacred Con. (Sun.); 10.10, News; 10.55, Time Sig. and News; 3 p.m., Con. (Sun.); Markets, Orch.; 4 p.m., Children (Sun.); 5 p.m., Lec.; 6.30, Lec., Esperanto (Fri.); 7 p.m., Eng. Conv. (Mon. and Wed.), Con. or Opera; 8.30, News, Weather, Lec., Women; 9 p.m., Time Sig., Con. (Irreg.).

MUNICH—485 m.
9.30 a.m., Sacred Con. (Sun.); 1 p.m., Time Sig., News, Weather; 3.30, Con.; 4 p.m., Children (Wed.); 4.30 p.m., English Conv. (Mon.); Esperanto (Thurs.); 5 p.m., Markets, News, Women's Hour (Tue. and Fri.); 5.30 and 6.30 p.m., Con. and Lec.; 7.30, Con., News, Weather, Time Sig.; 8 p.m., Dance, News, Weather, Time Sig. (Sat.).

KOENIGSWUSTERHAUSEN (LP)—Near Berlin.
680 m. 9.40 a.m., Con. (Sun.).
2,450 m. 10.20 a.m., Con. (Irreg.).
2,550 m. 6.30 a.m., to 7.40 p.m., Wolff's Press News.
2,800 m. 10.50 a.m., Con. (Sun.).
3,150 m. and 4,000 m. 6 a.m. to 8 p.m., News Service.

BELGIUM.

BRUSSELS (SBR)—265 m.
Daily: 5 p.m., Orch., Children (Wed. and Thur.); Dance (Tue. and Sat.); 6 p.m., News; 8 p.m., Lec.; 8.15, News, Con.; 10 p.m., News.

HAELEN (HAV)—1,100 m.
Week-days: 1 p.m., 2 p.m., 4.50 and 6.50 p.m., Weather.

HOLLAND.

AMSTERDAM (PA5)—1,050 m.
7.40 p.m., Con. (Wed.); 8.40 p.m., News; 9.10 p.m., Con. (Irreg.).

AMSTERDAM (PCFF)—2,000 m.
News and Stock Exch. from 7.55 a.m.

HILVERSUM (NSF)—1,050 m.
7.40 p.m., Con. (Sun.); 8.40 p.m., Lec. (Fri., Irreg.); 5.45 p.m., Children (Mon.).

HUNGARY.

BUDA-PESTH (MTI)—950 m.
Half-hourly from 6.45 a.m., News, Stock Exch.; 10 a.m., Con. (daily); 11.30, News.

SWITZERLAND.

GENEVA (HBI)—1,100 m.
Daily (exc. Sun.): 12.15 p.m., Lec.

LAUSANNE (HBI)—850 m.
Daily: 7.5 a.m., Weather; 12.50 p.m., Weather, Time Sig. and News; 4 p.m., Children (Wed.); 8.15 p.m., Con. (Daily exc. Wed.), Dance (Thur. and Sat.).

ZURICH (Hoegg)—650 m.
Week-days: 12.0, Weather, News, Stock Exch.; 3 p.m., Con.; 5.15, Children (Mon., Wed., Fri.); 6 p.m., Weather, News; 7.15, Lec., Con., News, Weather; Dance (Sat.). Sundays: 3. and 7.15 p.m., Con., News, Weather.

AUSTRIA.

VIENNA (RADIO WIEN)—530 m.
Daily: 8 a.m., Markets; 10, Time Sig., Con.; 12.30 p.m., Weather; 2.30, Stock Exch.; 3.0 p.m., Time Sig., News, Con.; 4.15, Children (Tue., Fri.); 6.30, News, Weather; 7 p.m., Time Sig., Con., News; 9 p.m., Dance (Wed., Sat.).

JUGO-SLAVIA.

BELGRADE—1,650 m.
5.45 p.m., Con. (Tue., Thur., Sat.).

RUSSIA.

MOSCOW—3,200 m.
12.30 p.m., Lec. (Irreg.).

CZECHO-SLOVAKIA.

KCELY (OKP)—1,150 m.
Week-days: 10.30 a.m., 12, 12.45 p.m., 4 and 5 p.m., Stock Exch.; 6.15 p.m., Lec., News, Weather, Con. (Time Sig., 7 p.m.), daily; 10 a.m., Con. (Sun.).

KOMAROV (OKB)—1,800 m.
1 p.m., Stock Exch., Weather, News (weekdays); 5 p.m., Con. (Thur.); 9 a.m., Con. (Sun.).

ITALY.

ROME (IRO)—425 m.
7.40, Con. (daily).

SPAIN.

MADRID (Radio Iberica)—392 m.
Daily: 7.15 p.m., Weather, Time Sig., Stock Exch., News, Con.; 10.45 p.m., Con., Time Sig. (11.14 p.m.); 11.30 p.m., Con., Dance Music.

BARCELONA—325 m. New Station, 6 p.m. and 9 p.m.

DENMARK.

COPENHAGEN—750 m.
7 p.m., Con. (Sun. and Wed.).

LYNGBY (ONE)—2,400 m.
Week-days: 6.20 p.m.; 8 and 9 p.m., News, Weather, Time.

RYVANG—1,025 m.
6.30 p.m., Eng. Lesson (Wed.); 7 p.m., Con. (Tue., Fri.).

SWEDEN.

STOCKHOLM (TV)—440 m.
10.10 a.m., Religious Service (Sun.); 11.35, Weather, etc. (daily); 6.15 p.m., Con. and News (daily).

STOCKHOLM (Radio AKT)—470 m.
7.10 p.m., Con. and News (Tue., Thur., Sat., Sun.).

GOTHENBURG—460 m.
6.10 p.m., Con. (Tue., Fri., Sat.).

GOTHENBURG—680 m.
6.10 p.m., Con. (Mon., Wed., Thur.).

BODEN—2,500 m.
5.40 p.m., Con. (Tue., and Fri.); 4.40 p.m., Con. and News (Sun.).

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

KGO—312 m. Oakland, Cal.
KDKA—326 m. East Pittsburgh, Pa.
WBZ—339 m. Springfield, Mass.
WGY—380 m. Schenectady, N.Y.
WJY—405 m. New York City.
CKAC—425 m. Montreal, Ca.
CFAC—439 m. Calgary, Ca.
WJZ—435 m. New York City.
WEAF—492 m.

EVENTS OF THE WEEK.

SUNDAY, November 30th.

LONDON, 3.0.—Wagner and Tchaikovsky Programme.

LONDON, 8.30.—"St. Andrew's Night." S.B. to other Stations.

BOURNEMOUTH, 3.0.—Band of the Royal Artillery.

BOURNEMOUTH, 8.30.—The Rt. Rev. The Lord Bishop of Winchester. S.B. to other Stations.

NEWCASTLE, 8.30.—Philharmonic Concert, relayed from the Palace Theatre.

MONDAY, December 1st.

All Stations except Belfast, 7.35.—The Opera "Carmen" (Bizet).

TUESDAY, December 2nd.

BIRMINGHAM, 7.30.—An Evening with Shakespeare.

CARDIFF, 7.30.—Old British Ballads.

NEWCASTLE, 7.30.—Band of H.M. Grenadier Guards.

WEDNESDAY, December 3rd.

LONDON, 9.0.—Mrs. KENDAL and Lady TREE in "Granny's Juliet." S.B. to all Stations.

BIRMINGHAM, 8.0.—Radio Fantasia No. 2—"Life's Slumber Time."

ABERDEEN, 7.30.—Music and Songs of the Sea. Band of H.M. Grenadier Guards.

BELFAST, 7.30.—Mainly Dvorak.

THURSDAY, December 4th.

LONDON, 7.30.—"The Rose of Persia." S.B. to other Stations.

BIRMINGHAM, 7.35.—"Bethlehem," relayed from the Town Hall.

GLASGOW, 7.35.—The Band of H.M. Grenadier Guards.

FRIDAY, December 5th.

BOURNEMOUTH, 7.30.—"Byrd—Purcell—Arne."

CARDIFF, 7.30.—An Evening with Mozart.

MANCHESTER, 7.30.—The Band of H.M. Grenadier Guards.

SATURDAY, December 6th.

BIRMINGHAM, 7.30.—The Band of H.M. Grenadier Guards.

ABERDEEN, 7.30.—Operatic Night.

LAYTON and JOHNSTONE, the Celebrated American Duettists, will broadcast from the London Studio on Wednesday and Saturday at 10.20 and 10.50 (approx.). S.B. to all Stations.



EIDER DUCK AND GADWALL.

These birds will be described by Mr. E. Kay Robinson during his talk on "British Birds," to be given from London, on Tuesday, December 2nd.

WIRELESS PROGRAMME—MONDAY (Dec. 1st.)

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

2LO LONDON. 365 M.

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

4.0-5.0.—Time Signal from Greenwich. Concert: The "2LO" Trio and Blanche Allen (Soprano). C. Pollard Crowther on "Japan." "The Art of Telling Stories to Children," by Muriel Winch.

5.30-6.15.—CHILDREN'S CORNER: Mary Locke (aged 14½), Pianoforte Solos. Thelma Hughes (aged 6), recitations. "How Robin Sold Pots at Nottingham Fair" (2), from Greenwood Tales retold by Dorothy King.

6.40-6.55.—Mr. Julian Busseltaggs: "Blackie, the Faithful Hound."

7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. *S.B. to all Stations.*

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

Mr. W. N. T. TAMS, Assistant, Dept. of Entomology at the Natural History Museum, on "Moths." *S.B. to other Stations.*

Local News.

7.35.—All Stations Programme. (For particulars see centre column.)

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

Topical Talk.

Local News.

10.0.—THE SAVOY ORPHEANS AND SAVOY HAVANA BANDE, relayed from the Savoy Hotel, London. *S.B. to all Stations.*

11.0.—Close down.

5IT BIRMINGHAM. 475 M.

3.30-4.30.—The Station Wind Quintet. Gwendoline Hollis (Soprano).

5.0-5.30.—WOMEN'S CORNER: Sidney Rogers, F.R.H.S., Topical Horticultural Hints. Gladys Joiner (Soprano).

5.30-6.30.—CHILDREN'S CORNER.

6.30-6.45.—"Teens' Corner: Mr. Fred J. Clifford, L.R.A.M., on "Musical Appreciation—Purcell, Handel, Bach."

7.0-11.0.—The entire Programme *S.B. from London.*

6BM BOURNEMOUTH. 385 M.

3.30-5.0.—The Bijou Military Band. Hilda Douglas (Soprano). Gilbert Wright (Cornet). Talk to Women: "The Story of a Painter," by Alice Kitching.

5.0-6.0.—CHILDREN'S CORNER: Songs and Stories by Uncle Rob and Auntie Ethel. "Stamp Talk," by Uncle Neville. "Adventure Talk to Boys," by Uncle Cavan.

6.0-6.30.—Scholars' Half-Hour: Mr. W. F. Perry on "The Geography of Trees."

6.30-6.45.—Lessons in Morse Transmission by Mr. Douglas C. Norman.

7.0-11.0.—The entire Programme *S.B. from London.*

5WA CARDIFF. 351 M.

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

ALL STATIONS PROGRAMME

(except Belfast).
Relayed from London.
7.35-9.30.

"Carmen"

(Georges Bizet).
An Opera in Four Acts.

Cast:

Don José, a Corporal of Dragoons
WILLIAM HESELTINE

Escamillo, a Toreador
JOSEPH FARRINGTON

El Remendado, a Smuggler
S. HARRISON

Zuniga, a Captain JOHN HUNTINGTON

Morales, an Officer } DENNIS

El Dancaïro, a Smuggler } NOBLE

Micaela, a Peasant Girl
GERTRUDE JOHNSON

Frasquita } (Gipsies, WINIFRED
Friends } FISHER

Mercedes } of } VIVIENNE
Carmen } } CHATTERTON

Carmen, a Cigarette Girl and Gipsy
ENID CRUICKSHANK

Chorus.

THE WIRELESS SYMPHONY ORCHESTRA:

Conducted by
DAN GODFREY, Junr.

Act I. A square in Seville.

Act II. A tavern on the outskirts of Seville.

Act III. A wild mountain pass.

Act IV. A square in Seville outside the Bull-ring.

5.0-5.45.—"5WA'S" "FIVE O'CLOCKS": Talks to Women. Vocal and Instrumental Artists.

5.45-6.30.—CHILDREN'S CORNER.

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

Radio Association Talk. *S.B. from London.*

Mr. RICHARD TRESEDER, F.R.H.S., on "Gardening."

Local News.

7.35-11.0.—The entire Programme *S.B. from London.*

IMPORTANT TO READERS.

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

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

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

"RADIO TIMES" READING CASE.

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

2ZY MANCHESTER. 375 M.

3.0-3.30. } Music relayed from the Piccadilly
4.0-4.30. } Picture Theatre.

3.30-4.0.—Broadcast to Secondary Schools (Juniors): Mr. W. H. BARKER, B.Sc., F.R.G.S., on "Negro Life in West Africa."

4.30-5.0.—WOMEN'S HALF-HOUR: Elias Ashcroft (Baritone).

5.0-6.0.—CHILDREN'S CORNER.

6.30-6.55.—Prof. F. E. Weiss, D.Sc., F.R.S., on "Botany—(2) The Weather Plant."

7.0.—WEATHER FORECAST and NEWS. *S.B. from London.* Radio Association Talk. *S.B. from London.* Local News.

7.20-7.35.—Interval.

7.35.—"CARMEN." *S.B. from London.*

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

Farmers' Corner: Mr. C. H. DOBBIN, Head Poultry Instructor to the Lancashire County Council, on "Poultry Keeping." Local News.

10.0.—THE SAVOY BANDS. *S.B. from London.*

11.0.—Close down.

5NO NEWCASTLE. 400 M.

3.45-4.45.—Queen Alexandra's Birthday: Ella Scott (Recitation)—Tennyson's "Welcome to Alexandra." Rosina Wall's Trio.

4.45-5.15.—WOMEN'S HALF-HOUR: Weekly News Letter. Miss Cooper Hodgson—Health Talk.

5.15-6.0.—CHILDREN'S CORNER.

6.0-6.30.—Scholars' Half-Hour.

7.0-11.0.—The entire Programme *S.B. from London.*

2BD ABERDEEN. 495 M.

3.30-5.0.—Concert: The Wireless Orchestra. Vocal and Violin Recital by Malcolm Davidson and Mrs. J. G. Burnett. (The Composer, Malcolm Davidson, will sing his own songs.) Feminine Topics.

5.30-6.0.—CHILDREN'S CORNER: Mr. J. G. Burnett, L.R.A.M., on "Learning to Listen."

6.30-6.35.—Girl Guides' and Boy Scouts' News Bulletins.

7.0-9.40.—Programme *S.B. from London.*

9.40.—Prof. ALEXANDER FINDLAY, M.A., D.Sc., Ph.D., on "Catalysis." *S.B. to Edinburgh.* Local News.

10.0.—THE SAVOY BANDS. *S.B. from London.*

11.0.—Close down.

5SC GLASGOW. 420 M.

3.30-4.50.—The Wireless Quartet. Alexander Richard (Bass). Afternoon Topics.

5.15-6.0.—CHILDREN'S CORNER: Letter Competition Results. Uncle Mungo will explain the doings of "The Mysterious Chair."

6.0-6.5.—Weather Forecast for Farmers.

7.0-9.40.—Programme *S.B. from London.*

9.40.—Capt. C. H. Brown, on "Mercantile Shipping." *S.B. to Belfast.* Local News.

10.0.—THE SAVOY BANDS. *S.B. from London.*

11.0.—Close down.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 449.

WIRELESS PROGRAMME—TUESDAY (Dec. 2nd.)

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

2LO LONDON. 365 M.

- 1.0-2.0.—Time Signal from Greenwich. Concert: The "2LO" Trio and John Ayimer (Tenor).
- 3.15-3.45.—Transmission to Schools: Mr. E. KAY ROBINSON, on "British Birds."
- 4.0-5.0.—Time Signal from Greenwich. "Books to Read," by Ann Spice. Organ and Orchestral Music, relayed from Shepherd's Bush Pavilion. "The Great Wall of China," by C. Romaine James.
- 5.30-6.15.—CHILDREN'S CORNER: Eric Simco (Aged 13), Songs: Hylds Davy (Aged 11), Recitations: "Blue Tit and the Grubs," by Joan Kennedy. "Here-ward the Wake," by Hazel Phillips Han-shaw.
- 6.40-6.55.—An Appeal by Sir ERNEST HATCH, K.B.E., on behalf of the Rockefeller Foundation Gift British Endowment.
- 7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. *S.B. to all Stations.*
- ARCHIBALD HADDON, The B.B.C. Dramatic Critic. *S.B. to all Stations.* Local News.
- First Appearance at "2LO" of the "PREMIER" ENGLISH CONCERTINA BAND
Conducted by PERCY E. GAYER.
EARLE SPICER and LAWRENCE BROWN,
In Songs Grave and Gay.
ARTHUR ACKERMAN and JENNY WYNNE
(Folk Singers).
MARK AMBIENT.
- 7.30. The Band.
March, "Steadfast and True" *Teike*
Overture, "Pique Dame" *Suppe*
Arthur Ackerman and Jenny Wynne,
In Old English Songs and Folk Lore Duets.
The Band.
Humoresque, "A Lightning Switch" *Alford*
Solemn Melody, "Judex," from "Mors et Vita" *Gounod* (11)
Mark Ambient.
"My First Bawbee," by a Scotch Laddie *Archibald McKay*
"First Love," by a Little Irish Boy *Prof. Ed. Dowden, LL.D.*
"Santa Claus," by an English Kiddie *Anon.*
The Band.
Piccolo Concertina Solo, "Le Rossignol de l'Opera" *Damaré*
Operatic Selection, "Cavalleria Rusticana" *Mascagni*
Earle Spicer.
"Isobel" *Frank Bridge*
"It Was a Lover and His Lass" *Roger Quilter* (1)
"Come Not When I Am Dead" *Josef Holbrooke* (5)
"The Little Admiral" (from "Songs of the Fleet") *C. V. Stanford* (14)
The Band.
"A Motor Ride" *Bidgood*
Dawn; Birds and Animals Awaken;
The Cuckoo—The Jerusalem Cuckoo; The Clock Strikes Seven; Arrival on the Moors; The Start; On the Road; A Pack of Hounds—and a Collision; The Village Smithy; The Return Home and Finale, with a Loud Hurrah!
Waltz, "What'll I Do?" *Berlin* (7)
Fox-trot, "Chili Bom Bom" *Friend* (7)
Arthur Ackerman and Jenny Wynne
in further Folk-Song Duets.
The Band.
Selection, "Chu Chin Chow" *Norton* (31)
Overture, "William Tell" *Rossini*
- 9.30.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. *S.B. to all Stations except Glasgow and Belfast.*

Sir HALFORD MACKINDER: British Commonwealth of Nations Series—India. *S.B. to all Stations except Glasgow and Belfast.*
Local News.

- 10.0. The Band.
Intermezzo, "In a Persian Market" *Ketelbey*
Earle Spicer and Lawrence Brown.
Negro Spirituals arranged by Lawrence Brown.
"Swing Low, Sweet Chariot."
"I Know de Lord's Laid His Hands on Me."
"Steal Away."
"Every Time I Feel de Spirit."
The Band.
Fox-trots { "Little Wooden Whistle" (16)
"Monavanna." (6)
- 10.30.—Close down.

5IT BIRMINGHAM. 475 M.

- 3.30-4.0.—The Station Piano Quintet.
- 4.0-4.30.—School Transmission: Dr. ADRIAN C. BOULT (Conductor of the City of Birmingham Symphony Orchestra) on "Musical Appreciation."
- 5.0-5.30.—WOMEN'S CORNER: C. H. C. of *The Birmingham Gazette*, interviews Joseph Lewis at the Studio. Anne Sanders (Contralto).
- 5.30-6.30.—CHILDREN'S CORNER.
- 6.30-6.45.—"Teens' Corner: Mr. G. T. Calvert (of the Natural History and Philosophical Society) on "Aquaria."
- 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
ARCHIBALD HADDON. *S.B. from London.* Local News.
- An Evening With Shakespeare.
- 7.30. WILLIAM MACREADY.
In his Recital, Scene and Story from Shakespeare,
In which he is assisted by EDNA GODFREY TURNER.
Cardinal Wolsey's Farewell ("Henry VIII").
The Seven Ages of Man ("As You Like It").
The Quarrel Scene ("Julius Caesar").
The Dagger Scene ("Macbeth")
The Sleepwalking Scene ("Macbeth")
St. Crispin's Day and King's Prayer ("Henry V").
Hamlet and the Queen ("Hamlet").
Lear and Cordelia ("King Lear").
Beatrice and Benedick ("Much Ado About Nothing").
Incidental Shakespearean Music by THE STATION ORCHESTRA.
- 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
Sir HALFORD MACKINDER. *S.B. from London.* Local News.
- 10.0. Orchestra.
March, "Colonel Bogey" *Alford*
Waltz, "España" *Waldteufel-Chabrier*
- 10.15. JANET JOYE (at the Piano);
NELLIE SOUTHWORTH (Soprano).
In a Combined Entertainment of Music and Humour.
- 10.45. Orchestra.
Selection, "Mary" *Hirsch*
- 11.0.—Close down.
- 6BM BOURNEMOUTH. 385 M.
- 3.30-5.0.—Talk to Women: "Modern Fashions," by Louis de Mayo. The Bourne Revellers: Winifred Ascott (Soprano), Annie Hatchard (Contralto), Sidney Waller (Tenor), Ernest Eady (Baritone), Nellie Winslade (Pianist).
- 5.0-6.0.—CHILDREN'S CORNER.
- 6.0-6.30.—Scholars' Half-Hour: Mr. J. Power on "Appreciation of Modern Painting."
- 6.30-6.45.—Farmers' Talk: Mr. R. Bouffour, B.Sc., Chief Agricultural Officer for Wales, on "The Rationing of Milch Cattle."

7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
ARCHIBALD HADDON. *S.B. from London.* Local News.

Concert Party Night.

- THE SCANDALMONGERS:
JACK RICKARDS (Comedian),
VIOLET STEVENS (Comedienne),
EVELYN BALY (at the Piano).
THE WIRELESS ORCHESTRA:
Conducted by
Capt. W. A. FEATHERSTONE,
Orchestra.
- 7.30. Spanish March, "Triana" *Lope*
Incidental Music, "Monsieur Beaucaire" *Rosse*
Waltz, "Cherry Ripe" *O. Cussans*
- 7.50. The Scandal mongers.
Jack Rickards will attempt to say a few words on Eggs.
Violet Stevens prefers a Love Duet entitled "Punctuations" *J. Rickards*
Jack Rickards will now discuss Railway Stations.
And will also tell you about his "Great Great Uncle John" *J. Rickards*
- 8.5. March, "Coronation Bells" *Partridge*
Selection, "The Duchess of Dantzig" *Caryll*
Valse, "Wood Nymphs" *E. Coates*
- 8.25. The Scandal mongers.
Violet Stevens will now butt in with a Brace of Songs.
"Leap Year" *J. Rickards*
"Father's Insured" *J. Rickards*
The Scandal mongers.
In a heated discussion on Rhubarb, Books, Cheese and Music.
Evelyn Baly will solve the problem by playing
"The March of the Dwarfs" *Grieg*
- 8.50. Orchestra.
Suite, "Chelsea China" *Bealy* (1)
Selection, "Who's Hooper?" *Talbot and Novello*
Patrol, "The B'hoys of Tipperary" *Amera*
- 9.10. The Scandal mongers.
Violet Stevens insists on giving us
"Public Conversations" *F. Wood* (13)
"The Catsmeat Man" *J. Rickards* (13)
The Scandal mongers
Come back to earth with a little confidential discussion entitled
"Dear, Happy Days" *J. Rickards*
- 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
Sir HALFORD MACKINDER. *S.B. from London.* Local News.
- 10.0. THE ROYAL BATH HOTEL DANCE ORCHESTRA.
Relayed from King's Hall Rooms.
Musical Director, DAVID S. LIFF.
- 10.30.—Close down.

5WA CARDIFF. 351 M.

- 3.0-3.30.—Transmission to Schools.
- 3.30-4.0.—The Station Trio.
- 4.0-4.45.—The Carlton Orchestra, relayed from the Carlton Restaurant.
- 5.0-5.45.—"5WA'S" "FIVE O'CLOCKS."
- 5.45-6.30.—CHILDREN'S CORNER.
- 6.40-6.55.—Dr. F. J. North, D.Sc., F.G.S., Keeper of Geology, The National Museum of Wales, on "The Story of the Earth" —(XII).
- 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
ARCHIBALD HADDON. *S.B. from London.* Local News.
- 7.30. Old British Ballads.
CARMEN HILL (Soprano).
KENNETH ELLIS (Bass).
THE STATION ORCHESTRA.
Conductor, WARWICK BRAITHWAITE,
Orchestra.
Overture, "Lurline" *Wallace*

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WIRELESS PROGRAMME—TUESDAY (Dec. 2nd.)

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

Carmen Hill.
 "The Ballad of Semmerwater" *Graham Peel* (1)
 "Golden Days" *Sullivan* (1)
 "When Daisies Pied" *Arne*
 Kenneth Ellis.
 "False Phillis" *arr. Lane Wilson* (1)
 "Ah! Willow" *arr. Lane Wilson* (1)
 "The Beggar's Song" *Richard Leveridge, arr. Lane Wilson* (1)
 Orchestra.
 Incidental Music to "Faust" *Coteridge-Taylor* (1)
 Carmen Hill.
 "Three Fishers" *Hullah*
 "Oh, Dear! What Can the Matter Be?" *arr. Baz*
 Kenneth Ellis.
 "When Joan's Ale was New" *arr. Augustus Barratt* (25)
 "King Arthur" (Dorsetshire Ballad) *arr. J. K. Lees* (25)
 Orchestra.
 Patrol, "The Wee Macgregor" *America*
 March, "Pomp and Circumstance," No. 1 *Elgar* (1)
 Carmen Hill
 "Jock o' Hazeldean"
 "Annie Laurie"
 "There is Nae Luck About the Hoose" *Old Scotch*
 Kenneth Ellis.
 "My Love's an Arbutus" *arr. Stanford* (1)
 "Drink to Me Only" *arr. W. H. Squire*
 "The Meeting of the Waters" *arr. Clutsam*
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Sir HALFORD MACKINDER. *S.B. from London.* Local News.
 10.0.—Dance Music.
 10.30.—Close down.

2ZY MANCHESTER. 375 M.

12.30-1.30.—Organ Music by H. Fitzroy Page, relayed from the Piccadilly Picture Theatre.
 3.30-4.30.—Concert by the "2ZY" Quartet.
 4.30-5.0.—WOMEN'S HALF-HOUR.
 5.0-6.0.—CHILDREN'S CORNER.
 6.30-6.55.—Mr. J. Cuming Walters, M.A., on "The Heart of a Book—(5) Thomas Carlyle and His Ideal Heroes."
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 ARCHIBALD HADDON. *S.B. from London.* Local News.
 7.30.—Request Night.
 THE "2ZY" ORCHESTRA.
 HELEN DE FREY (Soprano).
 JAMES WORSLEY (Entertainer).
 Orchestra.
 Overture, "William Tell" *Rossini*
 Idyll, "Glow Worm" *Lincke*
 "The Parade of the Tin Soldiers" *Jessel*
 Selection, "Chu Chin Chow" *Norton* (31)
 Soprano.
 Hymn to the Sun ("Le Coq d'Or") *Rimsky-Korsakov*
 Entertainer.
 "The Adventures of a Stuffed Monkey" *Ben Bircley*
 Orchestra.
 Præludium *Järnefelt*
 Minuet for Strings *Boccherini*
 "Salut d'Amour" *Elgar*
 Selection, "Carmen" *Bizet*
 Soprano.
 Modern English Songs.
 "The Fields are Full" *Armstrong Gibbs* (14)
 "So Sweet is She"
 "Come, Lovers, Follow Me" *Edward Bairstow* (14)
 Entertainer.
 "Th' Owd Case Clock" *Sam Filton*
 "The Orderment" *Allan Wrigley*

Orchestra.
 "In a Monastery Garden" ... *Ketelbey* (8)
 Largo *Handel*
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Sir HALFORD MACKINDER. *S.B. from London.* Local News.
 10.0.—Orchestra.
 "Four Indian Love Lyrics" *A. Woodforde-Finden* (1)
 "Melodious Memories" *Finck*
 10.30.—Close down.

5NO NEWCASTLE. 400 M.

11.30-12.30.—Ernest Forster, Mary H. Smailes, Edison Phonograph.
 3.45-4.35.—Edna Sheard (Contralto), Hector Hall (Tenor), Annie Eckford (Solo Piano-forte).
 4.45-5.15.—WOMEN'S HALF-HOUR.
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.30.—Scholars' Half-Hour.
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 ARCHIBALD HADDON. *S.B. from London.* Local News.
 7.30.—THE "5NO" REPERTORY COMPANY.
 "ELDORADO."
 A Rural Play by Bernard Gilbert.
 The Action passes in Jim Watson's farmhouse, in the village of Carrington on a fine morning in March.
 Produced by GORDON LEA.

THE BAND OF H.M. GRENADIER GUARDS.

(By permission of Col. Sergison-Brooke, C.M.G., D.S.O.)
 Director of Music, Lieut. G. MILLER.
 MARGARET THACKERAY (Contralto).
 LAMBERT HARVEY (Tenor).
 ARTHUR LEWIS (Baritone) } Duettists
 8.0.—Band.
 Overture, "Carnaval Romain" ... *Berlioz*
 Piccolo Solo, Selected.
 8.15.—Margaret Thackeray.
 "A Summer Night" *Goring Thomas*
 "You Are All That Is Lovely" *Woodforde-Finden*
 "Spinning" *Coningsby Clarke*
 8.25.—Band.
 "Peer Gynt" Suite, No. 1 *Grieg*
 8.40.—Lambert Harvey and Arthur Lewis.
 "The Two Beggars" *Lane Wilson* (22)
 "The Battle Eve" *Thos. Bonheur*
 8.50.—Band.
 "The Swan Lake" *Tchaikovsky*
 Margaret Thackeray.
 9.5.—"Rose Petals" *Cecil Moon* (5)
 "Down the Burn" *Hook*
 9.10.—Band.
 Sixth Rhapsody, "Carnaval in Pesh" *Liszt*
 9.20.—Lambert Harvey and Arthur Lewis.
 "Flow Gently, Deva" *John Parry*
 "Larboard Watch" *Williams* (25)
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Sir HALFORD MACKINDER. *S.B. from London.* Local News.
 10.0.—Band.
 "Marche Militaire" *Schubert*
 Cornet Solo, "My Hero" ("The Chocolate Soldier") *Straus*
 "The Londonderry Air" *Percy Grainger*
 "Shepherd's Hey"
 Selection, "Coppélia" *Delibes*
 10.30.—Close down.

2BD ABERDEEN. 495 M.

3.30-5.0.—The Wireless Septet. Dorothy Lawrie (Contralto). Feminine Topics. Mrs. J. W. H. Trail on "Aberdeen and its Rulers."
 5.15-6.0.—CHILDREN'S CORNER.
 6.40-6.55.—The Rev. WALTER A. MURSELL on "Some Victorian Novelists—George Macdonald."

7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 ARCHIBALD HADDON. *S.B. from London.* Local News.

Scandinavian Night.

BESSIE JENKINS (Contralto).
 JOHN VAN ZYL (Bass).
 THE WIRELESS ORCHESTRA.
 7.30.—Orchestra.
 "Scandinavian Symphony" *Cowen*
 7.50.—Bessie Jenkins.
 "Sunset"
 "Autumn Storms" } *Grieg*
 8.0.—Orchestra.
 Overture, "Ossian" *Gade*
 8.15.—John Van Zyl.
 "I Love Thee"
 "Hunting Song"
 "Love"
 "The Old Song" } *Grieg* (5)
 8.25.—Orchestra.
 Selection, "Bellmaniana" *Soderman*
 8.40.—Bessie Jenkins.
 "Margaret's Cradle Song"
 "The First Meeting" } *Grieg*
 8.50.—Orchestra.
 Selection, "Svenska Folkvisor och Danser" *Ejdesten*
 9.5.—John Van Zyl.
 "A Woman"
 "Light" } *Sinding*
 9.15.—Bessie Jenkins.
 "Last Night"
 "Asleep" } *Kjerulf*
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Sir HALFORD MACKINDER. *S.B. from London.* Local News.
 10.0.—Orchestra.
 "Danslek wi Pan"
 "Vid Froso Kyrka" } *Berger*
 10.10.—John Van Zyl.
 "Nebbie"
 "Out of the Night" } *Respighi*
 10.20.—Orchestra.
 Serenade from "Fyra Danspoem"
 "Vid Larsmers" } *Berger*
 10.30.—Close down.

5SC GLASGOW. 420 M.

3.30-4.55.—Popular Afternoon.
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.5.—Weather Forecast for Farmers.
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 ARCHIBALD HADDON. *S.B. from London.* Local News.
 7.30.—Prof. PATERSON on "Agriculture."
 Play Night.
 THE STATION ORCHESTRA.
 Conducted by ISAAC LOSOWSKY.
 Orchestra.
 7.45.—Ballet Suite, "Fireflies" *M. Ewing*
 Intermezzo, "Down Vauxhall Way" *Oliver* (8)
 8.5.—"THAT BRUTE SIMMONS."
 A Play in One Act,
 By Arthur Morrison and Herbert C. Sargent.
 Produced by GEORGE ROSS and "5SC'S"
 REPERTORY COMPANY.
 8.30.—Orchestra.
 Ballet from "The Punch Bowl" N. O'Neill
 Symphonic Intermezzo *Borch*
 8.50.—THE SCOTTISH ORCHESTRA:
 Conducted by FELIX WEINGARTNER.
 Relayed from St. Andrew's Hall.
S.B. to Edinburgh, Dundee and Belfast.
 Symphony No. 9, "Choral" ... *Beethoven*
 9.55.—WEATHER FORECAST and NEWS. *S.B. to Belfast, Edinburgh and Dundee.*
 10.5.—Prof. R. S. RAIT, C.B.E., LL.D., on "History." *S.B. to Edinburgh.*
 10.20.—Local News.
 10.25.—Close down.

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WIRELESS PROGRAMME—WEDNESDAY (Dec. 3rd.)

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

2LO LONDON. 365 M.

- 3.15-3.45.—Talk to Schools: Mr. J. C. STOBART, "Stories in Poetry."
 4.0-5.0.—Time Signal from Greenwich. Concert: The "2LO" Trio and Rupert Pounds (Baritone). "My Part of the Country," by A. Bonnet Laird. "Winter Sports" (1), by Kathie Herrick.
 5.30-6.15.—CHILDREN'S CORNER: "Children in Other Lands: The Dutch," by J. St. Clair Henderson. "Cactus-Growing as a Hobby," by Beryl Wooldridge. Stella Freeman (aged 14): Recitations. Betty Hymans (aged 12): Songs and Stories.
 6.40.—Mr. C. Pollard Crowther on "Photography."
 7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. *S.B. to all Stations.*
 Mr. C. H. B. QUENNEL on "Everyday Life in the Middle Ages." *S.B. to all Stations except Manchester and Aberdeen.* Local News.

Chamber Music Evening.

- NORMAN NOTLEY (Baritone).
 EVELYN HOWARD-JONES (Solo Pianoforte).
 THE LADIES' STRING QUARTET. (EVELYN COOKE, DOROTHY CHURTON, GERTRUDE HOPKINS, EDITH CHURTON.)
 7.30. Norman Notley, accompanied by String Quartet.
 Evening Hymn Purcell
 Three Folk Songs (with String Quartet accompaniment) Wyatt Pargeter
 "Mowing the Barley."
 "O Waly Waly."
 "Strawberry Fair."
 Evelyn Howard-Jones.
 Sonata Appassionata, Op. 57, in F Minor
 Beethoven
 Allegro; Assai; Andante con moto (Variazione); Allegro ma non troppo; Presto.
 8.0.—"From My Window," by Philemon.
 8.5. The Ladies' String Quartet.
 Three Idylls for String Quartet
 Frank Bridge
 Norman Notley.
 "Après un Rêve" Faure
 Berceuse Rhene-Baton
 "Sea Fever" John Ireland
 "Hymn to Light" John Ireland
 3.55. Evelyn Howard-Jones.
 Three Preludes Debussy (17)
 Liebestraume Liszt
 Waldesrauschen Liszt
 Rhapsody No. 8 in F Liszt
 3.0. Mrs. KENDAL and Lady TREE in "GRANNY'S JULIET."
 (For particulars see Centre Column.)
 9.30.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. *S.B. to all Stations except Bournemouth.*
 "The Week's Work in the Garden," by the Royal Horticultural Society. *S.B. to all Stations except Bournemouth.*
 Miss LILIAN BAYLIS, B.A., on "The Art of Living." *S.B. to other Stations.* Local News.
 10.5.—THE SAVOY ORPHEANS AND SAVOY HAVANA BANDS, relayed from the Savoy Hotel. *S.B. to all Stations.*
 10.30 and 10.50.—LAYTON AND JOHNSTONE, the Celebrated American Duet-tists. *S.B. to all Stations.*
 11.0.—Close down.

5IT BIRMINGHAM. 475 M.

- 3.30-4.30.—Lozells Picture House Orchestra: Dora Callear (Contralto).
 5.0-5.30.—WOMEN'S CORNER: L. M. Blackledg (of the Juvenile Department, Birmingham Education Committee), on

"Granny's Juliet."

A Comedy in One Act by Herbert Swears.
 (S.B. to all Stations.)
 9.0-9.30.

Mrs. Paynter Lady TREE
 Muriel Miss ALLISON LEGGAT
 The Countess of Milbourne Mrs. KENDAL
 Scene: The small drawing-room at Milbourne D'Arcy.
 Produced under the Direction of Mrs. KENDAL.

- "The Gum, Hollow-ware, and Steel Metal Trades." Helen de Frey (Soprano).
 5.30-6.30.—CHILDREN'S CORNER.
 6.30-6.45.—"Teens' Corner: Uncle Felix on "Life in Japan."
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Mr. C. H. B. QUENNEL. *S.B. from London.* Local News.
 7.30.—Lecture by Principal GRANT ROBERTSON (Principal of Birmingham University) on "International Relations and the Birmingham Cosmopolitan Club." Relayed from the Cosmopolitan Club.
 8.0. Radio-Fantasy No. 2. "LIFE'S SLUMBER TIME." (John Overton.)
 Music selected and arranged by JOSEPH LEWIS.
 Characters.
 (In their order of appearance.)
 A Wood-Cutter.....JOSEPH LEWIS
 Chorus.....WILLIAM MACREADY
 An Old Shepherd }
 John o' Dreams } ... PERCY EDGAR
 9.0.—Mrs. KENDAL and Lady TREE in "GRANNY'S JULIET." *S.B. from London.*
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Royal Horticultural Society Talk. *S.B. from London.* Local News.
 Miss LILIAN BAYLIS. *S.B. from London.* Local News.
 10.5.—THE SAVOY BANDS. *S.B. from London.*
 LAYTON AND JOHNSTONE. *S.B. from London.*
 11.0.—Close down.

6BM BOURNEMOUTH. 385 M.

- 3.0-3.20.—"Service for the Sick." Solos by Mary Lohden (Mezzo-Soprano). Address by the Rev. S. W. Allen.
 3.30-5.0.—The "6BM" Trio: Reginald S. Mouat (Violin), Thomas E. Illingworth (Violoncello), Arthur Marston (at the Piano). Herbert Smith (Baritone). John Boorman (Tenor). Talk to Women: "Gardening" by George Dance.
 5.0-6.0.—CHILDREN'S CORNER.
 6.0-6.30.—Scholars' Half-Hour: Mr. Till—"Art of Scandinavia" (No. 1).
 6.30-6.45.—Station Talk by Bertram Fryer (Station Director).
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Mr. C. H. B. QUENNEL. *S.B. from London.* Local News.
 7.30-8.0.—Interval.

Winter Gardens Night.

- THE MUNICIPAL ORCHESTRA:
 Conducted by Sir DAN GODFREY.
 Relayed from the Winter Gardens.
 8.0. Orchestra.
 Grand March, "The Queen of Sheba"
 Gounod
 Overture, "Rienzi" Wagner
 "Valse Triste" Sibelius
 AGNES YORK.
 Selected.
 PHIL LEDINGTON.
 Cornet Solo.
 Orchestra.
 Selection, "Madame Pompadour" .. Fall

- 8.50. ERNEST EADY (Baritone).
 "Till Death" Mascheroni
 (With Violin and Violoncello Obligato.)
 8.55. THE "6BM" TRIO:
 REGINALD S. MOUAT (Violin);
 THOMAS E. ILLINGWORTH
 (Violoncello);
 ARTHUR MARSTON (at the Piano).
 First Movement of D Minor Trio
 Mendelssohn
 9.0.—Mrs. KENDAL and Lady TREE in "GRANNY'S JULIET." *S.B. from London.*
 9.30. Orchestra.
 Ballet Music, "Faust" Gounod
 Phil Ledington.
 Selected Cornet Solo.
 Agnes York.
 Selected.
 Orchestra.
 Selection, "Tom Jones" E. German
 10.0.—WEATHER FORECAST and NEWS. Local News.
 10.15.—THE SAVOY BANDS. *S.B. from London.*
 LAYTON AND JOHNSTONE. *S.B. from London.*
 11.0.—Close down.

5WA CARDIFF. 351 M.

- 3.0-4.0.—Falkman and his Orchestra relayed from the Capitol Cinema.
 5.0-5.45.—"5WA'S" "FIVE O'CLOCKS."
 5.45-6.30.—CHILDREN'S CORNER.
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Mr. C. H. B. QUENNEL. *S.B. from London.* Local News.
 THE STATION ORCHESTRA:
 Conductor.
 WARWICK BRAITHWAITE.
 NORMAN WRIGHT } Entertainers.
 SIDNEY EVANS }
 7.30. Orchestra.
 "Penguin Dance" Byng (1)
 "Smithy in the Woods" Michaelis (6)
 Nigger Sketch, "Down South" Myddleton
 Sidney Evans and Norman Wright.
 Two Entertainers and One Piano.
 "HERO AND HEROINE."
 A Modern One-Act Play by Herbert Swears.
 Characters:
 The Hero.
 The Heroine.
 Scene: Their Cottage on the Surrey side.
 Orchestra.
 Intermezzo, "In a Monastery Garden"
 Ketelbey
 Piccolo Solo, "Lilliputian" .. Brewer (1)
 9.0.—Mrs. KENDAL and Lady TREE in "GRANNY'S JULIET." *S.B. from London.*
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Royal Horticultural Society Talk. *S.B. from London.*
 Miss LILIAN BAYLIS. *S.B. from London.* Local News.
 10.5.—THE SAVOY BANDS. *S.B. from London.*
 LAYTON AND JOHNSTONE. *S.B. from London.*
 11.0.—Close down.

2ZY MANCHESTER. 375 M.

- 3.0-3.30. } Music relayed from the Piccadilly
 4.0-4.30. } Picture Theatre.
 3.30-4.0.—Mr. E. G. Hodgkinson, B.A., of Crewe County Secondary School: Readings. Extract from "A Midsummer Night's Dream," and "The Legend of Montrose," by Sir Walter Scott. Broadcast to Primary Schools.
 4.30-5.0.—WOMEN'S HALF-HOUR: Dolores Barlow.
 5.0-6.0.—CHILDREN'S CORNER.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 449.

WIRELESS PROGRAMME—WEDNESDAY (Dec. 3rd.)

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

6.30-6.55.—Prof. T. H. PEAR, M.A., B.Sc.:
"What is Psychology?—(2) Glimpses of the Mind at Work."
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
Local News.
7.15-7.30.—Interval.

7.30. **Request Night.**
THE "2ZY" AUGMENTED ORCHESTRA.
Conductor, T. H. MORRISON.
CARMEN HILL (Mezzo-Soprano).
DOROTHY ROBSON (Soprano).
Orchestra.
Overture, "Mignon"..... *Ambroise Thomas*
"Valse Triste"..... *Sibelius*
Selection, "The Tales of Hoffmann"
Offenbach
Mezzo-Soprano Solos.
"Life and Death"..... *Coleridge-Taylor*
"Absent"..... *Metcalf*
Orchestra.
Selection, "Merrie England"..... *German*
Soprano Solos.
"Some Day Waiting Will End"..... *J. Caryl*
"The Reason"..... *T. del Riego*
Orchestra.
Serenade for Strings..... *Toselli*
Prelude in C Sharp Minor..... *Rachmaninov*
Mezzo-Soprano Solos.
"A Little Twilight Song"..... *Coningsby Clarke*
"Unmindful of the Roses"..... *Herman Lohr*
"Songs My Mother Sang"..... *Grimshaw (1)*
Orchestra.
Tone Poem, "Finlandia"..... *Sibelius*
Soprano Solos.
"Someone"..... *Besty (1)*
"Wonderful Garden of Love"
Kennedy Russell

9.0.—Mrs. KENDAL and Lady TREE in
"GRANNY'S JULIET." *S.B. from London.*
9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Royal Horticultural Society Talk. *S.B. from London.*
Miss LILIAN BAYLIS. *S.B. from London.*
Local News.
Orchestra.

Overture, "1812"..... *Tchaikovsky*
A Musical Interlude by "U.S."
10.30.—THE SAVOY BANDS. *S.B. from London.*
LAYTON AND JOHNSTONE. *S.B. from London.*
11.0.—Close down.

5NO NEWCASTLE. 400 M.
3.45-4.45.—The Station Septet. Conductor, Edward Clark.
4.45-5.15.—WOMEN'S HALF-HOUR: The Rev. Arthur Robins on "State Education for the Child." Isabel Spence (Soprano).
5.15-6.0.—CHILDREN'S CORNER.
6.0-6.30.—Scholars' Half-hour.
6.45.—Farmers' Corner: Prof. Gilchrist, Seasonable Notes.
7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
Mr. C. H. B. QUENNELL. *S.B. from London.* Local News.

Operatic Selections.
ERNEST J. POTTS (Bass).
EDA BENNIE (Soprano).
GEORGE HODGSON (Tenor).
THE STATION ORCHESTRA.
Conductor, EDWARD CLARK.
7.30. Orchestra.
Overture, "Peter Schmolli"..... *Weber*
7.40. Eda Bennie.
Polonaise, "I Am Titania" ("Mignon")
Ambroise Thomas
"Oh, My Beloved Father" ("Gianni Schicchi")
Puccini
Doll Song ("The Tales of Hoffmann")
Offenbach

7.50. Ernest J. Potts (Bass).
"O Isis and Osiris" } "The Magic Flute"
"Within the Hallow'd Dwelling"..... *Mozart*
"Now Your Days of Philandering are Over"
("The Marriage of Figaro")... *Mozart*
8.0. Orchestra.
8.0. Ballet Music, "Faust"..... *Gounod*
8.10. George Hodgson.
"Beloved Swan" ("Lohengrin")... *Wagner*
"Soft and Pure Freight with Love"
("Martha")..... *Flotow*
8.20. Orchestra.
8.20. Good Friday Music, "Parsifal".... *Wagner*
8.30. Eda Bennie.
Bolero, "Son Vergin Vezzosa" ("I Puritani")
..... *Bellini*
"One Fine Day" ("Madame Butterfly")
Puccini

8.40. George Hodgson.
"When a Charmer Would Win Me"
("Rigoletto")..... *Verdi*
Prize Song ("The Mastersingers") *Wagner*
8.50. Orchestra.
Overture, "Les Dragons de Villars"
Maillart

8.55. Ernest J. Potts.
"Star of Eve" ("Tannhäuser")... *Wagner*
"Rest I've None by Night or Day" ("Don Giovanni")
..... *Mozart*
Vulcan's Song ("Philemon et Baucis")
Gounod

9.0.—Mrs. KENDAL and Lady TREE in
"GRANNY'S JULIET." *S.B. from London.*
9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Royal Horticultural Society Talk. *S.B. from London.*
Miss LILIAN BAYLIS. *S.B. from London.*
Local News.

10.5.—THE SAVOY BANDS. *S.B. from London.*
LAYTON AND JOHNSTONE. *S.B. from London.*
11.0.—Close down.

2BD ABERDEEN. 495 M.
3.30-5.0.—Popular Afternoon: The Wireless Septet. Bonaccord Entertainers (Clarinet Section). Feminine Topic: Mrs. Lachlan Mackinnon on "Looking Ahead to Christmas."
5.30-6.0.—CHILDREN'S CORNER: Miss E. Barnett, B.Sc., "Wonder-Tales of the North."
6.40.—Mr. Eugen Deith, Ph.D., 7th Lecture on German.
7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
"C. D." looks out on the World.
Local News.

Music and Songs of the Sea.
"There is society where none intrudes
By the deep sea and music in its roar."
—BYRON
REGINALD WHITEHEAD (Bass).
BAND OF H.M. GRENADIER GUARDS.
(By kind permission of Col. Sergison-Brooke, C.M.G., D.S.O.)
Conductor, Lieut. G. MILLER.
THE WIRELESS ORCHESTRA.
Band.
7.30. The Regimental March of the Royal Marines, "A Life on the Ocean Wave" (1)
Overture, "The Flying Dutchman" *Wagner*
Naval Patrol, "Britain's First Line"
Williams

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

7.45. Reginald Whitehead.
"The Glory of the Sea".... *Sanderson (1)*
"The Gallant Salamander".... *Barnard (5)*
"Three Songs of the Sea"..... *Quilter (24)*
8.0. Band.
Fantasia, "A Voyage on a Troopship"
Miller
"Colonial Song"..... *Grainger*
"Molly on the Shore"..... *Grainger*
8.15. Orchestra.
Overture, "A Calm Sea and a Prosperous Voyage"
..... *Mendelssohn*
"Sea Sheen"..... *Fogg*
8.30. Reginald Whitehead.
"Nelson's Gone A-Sailing"..... *Lohr*
"Drake's Drum"
"The Old Superb"
..... *Stanford (1)*

8.45. Band.
Selection, "Tristan and Isolde".... *Wagner*
Duet, "A Night in Venice".... *Lucanton*
(Musician W. WEST and Band Sergt. A. J. COBB.)

9.0.—Mrs. KENDAL and Lady TREE in
"GRANNY'S JULIET." *S.B. from London.*
9.30.—WEATHER FORECAST and NEWS.
S.B. from London.

Royal Horticultural Society Talk. *S.B. from London.*
Miss LILIAN BAYLIS. *S.B. from London.*
Local News.
10.5.—THE SAVOY BANDS. *S.B. from London.*
LAYTON AND JOHNSTONE. *S.B. from London.*
11.0.—Close down.

5SC GLASGOW. 420 M.
3.30-4.30.—Broadcast to Schools: Talks on Literature (Poetry and Light Prose) and Music. Quartet.
4.0-5.0.—Quartet. J. McGillivray (Baritone). Afternoon Talks.
5.15-6.0.—CHILDREN'S CORNER: Singing Lesson by Auntie Cyclone.
6.0-6.5.—Weather Forecast for Farmers.
6.40-6.55.—Miss Rosaline Masson on "R. L. Stevenson." *S.B. from Edinburgh.*
7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
Mr. C. H. B. QUENNELL. *S.B. from London.*
Local News.

7.30.—D. MILLAR CRAIG on "The History of Opera."

Musical Comedy Night.
THE STATION ORCHESTRA.
Conducted by
HERBERT A. CARRUTHERS.
JOHN VAN ZYL (Baritone).
Orchestra.
7.45. Overture, "The Arcadians"
Monckton and Talbot
Selection, "A Southern Maid"
Fraser-Simson
Selection, "Tina"..... *Rubens and Wood*
8.15. Baritone Solos.
Songs from well-known Musical Comedies.
8.30. Orchestra.
Selection, "The Merveilleuses".... *Felix*
8.45.—Lord SANDS on "Church Union."
Relayed from the Grosvenor Restaurant.
9.0.—Mrs. KENDAL and Lady TREE in
"GRANNY'S JULIET." *S.B. from London.*
9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
Royal Horticultural Society Talk. *S.B. from London.*
Miss LILIAN BAYLIS. *S.B. from London.*
Local News.
10.5.—THE SAVOY BANDS. *S.B. from London.*
LAYTON AND JOHNSTONE. *S.B. from London.*
11.0.—Close down.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 445.

THE CHILDREN'S CORNER. CONDUCTED BY THE AUNTS AND UNCLES.

Some Clever Little Broadcasters.



AT THE LONDON STUDIO.

Here you see some clever young people who are going to broadcast next week. Their names are as follows: In the top row, reading from left to right, Lance White, aged 8, reciting on Friday; Stella Freeman, aged 14½, reciting on Wednesday; Doreen Wood, aged 14, playing the piano on Saturday; Eric Simco, aged 13, singing on Tuesday. Second row: Carmelita Lawless, aged 15, playing the piano on Friday; Betty Hymans, aged 12, singing on Wednesday. Third row: Mary Locke, aged 14½, playing the piano on Monday; Hylda Davy, aged 11, reciting on Tuesday; Sydney Smith, aged 15, singing on Thursday; Nettie Vallance, aged 14, playing the piano and violin on Thursday; Winnie Harding, aged 15, reciting on Saturday; Thelma Hughes, aged 6, reciting on Monday.

THE FLYING BEAR.

By LANGFORD REED.



Tatiana travelled by aeroplane. a point of calling upon him to pay my respects. He knows me now, and looks at me as if he would like to give me a good, affectionate hug. But perhaps it is as well he cannot, for it might not be of the avuncular kind.

Avuncular means with reference to an uncle, though you'd never think so to look at it, for it seems as if it ought to have something to do with the position of things, like perpendicular.

However, when you next write to your uncle, if you address him as "My Dear Avuncular Relation," you will be quite correct, though he will, probably, be greatly surprised.

But to return to the bear. He's a busy old

fellow, and when he's not feeding, or helping his amiable wife wash the youngsters, or sleeping, he employs himself by walking up and down, which he can do both ways.

If this sounds confusing, perhaps this quaint limerick, which I came across the other day, may make it clear:—

There was an old bear at the Zoo,
Who loved having something to do.
When it tired him, you know,
To walk to and fro,
He reversed it and walked fro and to.

Talking about intelligent bears, a few months ago a bright little bear actually had a ride in an aeroplane, and, what is more, enjoyed it. The name of this fortunate youngster is Tatiana, which is rather like that of Titania, the Queen of the Fairies, but it's the only fairy-like thing about her.

She had to travel from Moscow, in Russia, to Berlin, the capital of Germany, where she is now living at the Berlin Zoo, and as there was not a good service of trains, and it was rather too far to walk, an aeroplane was placed at her disposal.

At first, she thought she might be too heavy, but rejoiced, exceedingly, when the pilot said:—

"To carry an elephant I would not dare,
But four bears your size I would never for-
bear."

Tatiana enjoyed the trip immensely, and got on splendidly with the pilot, which was a very good thing, for it is much more dangerous to

fall out during an aeroplane ride than it is when on the ground.

She has been in her new home some months now. There is a bear-pit there, as in the London Zoo, but however high the other bears climb, she will be able to boast that no bear has ever been so high in the world as she. But I do hope she will not boast about it too much, for that would be unbearable. And I am sorry she is not at the London Zoo, for then you would have been able to see her.

However, you can see the other bear I told you about, the one resembling my Great-uncle Herbert.

If you make a noise like a nephew or niece and throw him a bun, with plenty of currants in it, he'll be awfully pleased to see you.

JOLLY BOOKS FOR CHRISTMAS.

No Christmas stocking is complete without at least one book, and two of this year's favourites will be "Hullo Boys!" and "Hullo Girls!" the jolly annuals which the "Aunties" and "Uncles" have written. They are full of pictures and stories, and only cost three shillings each.

They are published by Cecil Palmer, who calls our attention to an error in "Hullo Girls!" The contribution of Auntie Cyclone, of Glasgow, has been attributed to Auntie Sheila. The same applies to the portrait of Auntie Cyclone. So remember this when you are reading "Hullo Girls!"

WIRELESS PROGRAMME—THURSDAY (Dec. 4th.)

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

2LO LONDON. 365 M.

1.0-2.0.—Time Signal from Greenwich. The Week's Concert of Gramophone Records.
 3.15-3.45.—Transmission to Schools: Prof. A. J. IRELAND on "Lives of Great Men."
 4.0-5.0.—Time Signal from Greenwich. Concert: The "2LO" Trio and Sidney Avron (Baritone). "Some Reflections on Mirrors," by (Miss) Violet M. Methley. "Pictures of Prehistoric Man—(3), Iver Buries his Deed," by Mr. Edward J. Burrow, F.R.G.S.
 5.30-6.15.—CHILDREN'S CORNER: Sydney Smith (aged 15), Songs; Nettie Vallance (aged 14), Violin Solos. "A Double Dutch Story," by Winifred Pares, from Blackie's Children's Annual. "A Much Travelled Fruit," by Theodore Ruete.
 6.40-6.55.—Boy Scouts' and Girl Guides' Bulletins. 6th South Kensington Brownie Pack Meeting at "2LO."
 7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. *S.B. to all Stations.* Talk by the Radio Society of Great Britain. *S.B. to all Stations.*
 Mrs. HUGH SPENDER: "A Visit to Buda-Pesth." *S.B. to all Stations.* Local News.
 7.35.—"THE ROSE OF PERSIA." (For particulars see centre column.)
 9.30.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. *S.B. to all Stations except Birmingham.* Topical Talk. Local News.
 10.0.—"The Rose of Persia" (Continued).
 10.30.—Close down.

5IT BIRMINGHAM. 475 M.

3.30-4.30.—The Station Pianoforte Quintet. Georgina Tanner (Soprano) in a Recital of Old French and Italian Music.
 5.0-5.30.—WOMEN'S CORNER: Gertrude Davies (Soprano). Geoffrey Dams (Tenor).
 5.30-6.30.—CHILDREN'S CORNER.
 6.30-6.45.—"Teens' Corner: Mabel France—"The Road to Riches."
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Mrs. HUGH SPENDER. *S.B. from London.* Local News.

7.35. "Bethlehem."
 A Choral Drama.
 The Libretto adapted from the Coventry Nativity Play.
 Music by Rutland Boughton.
 Relayed from the Town Hall.

Cast:
 The Virgin Mary ... ELSIE SUDDABY
 Gabriel ... EMILY BROUGHTON
 Joseph ... JOSEPH FARRINGTON
 Herod ... WILLIAM HESELTINE
 Herodias ... DOROTHY D'ORSAY
 Jem ... (Three { ... HAROLD HOWES
 Sym ... { GEOFFREY DAMS
 Dave ... { Shepherds) { ... JAMES HOWELL
 First Angel ... EDITH PADDOCK
 Second Angel ... WINIFRED MORRIS
 The Believer ... ISABEL TEBBS
 The Unbeliever ... GEOFFREY DAMS
 Zarathustra (The { ... HAROLD HOWES
 Nubar ... { Wise { GEOFFREY DAMS
 Merlin ... { Men) { ... JAMES HOWELL
 Calchas, the Herald ... HAROLD CASEY
 Angels' Chorus ... THE "5IT" OCTET
 CHORUS OF
 THE CITY OF BIRMINGHAM CHOIR
 and

"5IT" REPERTORY COMPANY,
 THE STATION SYMPHONY
 ORCHESTRA.
 (Leader—FRANK CANTELL.)
 Produced and Conducted by
 JOSEPH LEWIS.

"The Rose of Persia,"

A Comic Opera in Two Acts
 by Basil Hood and Arthur Sullivan.
 Relayed from London.
*S.B. to Bournemouth, Cardiff, Newcastle
 and Aberdeen.*
 7.35-9.30 and 10.0-10.30.

Cast:
 The Sultan Mahmoud of Persia
 STUART ROBERTSON
 Hassan (a Philanthropist)
 FREDERIC LLOYD
 Yussuf (a Professional Story-Teller)
 SYDNEY COLTHAM
 Abdallah (a Priest) ... KENNETH ELLIS
 The Grand Vizier ... JOHN BUCKLEY
 The Physician-in-Chief EDWARD LEER
 The Royal Executioner STANLEY RILEY
 The Sultana Zubeydeh (named Rose-in-Bloom) ... OLIVE STURGESS
 Scent-of-Lilies } (Her Favourite Slaves) } VIVIENNE CHATTERTON
 Heart's Desire } } GLADYS NEWTH
 Honey-of-Life } } DOROTHY BENNETT
 Dancing Sunbeam (Hassan's First Wife)
 GLADYS PALMER
 Blush-of-Morning (his Twenty-fifth Wife)
 MARGUERITE DAVIS

THE WIRELESS ORCHESTRA:
 Under the Direction of L. STANTON-JEFFERIES.

Act I. Court of Hassan's House.
 Act II. Audience Hall of the Sultan's Palace.

Stage Manager, FREDERIC LLOYD.
 Produced by L. STANTON-JEFFERIES.

10.0.—WEATHER FORECAST and NEWS.
 Local News.
 10.20.—Close down.

6BM BOURNEMOUTH. 385 M.

3.30-5.0.—The Wireless Orchestra: Conducted by Capt. W. A. Featherstone. Joan Hastings (Songs at the Piano). Talk to Women: "London Papers," by Anne Farnell-Watson.
 5.0-5.55.—CHILDREN'S CORNER.
 5.55-6.0.—Boy Scouts' and Girl Guides' Bulletins.
 6.0-6.30.—Scholars' Half-Hour: Mr. H. Hill on "Citizenship."
 6.30-6.45.—Farmers' Talk: Mr. R. E. Bennett on "The Management of a Dorset Horn Flock."
 7.0-10.30.—The entire Programme *S.B. from London.*

5WA CARDIFF. 351 M.

3.0-4.30.—The Station Orchestra: Conductor: Warwick Braithwaite. Helen de Frey (Soprano).
 5.0-5.45.—"5WA'S" "FIVE O'CLOCKS": Vocal and Instrumental Artists. Mr. Isaac J. Williams, Keeper of Art, The National Museum of Wales. Mr. Arthur Short, Deputy Camp Chief, will talk to Boy Scouts.
 5.45-6.30.—CHILDREN'S CORNER.
 6.30-6.45.—Dr. Jas. J. Simpson, M.A., D.Sc., "Romances of Natural History."
 7.0-10.30.—The entire Programme *S.B. from London.*

2ZY MANCHESTER. 375 M.

11.30-12.30.—Concert by the "2ZY" Quartet.
 4.30-5.0.—WOMEN'S HALF-HOUR. Miss S. H. Fry on "The House we Should Like to Build."

5.0-6.0.—CHILDREN'S CORNER.
 6.30-6.35.—Boy Scouts' and Girl Guides Bulletins.
 6.35-6.55.—Prof. H. S. Raper, C.B.E., D.Sc., M.B., on "Food and its Uses in the Body—(3), Vitamines and their Functions."
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Mrs. HUGH SPENDER. *S.B. from London.* Local News.

Glees—Part Songs—Choruses—A Play.
 THE "2ZY" OPERA CHORUS.
 Conductor: SAM H. WHITTAKER.

Soloists:
 GWEN CLARKE (Soprano).
 CLARA CHAMBERS (Soprano).
 EDITH FLETCHER (Soprano).
 ELSIE BOARDMAN (Contralto).
 HAROLD MARSDEN (Tenor).
 HERBERT RUDDOCK (Bass).
 JOHN REID (Baritone).
 At the Piano: HERBERT FOX.
 Notes by JOHN RUSSELL.

THE "2ZY" MERMAID CLUB.
 7.35.—Glee, "With Drooping Wings" Purcell (11)
 Chorus, "Calm is the Glassy Ocean" Mozart (11)
 Glee, "Up! Up! Ye Dames" Macfarren (11)
 Glee, "How I Love the Festive Boy" Mackenzie (11)
 Trio for Three Sopranos, "Monster of Night" ("The Magic Flute") ... Mozart
 Baritone Solo: Aria, "All Confess the Tender Passion" ("The Magic Flute") Mozart
 Chorus, "Forth to the Meadow" Schubert (11)
 Chorus, "Blossoms Born of Teeming Springtime" ... Dvorak
 Tenor Solo, "Heaven and Ocean" ("Le Gioconda") ... Ponchielli
 Gwen Clarke and Chorus, "Easter Hymn" Mascagni

8.25. The "2ZY" Mermaid Club.
 "AUGUSTUS IN SEARCH OF A FATHER"
 (Harold Chapin).
 Directed by KIT MARLOWE.

9.0.—Part Song, "I Love the Jocund Dance" Corder (11)
 Part Song, "Meg Merrilies" Boughton (11)
 Bass Solo and Chorus, "The Calf of Gold" ("Faust") ... Gounod
 Contralto Solo and Chorus, "The Zithers Tinkled Music Sweet" ("Carmen") Bizet
 Chorus, "Bridal Chorus" ("Lohengrin") Wagner
 Chorus, "Challenge of Thor" ("King Olaf") ... Elgar (11)

9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Topical Talk. Local News.

10.0.—Chorus, "To Woden's Hall" Purcell (11)
 Glee, "Swiftly from the Mountain's Brow" Webbe (11)
 Glee, "From Oberon in Fairyland" Stevens (11)
 Bass Solo and Chorus, "The King's Prayer" ("Lohengrin") ... Wagner
 Part Song, "To Daffodils" Roger Quilter (1)
 Glee, "Come, Let Us Join" ... Beale (11)
 Glee, "Strike the Lyre" ... Cooke (11)
 10.30.—Mr. W. F. BLETCHER, Examiner in Spanish to the U.L.C.I., Spanish Talk.
 11.0.—Close down.

5NO NEWCASTLE. 400 M.

11.30-12.30.—Crosse's Clarinet Quartet. Mary Ryan (Soprano). Edison Phonograph.
 (Continued in column 3, page 449.)

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 449.

WIRELESS PROGRAMME—FRIDAY (Dec. 5th.)

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

2LO LONDON. 365 M.

- 1.0-2.0.—Time Signal from Greenwich. Concert: The "2LO" Trio and Margot Rielli (Contralto).
- 3.15-3.45.—Transmission to Schools: French Talk under the auspices of L'Institut Français.
- 4.0-5.0.—Time Signal from Greenwich. "Thinking of the Ganges," by Stan Harding. Phyllis Nash (Solo Violin). Voice Production and Diction, by Marion McCarthy. Organ Music relayed from Shepherd's Bush Pavilion.
- 5.30-6.15.—CHILDREN'S CORNER: Carmelita Lawless (age 15)—Pianoforte Solos. Lance White (age 8)—Recitations. Round the Islands of Great Britain: "The Shetlands."
- 6.40.—Miss Ella MacMahon: "Downing Street."
- 7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. *S.B. to all Stations.*
G. A. ATKINSON, "Seen on the Screen." *S.B. to all Stations.* Local News.

- 7.30. **Orchestral Evening.**
HILDA ATKINSON (Harpist and Soprano).
IVOR WYNNE (Bass-Baritone).
HARRY RICE (Entertainer).
"QUIPS."
THE AUGMENTED WIRELESS ORCHESTRA:
Conducted by DAN GODFREY, Junr.
The Orchestra.
Overture, "Orpheus in the Underworld" *Offenbach*
"Ballet Egyptien" *Luigini*
Hilda Atkinson.
Songs at the Harp.
"Vale" *Kennedy Russell*
"Sing, Joyous Bird" *Montague Phillips*
Ivor Wynne.
"The Homeland Hills" *Sanderson (1)*
"The Bachelor's Ship" *Richards*
The Orchestra.
Selection, "Rigoletto" *Verdi*
Harry Rice
in "A Whiff of Dartmoor."
Hilda Atkinson, with Orchestra.
Concertstück for Harp and Orchestra *Pierne*
Ivor Wynne.
"The Song of the Lighthouse Bell" *Petrie*
"The Rover" *Barker*
The Orchestra.
The Unfinished Symphony *Schubert*
9.30.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. *S.B. to all Stations.*
Ministry of Health Talk: Sir GEORGE NEWMAN, K.C.B., M.D., F.R.S.E., on "The Public Health Problem of Tuberculosis." *S.B. to all Stations.*
Local News.
10.0. The Orchestra.
Overture, "Ruddigore" *Sullivan*
"Quips."
"The World in Anecdote—(4), The Rising Generation."
The Orchestra.
Selection, "The Street Singer" *Fraser-Simson*
10.30.—Close down.

5IT BIRMINGHAM. 475 M.

- 3.30-4.30.—Lozells Picture House Orchestra. Nan Deighton (Soprano). Sidonie Wasserman (Solo Pianoforte).
- 5.0-5.30.—WOMEN'S CORNER: A. M. Shepherd, "Myths of the Commonplace—Water Lore." Isabel Tebbs (Soprano).
- 5.30-6.30.—CHILDREN'S CORNER.
6.30-6.45.—"Teens' Corner" Cyril Midgley, B.Sc., F.R.G.S., "Travellers' Tales—(1), With Pytheas to the Land of Ultima Thule."

- 6.45-7.0.—For Allotment and Smallholders.
7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
G. A. ATKINSON, *S.B. from London.*
Local News.

- 7.30. **Another Request Night.**
THE STATION ORCHESTRA.
FLORENCE CLEETON (Soprano).
CARMEN HILL (Contralto).
INGRAM BENNING (Tenor).
THE "5IT" MALE VOICE QUARTET.
ALICE COUCHMAN (Solo Pianoforte).
EDITH JAMES (Songs at the Piano).
Interested Listeners are requested to forward titles of any favourite numbers to us, and, as far as time permits, we will endeavour to include them in our Request Programme.
- 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
Sir GEORGE NEWMAN, *S.B. from London.* Local News.
- 10.0.—Request Programme (Continued).
10.30.—Close down.

6BM BOURNEMOUTH. 385 M.

- 3.0-5.0.—Educational Talk: C. WHITAKER-WILSON—Music—(2) Mendelssohn.
The "6BM" Trio. Madoc Davies (Baritone). Rutland Osborne (Entertainer). Talk to Women: "Photography," by Miss Penrice.
- 5.0-6.0.—CHILDREN'S CORNER.
6.0-6.30.—Scholars' Half-Hour: Miss K. E. Brooks—"The Holy Grail" (Tennyson).
- 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
G. A. ATKINSON, *S.B. from London.*
Local News.

Byrd 1538-1623—Purcell 1658-1695—Arne 1710-1778.

- KATE WINTER (Soprano).
GLADYS PALMER (Contralto).
SYDNEY COLTHAM (Tenor).
HAROLD WILLIAMS (Baritone).
ANNE FARNELL-WATSON (Solo Harpsichord).
THE WIRELESS STRING ORCHESTRA
Conducted by
Capt. W. A. FEATHERSTONE.
Orchestra.
- 7.30. Incidental Music to "Distressed Innocence" or "The Princess of Persia" *Purcell (11)*
(A Tragedy by Elkanah Settle, produced in 1690.)
Kate Winter, Gladys Palmer, Sydney Coltham, Harold Williams.
"Is Love a Boy?" }
"Boy, Pity Me" } *Byrd (15)*
"Wounded I Am" }
"Yet of Us Twain" }
Anne Farnell-Watson.
Harpsichord Solos *Purcell (11)*
- 8.0. Sydney Coltham.
"Under the Greenwood Tree" *Arne (1)*
"We All Love a Pretty Girl Under the Rose" *Arne (1)*
Kate Winter.
"Not on Beds of Fading Flowers" } *Arne*
"Arise, Sweet Messenger of Morn" } (15)
Harold Williams.
"The Soldier Tired of War's Alarms" *Arne (1)*
Orchestra.
Incidental Music to "The Double Dealer" *Purcell (11)*
(A Comedy by "Congreve" produced in 1693.)
- 8.30.—Kate Winter, Gladys Palmer, Sydney Coltham, Harold Williams.
"From Citheron the Warlike Boy is Fled" }
"There Careless Thoughts are Freed" } *Byrd (15)*
"If Love Be Just" }
"While That the Sun" }

- Anne Farnell-Watson.
Harpsichord Solos *Purcell (11)*
Orchestra.
Incidental Music to "The Faerie Queen" *Purcell*
(An Allegorical Poem by Edmund Spenser.)
9.0. Harold Williams.
"Blow, Blow, Thou Winter Wind" *Arne (1)*
"Hear, Ye Gods of Britain" *Purcell (11)*
Gladys Palmer.
"Where the Bee Sucks" }
"Now Phoebus Sinketh in } *Arne (1)*
the West" }
Orchestra.
Incidental Music to "Bonduca" or "The British Heroine" *Purcell (11)*
(An anonymous alteration of a Tragedy by Beaumont and Fletcher.)
- 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
Sir GEORGE NEWMAN, *S.B. from London.* Local News.
- 10.0. Sydney Coltham.
"I Attempt from Love's" }
Sickness to Fly" } *Purcell (11)*
"Passing By" }
Kate Winter.
"Sleep, Gentle Cherub, Sleep Descend" } *Arne (15)*
"Oh Come, Oh Come, My Dearest" }
Gladys Palmer and Quartet.
"Britons, Strike Home" *Purcell (11)*
Harold Williams and Quartet.
"Rule, Britannia" *Arne (1)*
- 10.30. THE ROYAL BATH HOTEL DANCE ORCHESTRA.
Relayed from King's Hall Rooms.
Musical Director—DAVID S. LIFF.
- 11.0.—Close down.

5WA CARDIFF. 351 M.

- 3.0-3.30.—Transmission to Schools.
3.30-4.0.—The Station Trio.
4.0-4.45.—The Carlton Orchestra relayed from the Carlton Restaurant.
5.0-5.45.—"5WA'S" "FIVE O'CLOCKS": The Station Orchestra. Talks to Women.
5.45-6.30.—CHILDREN'S CORNER.
6.45-7.0.—Miss Eleanor Vachell, F.L.S., on "Wild Flowers."
- 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
G. A. ATKINSON, *S.B. from London.*
Local News.
- 7.30. **An Evening with Mozart.**
(Mozart died Dec. 5, 1791.)
DAISY KENNEDY (Solo Violin).
MAURICE COLE (Solo Pianoforte).
THE STATION ORCHESTRA:
Conductor—WARWICK BRAITHWAITE.
Orchestra.
- Overture, "Figaro." *K. 296*
Daisy Kennedy and Maurice Cole.
Sonata for Violin and Pianoforte in C
Orchestra.
"Three German Dances."
Daisy Kennedy.
Gavotte *arr. Auer*
German Dance *arr. Burmester*
Minuet *arr. Burmester*
Rondo *arr. Kreisler*
Orchestra.
Overture, "Il Seraglio."
Daisy Kennedy and Maurice Cole.
Sonata for Violin and Pianoforte in B Flat *K. 570*
Orchestra.
Overture, "Don Giovanni."
Maurice Cole.
Fantaisie in C Minor.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 449.

WIRELESS PROGRAMME—FRIDAY (Dec. 5th.)

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

9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. *S.B. from London.* Local News.
10.0.—Dance Music.
10.30.—Close down.

2ZY MANCHESTER. 375 M.

12.30-1.30.—Organ Music by H. Fitzroy Page, relayed from the Piccadilly Picture Theatre.
2.30-3.0.—Broadcast to Secondary Schools (Seniors): Mr. L. S. PALMER, M.Sc., Ph.D., on "Electricity—What It Is and What It Does."
3.30-4.30.—Concert by the "2ZY" Quartet.
4.30-5.0.—WOMEN'S HALF-HOUR.
5.0-6.0.—CHILDREN'S CORNER.
6.30-6.55.—Mr. R. W. James, M.A., B.Sc., of Manchester University, on "Antarctic Exploration—(4), A Winter in Elephant Island."
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
G. A. ATKINSON. *S.B. from London.* Local News.
7.30. BAND OF H.M. GRENADIER GUARDS.
(By Permission of Col. B. N. Sergison Brooke, C.M.G., D.S.O.)
Conductor: Lieut. G. MILLER.
KLINTON SHEPHERD (Baritone).
Band.
Grand March, "The Silver Trumpets"
Viviani
Overture, "La Princesse Jaune"
Saint-Saens
Suite, "Les Erinnyes" *Massenet*
Baritone Songs.
"Red Roofs" *May Brahe* (5)
"Ding Dong" *Goring Thomas*
Band.
Selection, "Véronique" *Massenet*
"Salut d'Amour" *Elgar*
"Tempo di Ballo" *Scarlatti*
Pot-pourri, "Melodious Memories" *Finck*
Baritone Songs.
"Give Me a Lonely Caravan"
Hubert Bath
"I Think" *Guy d'Hardelot*
Band.
Praeludium *Jarnpelt*
"Bohemian Dance" ("La Tasso") *Grdadart*
Suite, "Neapolitan Scenes" *Massenet*
Baritone Songs.
"My Little Lad" *Percy Elliott*
"Homing" *T. del Riego*

9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. *S.B. from London.* Local News.
10.0.—Station Director's Talk.
10.10. Band.
Selection, "Songs of the Fair"
Easthope Martin (5)
"Sognai" *Schira*
"Petite Bolero" *Havina*
Quick Step, "Givenchy" *Karins*
10.30.—Close down.

5NO NEWCASTLE. 400 M.

3.45-4.45.—St. Hilda's Brass Quartet.
4.45-5.15.—WOMEN'S HALF-HOUR.
5.15-6.0.—CHILDREN'S CORNER.
6.0-6.30.—Scholars' Half-Hour.
6.45.—Farmers' Corner: Mr. R. W. Wheldon on "The Management of Meadow Land."
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
G. A. ATKINSON. *S.B. from London.* Local News.
THE STATION ORCHESTRA.
Conductor: EDWARD CLARK.
ELSIE COCHRANE (Soprano).
TOM KINNIBURGH (Bass)
Orchestra.
7.30. "Morning" ("Peer Gynt") { *Grieg*
"Anitra's Dance" } Suite, No. 1)

Lyrics by F. E. WEATHERLY.
7.40. Elsie Cochrane.
"If I Might Come to You"
W. H. Squire (1)
"The Little Damsel" *Ivor Novello* (1)
Orchestra.
7.50. "Nancy Lee" } *Stephen Adams* (1)
"They All Love Jack" }
7.55. Tom Kinniburgh.
"The Last Call" } *Sanderson* (1)
"Up from Somerset" }
8.5. Orchestra.
"The Star of Bethlehem" } *Stephen*
"The Midshipmite" } *Adams* (1)
8.10. Elsie Cochrane.
"Mifanwy" *Dorothy Forster*
"If Love Had Wings" *Hermann Lohr*
8.20. Orchestra.
"Mona" } *Stephen Adams* (1)
"The Holy City" }
8.25. Tom Kinniburgh.
"Friend o' Mine" *Sanderson* (1)
"Stone Cracker John" *Coates* (1)
8.35. THE STATION ORCHESTRA
and
OLIVE TOMLINSON (Solo Pianoforte).
Suite, "L'Enfant Prodigue" *Wormser*
9.0.—What other Stations are doing.
9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. *S.B. from London.* Local News.
10.0. Orchestra.
Dance Music.
10.30.—Close down.

2BD ABERDEEN. 495M.

3.30-4.0.—School Transmission: JOHN MCFARLANE, M.A., M.Com., Reader in Geography, Aberdeen University. The Wireless Orchestra. Eudemone Casati, L.E.S.L., "Elementary French Reading."
4.15-5.0.—The Wireless Orchestra, Feminine Topics; Mrs. Robertson Cameron on "Modern Poets—(1) Thomas Hardy."
5.15-6.0.—CHILDREN'S CORNER.
6.0-6.15.—Weekly Football Talk, conducted by Peter Craigmyle, Scottish League Referee.
6.40-6.50.—Farmers' Advice Corner under the auspices of the North of Scotland College of Agriculture: Conducted by Mr. Donald G. Munro, B.Sc.
6.50-6.55.—Agricultural Notes.
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
G. A. ATKINSON. *S.B. from London.* Local News.

Everybody's Programme.
DOROTHY ROBSON (Soprano).
MARGARET COLQUHOUN (Recitalist).
GEORGE BOYD (Baritone).
ANDREW WATSON (Solo Violoncello).
ROBERT MACCONNACHIE (Solo Cornet).
WILLIAM HARKINS (Solo Clarinet).
THE WIRELESS TRIO.
Trio.
7.30. "Serenade" *Toselli*
Dorothy Robson.
7.40. "The Banks of Allan Water" *Shaw*
"The Road to the Isles" *Kennedy-Fraser* (1)
"The Rivulet" *Shaw*
Margaret Colquhoun.
7.50. "The Highwayman" *Noyes*
George Boyd.
8.0. "Trottin' to the Fair" } *Stanford* (1)
"Father O'Flynn" }
8.10. Andrew Watson.
"The Swan" *Saint-Saens*
"La Cinquantaine" *Gabriel-Marie*
8.20. Dorothy Robson.
"Spring Sorrow" } *John Ireland*
"I Have Twelve Oxen" }
"The Fiddler of Dooney" *Dunhill* (14)
8.30. Robert MacConnachie.
"Good-bye" *Tosti*
8.40. Margaret Colquhoun.
"Peter Pirnie's Horn" *Ford*

8.50. George Boyd.
"On the March" *Oliver* (1)
"The Gladiator" *Adams*
9.0. William Harkins.
"Scottish Fantasia" *Lazarus*
9.10. Margaret Colquhoun.
"Thady" (Irish) *Lover*
"The Story of a Sixpence" (Cockney) *Payne*
"If I Darst" (American) *Field*
9.20. Dorothy Robson.
"Folk Song" } *MacDowell*
"Yellow Daisy" }
"Red Clover" }
9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. *S.B. from London.* Local News.
10.0. THE WIRELESS ORCHESTRA.
Dance Programme.
10.30.—Close down.

5SC GLASGOW. 420 M.

3.30-4.0.—Broadcast to Schools: Talks on History and French. Quartet.
4.0-5.0.—The Wireless Quartet. John Brown (Entertainer). Afternoon Talks.
5.15-6.0.—CHILDREN'S CORNER.
6.0-6.5.—Weather Forecast for Farmers.
6.40-6.55.—Mr. Ludley V. Howells on "Horticulture."
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
G. A. ATKINSON. *S.B. from London.* Local News.

An Hour of Highland Melody.
THE STATION ORCHESTRA.
Conducted by
HERBERT A. CARRUTHERS.
Introductory Remarks on each item by
JENNIE GIVEN, A.R.C.M.
ISAAC LOSOWSKY (Solo Violin).
JENNIE CURRIE (Gaelic Soprano).
JOHN MACINTYRE (Piper).
7.30.—"Hebridean Suite" for Violoncello and Piano *Mrs. Kennedy-Fraser* (1)
(JOHN B. DICKSON and ANDREW BRYSON.)
7.45. Gaelic Songs.
"Luinneag Nhicloid"
"Mo Ribhinn Chadinhoiell."
"Chi mi 'm Bata."
"S' Trusaidh Mi ho Coilleagan" ("The Cackle Gatherer")
Violin Solos.
Unaccompanied Highland Airs.
"MacCrimmon's Lament."
"An t-Larla Diurach" ("The Bens of Jura.")
"Bando Ribinnean" ("Dance to Your Shadow.")
Piper.
March, "The Battle of Harlaw."
Strathspey, "Tullochgorum."
Reel, "Duntroon."
March, "Pibroch of Donald Dhu."
Strathspey, "Miss Drummond of Perth."
Reel, "The Reel of Tulloch."
8.30. Orchestra.
Selection, "The Thistle."
JOHN DUNN (Solo Violin).
HERBERT A. CARRUTHERS (Solo Pianoforte).
8.55.—"Theme and Variations" from the "Kreutzer Sonata" *Beethoven*
9.10. Personalities.
(Incidental Music by the Wireless Quartet.)
9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. *S.B. from London.* Local News.
10.0. Violin Solos (John Dunn).
Nocturne in E Flat *Chopin-Sarasate*
Spanish Dance ("Zapatedo") *Sarasate*
10.10. Orchestra.
Selection, "Merrie England" *German*
March, "The Wooden Soldiers" *Lauwitz*
10.30.—Close down.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 449.

WIRELESS PROGRAMME—SATURDAY (Dec. 6th.)

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

2LO LONDON. 365 M.

4.0-5.30.—Time Signal from Greenwich.
THE "2LO" OCTET.
 Under the Leadership of S. KNEALE KELLEY.
 WILFRED LYNN (Tenor).
 CHARLES CLARE (Entertainer).
 Hadrian's Wall (Part 2), by Agnes Herbert.
 "Wintry Salads," by Mr. Teignmouth Shore.
 5.30-6.15.—**CHILDREN'S CORNER:** Winnie Harding (aged 15), Humorous Monologues. Doreen Wood (aged 14), Pianoforte Solos. "The Fairy Feast," by Charlotte Druitt-Cole. Children's News.
 6.40-6.55.—"The Domestic Cat," by a West-End Veterinary Surgeon.
 7.0.—**TIME SIGNAL FROM BIG BEN.**
WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. *S.B. to all Stations.*
 "Curiosities of Parliament," by an M.P. Local News.

7.30. **Popular Night.**
 LEONARD HUBBARD (Baritone).
 LENA COPPING and MARCIA BOURN (in Comedy Duets).
 LOUIS HERTEL (Entertainer).
THE WIRELESS ORCHESTRA:
 Conducted by DAN GODFREY, Junr. The Orchestra.

March, "Dunkirk" Lotter
 Overture, "The Jolly Robbers" ... Suppe
 Lena Copping and Marcia Bourn.
 "Spain" Jones (7)
 "Oh, Eva" Warren (31)
 "Banjulele Rhymes" (7)
 The Orchestra.
 Intermezzo, "The Night Patrol" ... Martell
 Selection, "Mulum in Parvo" ... Partridge
 Leonard Hubbard.
 "The Old Superb" Stanford (1)
 "Zummerzetzhire" Newton (11)
 Louis Hertel
 Entertaining.
 The Orchestra.

Suite, "My Lady Dragon-Fly" Finck
 Intermezzo, "An Evening in Toledo" Schmeling
 Marcia Bourn and Lena Copping.
 "All Day Long (with Banjuleles)" Lee (7)
 "My Sunshine Girl" G. Stanton (9)
 "Hard-hearted Hannah" Yellon (9)
 The Orchestra.
 Intermezzo, "In a Chinese Temple Garden" Ketchley

Louis Hertel Again.
 Leonard Hubbard.
 "A Smile Will Go a Long Way" Davis and Akst (6)
 "From One Till Two" ... Bard and Hoover
 The Orchestra.
 Selection, "The Co-Optimists" ... Pether (7)

9.30.—**TIME SIGNAL FROM GREENWICH.**
WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. *S.B. to all Stations.*
 Major L. R. TOSSWILL: Rigger Talk. *S.B. to all Stations.*
 Local News.

10.0.—**THE SAVOY ORPHEANS and SAVOY HAVANA BANDS and SELMA FOUR,** relayed from the Savoy Hotel, London. *S.B. to all Stations.*
 12.0.—Close down.

5IT BIRMINGHAM. 475 M.

3.30-4.30.—Children's Concert.
 5.0-5.30.—**WOMEN'S CORNER:** Mr. A. R. Russell, B.Sc.: Homecraft Chat No. 11, "The Waterproofing of Materials."
 5.30-6.30.—**CHILDREN'S CORNER.**
 6.30-6.45.—"Teens' Corner": Francis Rednall (Solo Pianoforte).
 7.0.—**WEATHER FORECAST and NEWS.** *S.B. from London.*

Lieut. A. E. SPRY (Midland Organizing Secretary, British and Foreign Sailors' Society) on "The Battle of the Falklands." Local News.

Military Band Programme.

THE BAND OF H.M. GRENADIER GUARDS.
 (By permission of Col. B. N. Sergison-Brooke, C.M.G., D.S.O.)
 Director of Music, Lieut. G. MILLER.
 GERTRUDE DAVIES (Soprano).
 HERBERT ALDRIDGE (Entertainer).

7.30. The Band.
 March, "Entry of the Boyards" Halvorsen
 Overture, "The Naiads" Bennet

7.45. Songs.
 "I Love Thee" ... } Grieg
 "Solweig's Song" }
 "The Asra" Rubinstein

8.0. The Band.
 "Valse Triste" Sibelius
 Suite, "Hiawatha" Coleridge-Taylor
 Selection, "Madame Pompadour" Fall (1)

8.30. Humorous Selections.
 "Harleck (H) Altered" Burnaby (7)
 "Earthenware" Weston and Lee (7)
 "Back Answers" Coverdale (13)

8.45. The Band.
 Glee, "The Chough and the Crow" ... Bishop
 Songs.
 "The Unforeseen" } Cyril Scott (4)
 "Lullaby" }
 "Blackbird's Song" }

9.10. The Band.
 Suite for Military Band in F Major
 Gustav Holst (1)
 Prelude Rachmaninov

9.30.—**WEATHER FORECAST and NEWS.** *S.B. from London.*
 Major L. R. TOSSWILL. *S.B. from London.*
 Local News and Football Review.

10.0.—**THE SAVOY BANDS.** *S.B. from London.*
 12.0.—Close down.

6BM BOURNEMOUTH. 385 M

3.30-5.0.—Ethel Rowland (Solo Pianoforte). Ernest Bishop (Solo Concertina). Talk to Women: "Cats," by Miss Falconer.
THE ROYAL BATH HOTEL DANCE ORCHESTRA, relayed from King's Hall Rooms (Musical Director, DAVID S. LIFF).

5.0-6.0.—**CHILDREN'S CORNER.**
 6.0-6.30.—Scholars' Half-Hour: Mr. C. H. Woodward, A.M.I.E.E., on "Loud Speakers and their Equipment."

7.0.—**WEATHER FORECAST and NEWS.** *S.B. from London.*
 Mr. E. CAVAN DANCE: "Desperadoes I Have Known." Local News.

Dance Night.

With Humorous and Orchestral Interludes.
THE ELITE ENTERTAINERS:
 PHYLLIS BERYL (Contralto);
 W. EDUARDE TOWLE
 (Baritone, Entertainer and Raconteur).
THE WIRELESS ORCHESTRA:
 Conducted by
 Capt. W. A. FEATHERSTONE.
THE ROYAL BATH HOTEL DANCE ORCHESTRA.
 Relayed from King's Hall Rooms.
 Musical Director, DAVID S. LIFF.

7.30. Orchestra.
 Selection, "Sally" Kern

7.40. Entertainers.
 In Song, Sense and Nonsense.
 Comedy Opening Number, "Ten Little Bridesmaids" C. Arundale
 Duet, "An Old World Garden" Crampton
 Humorous Skit, "Shopping" ... Fragon

(Edwarde Towle.)
 Ballad, "The Blind Ploughman" C. Clarke
 (Edwarde Towle.)
 "Consequences."

8.0. Dance Orchestra.
 8.30. Wireless Orchestra.
 Selection, "Florodora" L. Stuart
 Entertainers.

8.40. Duet, "A Lover and His Lass" ... Walthew
 Humorous Interlude of Sketch and Story.
 (Edwarde Towle.)

"Friend" Davies
 (Phyllis Beryl.)
 Humorous Jingle, "Fables Up-to-Date" Phyllis Beryl

8.55. Dance Orchestra.
 9.30.—**WEATHER FORECAST and NEWS.** *S.B. from London.*
 Major L. R. TOSSWILL. *S.B. from London.*
 Local News.

10.0.—**THE SAVOY BANDS.** *S.B. from London.*
 12.0.—Close down.

5WA CARDIFF. 351 M.

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

5.0-5.45.—"5WA'S" "FIVE O'CLOCKS."
 5.45-6.30.—**CHILDREN'S CORNER.**
 6.45-7.0.—Mr. GEOFFREY S. INGRAM, M.B.O.U., on "Wild Birds of Wales and the West Country—Bird Observation in Winter."

7.0.—**WEATHER FORECAST and NEWS.** *S.B. from London.*
 Curiosities of Parliament, by an M.P. Local News.

7.30. **MAX CHAPPELL'S DANCE BAND.**
 Relayed from the Bute Room, Cox's Café.

9.30.—**WEATHER FORECAST and NEWS.** *S.B. from London.*
 Major L. R. TOSSWILL. *S.B. from London.*
 Local News.

10.0.—**THE SAVOY BANDS.** *S.B. from London.*
 12.0.—Close down.

2ZY MANCHESTER. 375 M.

3.30-4.30.—Music relayed from the Oxford Picture Theatre: Conductor, S. Spurgin.

4.30-5.0.—**WOMEN'S HALF-HOUR:** Marcus Johnson (Bass).
 5.0-6.0.—**CHILDREN'S CORNER.**
 6.30-6.55.—Richard Tranter (Baritone), Wilson Nicholson (Recitations).

7.0.—**WEATHER FORECAST and NEWS.** *S.B. from London.*
 Mr. F. STACEY LINTOTT on "Sport." Local News.

Organ Recital.

By Dr. KENDRICK PYNE.
 Relayed from the Town Hall.
 Prelude and Fugue in A Minor Bach
 Organ Symphony in F Minor Widor
 Vivace; Cantabile; Allegretto; Adagio-Toccata.

Meditation-Elegiac Kendrick Pyne
 Choral Song and Fantasia Wesley

9.0.—**KEYBOARD KITTY and her Piano.**
 9.15. ARTHUR WILKES (Tenor).
 "Damask Roses" ... }
 "To Daisies" } ... Roger Quilter (1)
 "Fair House of Joy" }

"Would You Gain the Tender Creature?" } ("Acis and Galatea")
 "Love Sounds the Alarm" } Handel (11)

9.30.—**WEATHER FORECAST and NEWS.** *S.B. from London.*
 Major L. R. TOSSWILL. *S.B. from London.*
 Local News.

10.0.—**THE SAVOY BANDS.** *S.B. from London.*
 12.0.—Close down.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 449.

WIRELESS PROGRAMME—SATURDAY (Dec. 6th.)

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

5NO NEWCASTLE. 400 M.

3.45-4.30.—The Station Septet. Conductor, Edward Clark. Norah L. Allison.
 4.45-5.15.—WOMEN'S HALF-HOUR: Miss Norah Balls on "Old Time Gardens."
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.30.—Scholars' Half-Hour.
 6.35.—Farmers' Corner: Mr. H. C. Pawaon on "Fattening Stock." Poultry Notes.
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Mr. JOHN KENMIR on "Football." Local News.

Request Night.

DOROTHY ROBSON (Soprano).
 JOHN DUNN (Solo Violin).
 THE STATION ORCHESTRA.
 Conductor, EDWARD CLARK.

7.30. Orchestra.
 "Marche Militaire" Schubert
 Suite, "Ballet Egyptien" Luigini
 7.45. Dorothy Robson.
 "Nymphs and Shepherds" Purcell
 "The Lass with the Delicate Air" ... Arne
 7.55. John Dunn.
 "Serenade" Drigo
 "Chant sans Paroles" Tchaikovsky
 "Caprice Viennois" Kreisler
 8.10. Orchestra.
 Selection, "To-Night's the Night" *Rubens*
 March from "Pathetic Symphony" *Tchaikovsky*
 8.25. Dorothy Robson.
 "An Island Shieling" *Kennedy-Fraser* (1)
 "O Peaceful England" ("Merrie Eng-
 land") German
 8.35. John Dunn.
 "Serenade" Gounod
 "Serenade Espagnole" Chaminade
 8.45. Orchestra.
 "Petite Suite de Concert" *Coleridge-Taylor*
 "Poet and Peasant" Suppé
 9.0. TILLEY'S ORCHESTRA.
 Relayed from the Grand Assembly Rooms.
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Major L. R. TOSSWILL. *S.B. from London.*
 Local News.
 10.0.—THE SAVOY BANDS. *S.B. from London.*
 12.0.—Close down.

2BD ABERDEEN. 495 M.

3.30-5.0.—The Wireless Septet. John Cooper (Baritone). Feminine Topics.
 5.30-6.0.—CHILDREN'S CORNER.
 6.40-7.0.—This Week's Interesting Anniversary: "Thomas Carlyle, born December 4th, 1795." (Prepared by John Sparke Kirkland.)
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Mr. J. MASSIE MILNE on "An Ascent of Ben Nevis." Local News.

Operatic Night.

NAN DONALDSON (Contralto).
 THE "2BD" OPERATIC CHOIR.
 THE WIRELESS ORCHESTRA.
 Conductor, ARTHUR COLLINGWOOD.

7.30. Orchestra.
 Selection, "The Beggar's Opera" *Austin* (1)
 7.40. Nan Donaldson.
 "Che Faro" Gluck (25)
 "Gentle Flow'rs, Lie Ye There" .. Gounod
 7.50. Orchestra.
 Selection, "Samson and Delilah" *Saint-Saens*
 8.0. GRAND OPERA IN MINIATURE.
 "RIGOLETTO" *(Verdi).*
 The "2BD" Operatic Choir.
 9.0. Orchestra.
 Overture, "Tancredi" Rossini

9.10. Nan Donaldson.
 "Porgi Amar" Gounod
 "O Love, From Thy Power" .. Saint-Saens
 Orchestra.
 9.20. Three Dances from "Neil Gwyn" *German*
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Major L. R. TOSSWILL. *S.B. from London.*
 Local News.
 10.0.—THE SAVOY BANDS. *S.B. from London.*
 12.0.—Close down.

5SC GLASGOW. 420 M.

11.0-12.0 noon.—Rehearsal for "5SC'S" Radio Circle Choir and Impromptu Band.
 3.30-4.50.—The Wireless Quartet. Ellison Gray (Soprano). Afternoon Topics.
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.5.—Weather Forecast for Farmers.
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Glasgow Radio Society Talk.
 Local News.

Dance Night.

THE STATION ORCHESTRA.
 Conducted by ISAAC LOSOWSKY.
 TOM KINBURGH (Bass).
 DANIEL SEYMOUR (Tenor)
 will sing the Choruses and Vocal Numbers.
 7.25. Orchestra.
 Dance Music.
 8.0. Bass Solos.
 "The Fishermen of England" .. *M. Phillips*
 "An Old English Love Song" *Allitsen* (1)
 "The Tavern Song" *Howard Fisher* (1)
 8.10. Orchestra.
 Dance Music.
 Bass Solos.
 8.50. "The March of the Cameron Men" *Campbell* (25)
 "The Lea Rig" *Burns*
 "The Lass o' Cowrie" *Old Scots*
 9.0. Orchestra.
 Request Items received during Transmission.
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Major L. R. TOSSWILL. *S.B. from London.*
 Local News.
 10.0.—THE SAVOY BANDS. *S.B. from London.*
 12.0.—Close down.

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Thursday's Programme.

(Continued from page 445.)

3.45-4.35.—Phyllis Howe (Soprano). George Wade (Solo Zither-Banjo). John Van Zyl (Bass).
 4.45-5.15.—WOMEN'S HALF-HOUR: The Rev. Alfred Bramley on "The Wooing and Wedding of Katherine the Shrew."
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.30.—Scholars' Half-Hour.
 6.30-6.45.—Boy Scouts' and Girl Guides' Bulletins.
 6.45-7.0.—J. I. Gibson: French Talk.
 7.0-10.30.—The entire Programme *S.B. from London.*

2BD ABERDEEN. 495 M.

3.30-5.0.—Popular Afternoon: The Wireless Septet. Jupiter Mars (Entertainer). Feminine Topics. Miss Marshall on "Cookery at Home."
 5.30-6.0.—CHILDREN'S CORNER.
 6.30-6.40.—Girls' Guildry News Bulletin.
 6.40-6.55.—Boys' Brigade News Bulletin: Sheriff A. J. L. Laing, "A Message to Officers and Staff Sergeants in the Boys' Brigade."
 7.0-10.30.—Programme *S.B. from London.*

5SC GLASGOW. 420 M.

3.30-4.50.—Request Afternoon: The Wireless Quartet. W. F. Cornelius (Solo Dulcimer). Afternoon Topics. Mabel Penman on "The Lure of Lace."
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.5.—Weather Forecast for Farmers.
 6.5-6.20.—Boy Scouts' and Girl Guides' Bulletins.
 7.0.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Mrs. HUGH SPENDER. *S.B. from London.*
 Local News.

Band Night.

THE BAND OF
 H.M. GRENADIER GUARDS:
 (By permission of Col. B. N. Sergison-Brooke, C.M.G., D.S.O.)
 Director of Music, Lieut. G. MILLER.
 DOROTHY ROBSON (Soprano).
 7.35. Band.
 Overture, "The Hebrides" .. *Mendelssohn*
 Quick-step, "The British Legion" *Bidgood*
 Duet, "Villanelle" *Eva dell' Acqua*
 (Sergt. D. MATTHEWS, Clarinet; Muscn. E. BOWEN, Flute.)
 Two Movements from Suite, "The Planets" *G. Holst*
 8.5. Soprano Songs.
 "Ask If You Damask Rose" *Handel, arr. L. Lebell*
 "Hist! Hist!" ("Maid of the Mill") *Dr. Arnold* (14)
 8.15. Band.
 Selection, "Les Cloches de Corneville" *Planquette*
 Two Movements from the Fifth Symphony *Tchaikovsky*
 Incidental Music to "Henry VIII." *Sullivan*
 8.45. Soprano Songs.
 "Soldier's Wife" *Rachmaninov*
 "Spring Waters" *Rachmaninov*
 8.55. Band.
 Tableau Musical, "Sadko" *Rimsky-Korsakov*
 Suite, "The Tempter" *Ed. German*
 Selection, "The Co-Optimists" .. *arr. Cole*
 9.30.—WEATHER FORECAST and NEWS. *S.B. from London.*
 Topical Talk. Local News.
 10.0. Soprano Songs.
 "Dancing at the Lurgan" .. *McNaught* (11)
 "Rann of Wandering" *H. Harty* (11)
 10.10. Band.
 "Three English Dances" *Roger Quilter* (1)
 Selection, "Madame Butterfly" .. *Puccini*
 10.30.—Close down.

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

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WIRELESS PROGRAMME—BELFAST (Dec. 1st to Dec. 6th.)

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

2BE 435 M.

MONDAY.

4.0-5.0.—The "2BE" Quartet.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
 Radio Association Talk. *S.B. from London.*
 Mr. W. N. T. TAMS. *S.B. from London.*
 Local News.

Miscellaneous Programme.

NORMAN ALLIN (Bass).
 MINA W. HARPUR (Solo Violin).
 THE STATION ORCHESTRA.

7.35. Orchestra.
 Prelude to "Carmen" Bizet
 Petite Suite de Concert, "Jeux d'Enfants" Bizet
 7.48. Norman Allin.
 "Arise, Ye Subterranean Winds" .. Purcell
 8.0. Mina W. Harpur.
 Chant Indoue .. Rimsky-Korsakov-Kreisler
 Moment Musical..... Schubert-Kreisler
 Sicilienne and Rigaudon Francaeur-Kreisler
 8.12. Norman Allin.
 "The Midnight Review" Glinka
 "Song of the Harp Player" .. Moussorgsky
 "Volga Boat Song" .. arr. Koenev
 8.24. Orchestra.
 Suite, "Othello" Coleridge-Taylor
 8.38. Norman Allin.
 "O Isis and Osiris" ("Magic Flute") Mozart
 "Osmin's Scene with Pedrillo" (Act II, "De Seraglio") Mozart
 8.50. Mina W. Harpur.
 Ave Maria Schubert-Wilhelmj
 Scherzo..... Dittersdorf-Kreisler
 Waltz..... Brahms-Hochstein
 9.5. Orchestra.
 A Children's Overture Quilter
 Ballet Music from "Carmen" Bizet
 9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
 Capt. C. H. BROWN on "Mercantile Shipping." *S.B. from Glasgow.*
 Local News.
 10.0.—THE SAVOY BANDS. *S.B. from London.*
 11.0.—Close down.

TUESDAY.

3.45-5.0.—Concert: The Station Orchestra.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
 ARCHIBALD HADDON. *S.B. from London.*
 Local News.

Some Mozart Music.

MINNIE HANNA (Soprano).
 E. J. HARRIS (Clarinet).
 THE STATION ORCHESTRA.

7.30. Orchestra.
 Minuet in G from "Don Giovanni."
 Andante, Minuet Trio, and Finale from Symphony in E Flat.
 Concerto in A Minor for Clarinet and Orchestra.
 8.26. Minnie Hanna.
 "Deh Vieni" in F ("Oh, Come, Do Not Delay").
 "Voi che Sapete" ("You Who Have Knowledge").
 "Non so Popim Cosa Son" ("I Forget What I Am").
 8.38. Orchestra.
 Minuet in D for Strings and Two Horns.
 8.50.—THE SCOTTISH ORCHESTRA. *S.B. from Glasgow.*
 9.55.—WEATHER FORECAST and NEWS.
S.B. from Glasgow.
 Local News.
 10.10.—Close down.

WEDNESDAY.

4.0-5.0.—The "2BE" Trio.
 5.30-6.15.—CHILDREN'S CORNER.
 6.40-6.55.—Miss Rosaline Masson on R. L. Stevenson. *S.B. from Edinburgh.*
 7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
 Mr. C. H. B. QUENNEL. *S.B. from London.*
 Local News.

Mainly Dvorak.

HORACE VINCENT (Tenor).
 ERNEST A. A. STONELEY (Violinist).
 THE AUGMENTED STATION ORCHESTRA:
 Conductor—E. GODFREY-BROWN.
 T. O. CORRIN (At the Piano).

7.30. Orchestra.
 Overture, "Carnaval" Dvorak
 Rhapsodie No. 3, Op. 45 Dvorak
 Ernest A. A. Stoneley.
 Concerto for Violin and Orchestra, Op. 53 Dvorak
 Adagio, Finale.
 Orchestra.
 Symphony No. 5 in E Minor, Op. 95 ("New World") Dvorak
 Adagio, Allegro Molto; Largo; Allegro con Fuoco.
 Slavonic Dance No. 8 in G Minor..... Dvorak
 9.0.—Mrs. KENDAL and Lady TREE in "GRANNY'S JULIET." *S.B. from London.*
 9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
 Royal Horticultural Society Talk. *S.B. from London.*
 Miss LILIAN BAYLIS. *S.B. from London.*
 Local News.
 10.5.—THE SAVOY BANDS. *S.B. from London.*
 LAYTON AND JOHNSTONE. *S.B. from London.*
 11.0.—Close down.

THURSDAY.

3.45-5.0.—Concert: The Station Orchestra.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
 Radio Society Talk. *S.B. from London.*
 Mrs. HUGH SPENDER. *S.B. from London.*
 Local News.

Pot-Pourri Night.

MAUD KENNEDY and KATHLEEN KENNEDY (Recital).
 MURIEL CHILDE (Mezzo-Soprano).
 PAULINE BARKER (Solo Harp).
 W. G. BATES (Solo Bassoon).
 THE STATION ORCHESTRA.

7.35. Orchestra.
 Suite, "Dances Miniatures de Ballet" Ansell
 Gavotte, "Mignon" Thomas
 Muriel Childe.
 "To-Morrow" R. Strauss
 "Bless My Brooms" H. Craxton (1)
 "Ferry Me Across the River" Graham Peel
 8.0. "THE CRYSTAL GAZER."
 A Comedy Sketch by Leopold Montague.
 Madame La Sorciere .. Kathleen Kennedy
 Miss Dessie Blank Maud Kennedy
 8.20. Orchestra.
 Suite Miniature Coates (1)
 8.32. Muriel Childe.
 "Tis the Hour of Farewell" Liza Lehmann
 "The Dream Canoe" W. H. Squire (1)
 "Ma Curly-Headed Babby" (Plantation Song) J. H. Clutsam
 8.44. W. G. Bates.
 "Lucy Long" F. Godfrey
 (With Orchestral Accompaniment.)

8.54. Pauline Barker.
 Chorale and Variations Widor
 9.4. Orchestra.
 Suite, "Les Deux Pigeons" Messenger
 Suite, "A Coon's Day Out" Baynes (1)
 9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
 Topical Talk.
 Local News.
 10.0.—Close down.

FRIDAY.

4.0-5.0.—The "2BE" Quintet.
 5.30-6.15.—CHILDREN'S CORNER.
 6.45-7.0.—Mr. G. T. Dickson, F.L.S., Horticultural Bulletin.
 7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
 G. A. ATKINSON. *S.B. from London.*
 Local News.

A Night of Old Favourites.

DOROTHY RODGERS (Mezzo-Soprano).
 R. M. KENT (Tenor).
 THE STATION ORCHESTRA.

7.30. Orchestra.
 March from "Rinaldo" Handel
 7.37.—Reminiscences of Ireland Godfrey
 7.51. Dorothy Rodgers.
 "Believe Me, if all those Endearing Young Charms" T. Moore
 "The Harp That Once Thro' Tara's Halls" Traditio. al
 "Hast Scrow Thy Young Days Shaded?" arr. Herbert Hughes
 8.4. R. M. Kent.
 "Drink to Me Only with Thine Eyes" Traditio. al
 "Sally in Our Alley" Henry Carey
 "Here's to the Maiden of Bashful Fifteen" Traditio. al
 8.17. Orchestra.
 Selection, "Polly" Austin (1)
 8.32. Dorothy Rodgers.
 "Robin Adair."
 "Comin' Thro' the Rye."
 "Annie Laurie"
 Lady John Scott of Spotswood
 8.47. R. M. Kent.
 "The Flowers of the Forest" (A Lament For Flodden) Traditio. al
 "Oh, A' the Airts the Wind can Blaw."
 "Mary" (O, Kind and Gentle is She).
 9.2. Orchestra.
 Scottish Medley..... (2)
 Selection of the Songs of Stephen Adams. Healey (1)
 9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
 Sir GEORGE NEWMAN. *S.B. from London.*
 Local News.
 10.0.—Close down.

SATURDAY.

4.0-5.0.—The "2BE" Trio.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
 Mrs. ROONEY of Belfast.
 Local News.

Popular Tit-Bits.

HELENA CECILE (Entertainer).
 EDWARD WILSON (Baritone).
 THE STATION ORCHESTRA.
 Listeners are invited to send postcards naming their favourite groups of Orchestral Pieces.
 7.30. Orchestra.
 March, "Colonel Bogey" Alford
 Overture, "Poet and Peasant" .. Suppe
 Minuet, "Manon" Massenet
 (Continued in column 1, page 455.)

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 449.

The Broken-Hearted Composer.

The Story of Bizet's "Carmen."

AMONG the men whose memory is kept green by one achievement must be numbered Georges Bizet. For, though unlike "Single-speech Hamilton" and "One-book Bailey," he did not exhaust himself in a flight, but kept at a high level of production for years; practically his only known work is *Carmen*.

Carmen is based on one of the best-known novels of Prosper Mérimée, and it reached its final form after much travail by its composer. It became as we know it largely through the exactingness of Galli-Marié, the original Carmen.

An Exacting Prima-Donna.

Innumerable were the alterations made in her part to suit her fastidious tastes. Two songs for her—one in the card-playing scene in the mountains, and the other in the last act, just before her death—had to be cut out altogether; and she virtually insisted upon scores of substitutions—a new song here, a fresh bit of "business" there, and so on.

At the outset, there was a song for her entrance in the first act. As she did not approve of it, the composer supplied another, which also was rejected. A third song met with the same fate; and so things went on.

Finally, she asked for something that would produce a great effect, whereupon Bizet, tired though he was, wrote the *Habañera*, an arrangement of a Spanish air that he had come across some time before.

The composer's troubles at rehearsals were intensified by the derision of the manager of the house—the Opéra Comique, Paris—who, though he mounted the work splendidly, told everybody that the music was "Cochin-Chinese," and declared that he did not understand it.

The Slow March to Success.

Poor Bizet was consequently in a despondent mood when, on March 3rd, 1875, the curtain first rose on *Carmen*, and as the evening wore on, nothing occurred to heighten his spirits. The *Habañera* was certainly applauded frantically, the Toreador song—which the critics subsequently styled "banal"—also got a good reception, and several of the other numbers were more or less successful. But the opera, as a whole, was a failure, and it was with a heavy heart that Bizet left the theatre. Plunging into the night, he walked about Paris at random, not knowing or caring where he went, till the dawn.

Further acquaintance with *Carmen* did not make the public like it any better, and after only thirty-seven representations it was withdrawn. Nor did the composer live to see his work meet with greater appreciation. Exactly three months after the first representation he died suddenly, his end hastened, perhaps, by the failure of his most ambitious work.

Strange as it is that *Carmen*, on its introduction, was received with apathy, it is still more so that for years its merits were not adequately appreciated anywhere, except in Germany. It was revived at the Opéra Comique in October, 1876; but, after only thirteen

representations—"unlucky" number!—it was again withdrawn. In this country it was still less successful. For a long time, like Shakespeare, it "spelt failure," and only by the perseverance of managers, who, not from any love of art, but from a desire fully to exploit a work which they believed had great commercial possibilities, put it on the stage again and again, did the public recognize its dramatic and musical charms.

But by degrees it gained popularity, and ultimately those who had had the foresight to acquire performing rights, made fortunes out of them. About 1888, Sir Augustus Harris bought the English rights for £1,500, and this speculation brought him a profit of £30,000.

The belated success of *Carmen* in this country was due in large part to Mapleson, who produced it at Her Majesty's Theatre after difficulties which had seemed insurmountable. Campanini returned the part of Don José, stating that he could not think of undertaking it, as there was no romance in it, and the only love duet was one



The fight between Escamillo and Don José.

with the second lady. No less scornful was Del Puerite, the baritone, who said that the part of Escamillo must have been intended for one of the chorus, and that he declined it. Mme. Vallona also threw up her part, suggesting that it should be given to one of the chorus.

Eventually, Mapleson persuaded the malcontents to attend a general rehearsal, when they all began to take a great fancy to the rôles which had been assigned to them. The rest was easy. Mapleson talked them round, and the result was a great success. Campanini subsequently became famous as Don José.

Afterwards the astute manager gave a performance of *Carmen* under curious conditions. On a night when Adelini Patti was announced to sing in *Faust* an intimation was received from her that she could not fulfil her engagement. People were then streaming into Her Majesty's, and, as Mapleson did not want to turn them away and close the theatre—for already there had been several disappointments during the season through the inability of singers to appear—he informed them that he

would put on *Carmen*, and invited them to hear it as his guests, adding that their money would be returned on presentation of their tickets.

A free representation of Bizet's opera, with Trebelli in the principal part, was accordingly given, and, by common consent, it was brilliantly successful. In accordance with Mapleson's promise, moreover, the money received for the tickets for *Faust* was duly refunded.

Ingenious Advertising.

Perhaps, however, nothing did more to start *Carmen* on its career of prosperity than the way it was "boomed" by Mapleson and other managers. One device they resorted to was to scatter small advertisements, ostensibly from private persons, among the London newspapers, offering for sale "two tickets for *Carmen*" for Wednesday or some other night, thus conveying the impression that there was a tremendous demand for seats to hear the opera.

T. W. WILKINSON.

[*"Carmen"* will be broadcast on Monday, December 1st, and S.B. to all Stations, except Belfast. The following Synopsis will enable listeners to follow the opera act by act.]

ACT I.

THE square in Seville is alive with people—troopers and townsfolk—and more colour

is added to the already gay scene by the cigarette girls who work in a factory close by. Carmen, a dark Spanish gypsy beauty, fearless, passionate, and fickle, also employed at the factory, enters the square and makes love to Don José, but her advances are repelled as José is infatuated with Micaela, to whom he speaks when the cigarette girls return to work.

All at once, however, there is great commotion in the square as Carmen in an impetuous moment has stabbed a fellow-worker, and it falls to José's lot to arrest her, but he succumbs to her attractions and allows her to escape.

ACT II.

Carmen escapes to Pastia's tavern, where she is attracted by Escamillo, a bull-fighter. She cannot, however, forget José, who comes to see her after his release from prison, when the tavern is closed. At the request of the smugglers she makes him desert, and lures him to the mountains as a recruit for the band.

ACT III.

In the mountain pass Carmen soon tires of José, preferring the more adventurous Escamillo. The band decide that the moment has come for the conveyance of their contraband through the pass, and Don José is posted on a rocky prominence to prevent any possible attack from the rear. Micaela visits the pass to speak with José, but seeing him fire at an approaching figure she is frightened and hides. The other visitor turns out to be Escamillo, visiting Carmen. The two lovers then fight and Escamillo is beaten. Unruffled, he leaves the camp, inviting all to attend his next bull-fight in Seville.

ACT IV.

It is the day of the bull-fight in Seville. Escamillo is the hero of the hour and Carmen awaits outside the arena for his return.

Don José, however, in a frenzy of jealousy stabs her in the back. Escamillo returns to find Carmen dead.

Music and Noise—The Difference.

The Wonder of Sound Waves. By Sir WILLIAM BRAGG, F.R.S.*

CERTAIN sounds and certain successions of sounds are very pleasing to us. That which was in the first place a means of obtaining and communicating intelligence has become subsequently, as we may suppose, a means of giving pleasure through our sense of music.

If we ask ourselves what it is that makes the difference between a sound in its most general form and that particular kind of sound which we use in music, we need not be very long in arriving at an answer. We find that the musical sound consists of tremors that succeed one another with perfect regularity, as the waves of the open sea appear to do when one looks down upon them from a height. But a mere noise would correspond rather to the tossing of the waters in the rapids of a river, where no regularity is to be seen. We find, too, that whenever we hear a regular disturbance of this sort, we can assign a pitch to the corresponding sound. It does not matter in the least how the tremors in the air are caused: all that is necessary is that they shall be repeated regularly and with proper frequency.

Pulses in the Air.

Suppose I were to wave my hand in front of a microphone. In doing so, I should start a pulse in the air which would sweep over the microphone and through the room; neither you nor I would hear anything, however.

Suppose I were to repeat the wave of my hand at regular intervals, the pulses in the air would succeed one another with equal regularity, and we should be realizing one of the conditions essential to the making of musical sound of definite pitch. It would still, however, be inaudible as such, because the pulses do not succeed one another with sufficient frequency. I simply cannot move my hand fast enough; it would have to be moved about twenty times a second. If that could be done, your ears would hear a deep booming note, very loud indeed if the wave of the hand were anything like as big as we should naturally picture it. And if I could wave my hand faster and faster still, the note would steadily rise in pitch, as we say.

The Secret of the Tuning-Fork.

Of course, I cannot move my hand fast enough; but it is easy to find something else which will wave to and fro sufficiently fast. I have a tuning-fork mounted on a box of proper size. When I draw the bow of a 'cello across the prongs of the fork, it sounds loudly. What is happening is that the prongs swing in and out, towards and away from each other, and they keep it up for a long time. At each swing, a pulse runs away into the air, and it is because these pulses succeed one another so regularly and at such an unchanging rate that the note is so steady and fades only slowly away.

Our Musical Cravings.

The note has a certain pitch, of course; it is nearly that of the middle B on the piano. The important point is that it has a pitch because the number of pulses which it sends out into the air every second is quite definite; as a matter of fact, it is 256. It is also most important to realize that the particular pitch which we recognize is always connected with that number.

Think of any way you please, no matter how fantastic, by which pulses can be given in regular succession to the air, and you have a source of sound of a definite pitch. If I could only wink 256 times a second, you would hear the note of the fork.

When, therefore, we look round for convenient means of producing sounds of definite

pitch, in order to satisfy our craving to make music, we look, in fact, for objects which we can set into vibration, which will keep up the movement for a satisfactory time and will at each vibration send out a satisfactorily large pulse into the air. Of all possible means mankind has by common consent chosen two as the most suitable: they are the stretched string and the column of air.

Almost Silent Strings.

When a string is stretched tightly, it vibrates to and fro if plucked to one side, as in the harp and lyre, and also when the bow is drawn across it, as in the violin. It is too thin in itself to cause much disturbance; when we listen to a stringed instrument it is not the strings themselves that we hear directly, but the sounding-board on which they are mounted. The vibration of the string of the violin is communicated to the body, and this being a broad surface, launches out a sufficient pulsation.

If a string is hung from a stout bracket fastened to a wall, and is loaded with a heavy weight, it can be made to vibrate, but it will give out little sound. It is because the body of the violin gives the pulses to the air, and because its form and nature affect the quality of the vibrations, which really come from the string, that the body must be made most carefully, and a first-class violin is a great treasure.

The Ear's Choice.

The note of the string goes up in pitch if it is stretched more tightly, or if it is shortened, which possibilities give a wide range to its use. The violin player uses the first method of altering the note when he tunes his instrument, and the second when he plays on it.

The column of air in the organ pipe, or flute, is set into vibration by blowing across the mouth; the exact manner in which this blowing succeeds in its purpose is a little too long to discuss now. The main point is that as the air in the tube vibrates it pours in and out of an open end of the tube, and each time it does so it sets off a pulse into the air.

Now, suppose we have found out how to make sounds that are of definite pitch, that we have decided to use strings, or pipes of some kind, or it may be some other convenient mechanism, what is the next point to be considered? How many strings do we want, and what shall be their pitch?

Combining the Notes.

We ourselves, in common with many other European nations, have decided that we like a combination made up in the following way. We take a note of given pitch as starting point: it is the keynote. We take another note of higher pitch, which we call the octave, what that note is, is a matter of ear. You cannot describe it to anyone; you can merely say: "This is what I mean by an octave."

Having, let us say, fitted two strings into the instrument we are making, and tuned them so as to be the octave of each other, we then put in six more strings between these two, of intermediate pitch. These also are chosen by ear: one can only say in the first place, this is our practice, this is what we like. We then add higher and lower octaves to our satisfaction.

Now, we saw that a note of given pitch is a note produced in the ear by the receipt of a certain number of pulses every second, which we may call the vibration number. The first tuning-fork which we used gave 256 pulses a second, the number is easily determined by methods which are commonly to be found in a physical laboratory. When we measure in the

same way the vibration number of all the other notes we have chosen, by ear, for our scale, we come across a very famous and interesting set of rules. In the first place, the upper note of the pair which we say are an octave apart has a vibration number exactly twice that of the lower: this is true of any such pair, not merely of the two tuning forks we have already used.

And similarly numerical relations hold for all the other notes. For instance, the interval which musicians call the fifth requires the upper note to have a vibration number half as large again as that of the lower. If the lower is 256, the upper is 384. I have tuning-forks giving both these numbers, and when I sound them together you will recognize that they stand to one another as C to G in the scale of C. Another of the notes which we demand by ear is found to have a quarter as many more vibrations to the second as the fundamental. I have that also, and when I sound all the four forks I have mentioned, we have the major chord.

The Singing Cogs.

I have also another device for showing these number relations. It is a small electric motor on the axis of which are mounted a number of cogged wheels in a row. When I press a card against the cogs of one of the revolving wheels, it flaps from tooth to tooth and you hear a harsh note, the pitch of which is determined by the number of teeth that hit the card in a second. The numbers of teeth on the wheels are proportional to the vibration numbers of the notes of the scale. So when I put the card to the wheels in turn, the sound goes up the scale. It does not matter how fast the motor goes, the notes are always in the right relation to each other, no matter how much they change in absolute pitch.

Rules that are Disobeyed.

Although the various notes of our scale can be defined so perfectly, we do not obey the rules exactly. In fact, we deliberately disobey them: so that it may just be said that the piano and other keyed instruments are never in tune. This is because music, especially modern music, demands that it shall be possible to play in many different keys on the same instrument, and we have to make the same notes play many parts. It is impossible to make them do so exactly, because the laws of arithmetic forbid it, and we have to overlook the consequent errors. Many of us do not possess ears that can distinguish the errors, which are small, and others who are more musical have become accustomed to them. But it is easy to show the necessary existence of the error, both by theory and in practice.

Instruments Never in Tune.

As regards the former, let us take the note 256 and call it C. The rule of the scales tells us that the next note, D, should then have a vibration number larger by one eighth of 256, that is 256—32, or 288. Now suppose we want to make D the key note, as we often do. Then the next note, E, should have a vibration larger than 288 by one eighth of 288, i.e., by 36. So the vibration number of E should be 324.

But regarding E as the major third of C, its vibration number should be one quarter more than 256, the vibration number of C; this is the proper rule. Now one quarter of 256 is 64, and so E, if it is the third note from C, should have the vibration number 256—64, or 320; whereas, if it is regarded as the second note from D, it should be 324, and we cannot satisfy both requirements. We solve the problem in practice by a system of splitting differences, which means that keyed instruments are never quite in tune.

* A Talk from the London Station.

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Belfast Programme.

(Continued from page 451.)

- 7.50. Helena Cecile.
In Selections from her Repertoire.
- 8.2. Orchestra.
Aria for Fourth String .. *Bach-Wilhelmj*
Meditation on the First Prelude ("Ave
Maria") .. *Bach-Gounod*
Gigue in D Major .. *Bach-Gounod*
- 8.16. Edward Wilson.
Largo Factotum from "The Barber of
Seville" .. *Rossini*
"Song of the Flea" .. *Moussorgsky*
"King Charles" .. *M. V. White (1)*
- 8.28. Orchestra.
Meditation, "Thais" .. *Massenet*
"Anitra's Dance" .. *Grieg*
"Skipton Rigg" .. *Holliday*
- 8.40. Helena Cecile.
In Selections from her Repertoire.
- 8.52. Orchestra.
"A Keltic Lament" .. *Foulds*
"Dance of the Sugar-Plum
Fairy" .. *Tchaikovsky*
"Valse des Fleurs" .. *Tchaikovsky*
- 9.7. Edward Wilson.
"She is Far From the Land" .. *Lambert*
"Maire, My Girl" .. *Aitken*
"Molly Bawn" .. *Lover*
- 9.20. Orchestra.
March from "Tannhäuser" .. *Wagner*
- 9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Major L. R. TOSSWILL. *S.B. from
London.*
Local News.
- 10.0.—THE SAVOY BANDS. *S.B. from
London.*
- 12.0.—Close down.

LECTURE EXPLIQUÉE.

The following will be broadcast from London on December 5th, during the Transmission to Schools from 3.15 to 3.45 p.m.

LE RETOUR.

Quand j'arrivai en France sur un vaisseau qui venait des Indes, dès que les matelots eurent distingué parfaitement la terre de la patrie, ils devinrent, pour la plupart, incapables d'aucune manœuvre. Les uns la regardaient sans en pouvoir détourner les yeux, d'autres mettaient leurs beaux habits, comme s'ils avaient été au moment d'y descendre, il y en avait qui parlaient tout seuls, et d'autres qui pleuraient. A mesure que nous en approchions, le trouble de leur tête augmentait. Comme ils en étaient absents depuis plusieurs années, ils ne pouvaient se laisser d'admirer la verdure des collines, les feuillages des arbres, et jusqu'aux rochers du rivage couverts d'algues et de mousses, comme si tous ces objets leur eussent été nouveaux. Les clochers des villages où ils étaient nés, qu'ils reconnaissaient au loin dans les campagnes, et qu'ils nommaient les uns après les autres, les remplissaient d'allégresse.—BERNARDIN DE SAINT PIERRE.

DICTÉE.

The following dictation was broadcast from London on November 28th, during the Transmission to Schools. It is printed here to assist the scholars who took down the dictation when broadcast.

Voilà, voilà Polichinelle, le grand, le vrai, l'unique Polichinelle! Il ne paraît pas encore, et vous le voyez déjà! Vous le reconnaissez à son rire éclatant, prolongé. Il ne paraît pas encore, mais il siffle, il bourdonne, il babille, il crie, il parle de cette voix qui n'est pas une voix d'homme, mais qui annonce quelque chose de supérieur à l'homme, Polichinelle, par exemple.

Il s'ébance en riant, il tombe, il se relève, il se promène, il gambade, il saute, il se débat, il gesticule, et retombe démantibulé sur les tréteaux qui résistent de sa chute. Ce n'est rien, c'est tout, c'est Polichinelle! Et tout le monde pousse un cri: c'est lui! C'est lui! C'est Polichinelle.—CHARLES NODIER.

(Continued from col. 3.)

- 9.15. Reginald Whitehead.
Selected.
- 9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. *S.B. from
London.* Local News.
- 10.5.—Station Director's Talk.
- 10.15 (approx.). Alice McLauchlan.
"There's Nae Luck About the
Hooso" .. *Scottish*
"The Auld Fisher" .. *Scottish*
"Tam Glen" .. *Scottish*
- 10.30.—Close down.
- SATURDAY, December 6th.**
3.0-4.0.—The Station Pianoforte Trio.
5.0-6.0.—CHILDREN'S CORNER.
7.0-12.0.—Programme *S.B. from London.*

Dundee Programme.

2DE 331 M.

Week Beginning Sunday, November 30th.

SUNDAY, November 30th.

- 3.0-5.30.—Programme *S.B. from London.*
- 8.30-10.40.—Programme *S.B. from Glasgow.*

MONDAY, December 1st.

- 3.30-5.0.—Music relayed from Kinnaird Hall.
- 5.0-5.15.—WOMEN'S TOPICS.
- 5.15-6.0.—CHILDREN'S CORNER.
- 7.0-11.0.—Programme *S.B. from London.*

TUESDAY, December 2nd.

- 5.15-6.0.—CHILDREN'S CORNER.
- 7.0-8.50.—Programme *S.B. from London.*
- 8.50-10.5.—Programme *S.B. from Glasgow.*
- 10.5-10.30.—Programme *S.B. from London.*

WEDNESDAY, December 3rd.

- 3.30-5.0.—Orchestral and Organ Music, relayed from Kinnaird Hall.
- 5.0-5.15.—WOMEN'S TOPICS.
- 5.15-6.0.—CHILDREN'S CORNER.
- 7.30-9.0.—Programme *S.B. from Glasgow.*
- 9.0-11.0.—Programme *S.B. from London.*

THURSDAY, December 4th, and SATURDAY, December 6th.

- 5.15-6.0.—CHILDREN'S CORNER.
- 7.0 onwards.—Programme *S.B. from London.*

FRIDAY, December 5th.

- 3.30-4.30.—Orchestral Music, relayed from Kinnaird Hall.
- 5.0-5.15.—WOMEN'S TOPICS.
- 5.15-6.0.—CHILDREN'S CORNER.
- 7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
G. A. ATKINSON. *S.B. from London.*
Local News.

Scottish Night.

MARY MORRISON (Soprano).
D. NICOLL CRAIG (Baritone).
JENNIE McMANN (Elocutionist).
THE McKENZIE PIPERS:

Under the Leadership of Pipe-Major John McKenzie.

- 7.30. Pipers.
March, "The Blue Bonnets Over the Border."
Strathspey, "Stirling Castle."
Reel, "Reel of Tulloch."
- 7.40. Soprano Songs.
"Braw, Braw Lads" .. *(34)*
"Comin' Thro' the Rye" .. *(34)*
"John Anderson, My Jo" .. *(34)*
- 7.50. Scots Reading.
"The Depootation" .. *W. Grant Stevenson*
- 8.0. Baritone Songs.
"Cam Ye By Atholl" .. *Neil Gow (25)*
"MacGregor's Gathering" .. *Alex. Lee (25)*
- 8.10. Pipers.
- 8.20. Scots Reading.
"Saunders McGlashan's Courtship" *Anon.*
- 8.30. Soprano Songs.
"Kind Robin Lo'es Me" .. *(34)*
"There Are Twa Bonnie Maidens" .. *(34)*
"O, Whistle and I'll Come to You, My Lad" .. *(34)*
- 8.40. Pipers.
- 8.50. Scots Reading.
"Ma New Lum Hat" .. *Anon.*
- 8.55. Pipers.
- 9.5. Baritone Songs.
"My Love is Like a Red, Red Rose" .. *arr. J. K. Lees (25)*
"Jock o' Hazeldean" .. *G. A. McFarren (25)*
- 9.15. Pipers.
- 9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. *S.B. from London.* Local News.
- 10.0. Pipers.
- 10.10. Scots Reading.
"Wee Johnnie Paterson" .. *W. G. Stevenson*
- 10.20. Pipers.
March, "Drunkin Piper."
Strathspey, "Maggie Cameron."
Reel, "High Way to Linton."
March, "South Hall."
Strathspey, "Miss Drummond of Perth."
Reel, "The Winds that Shake the Barley."
- 10.30.—Close down.

Edinburgh Programme.

2EH 328 M.

Week Beginning Sunday, November 30th.

SUNDAY, November 30th.

- 3.0-5.30.—Programme *S.B. from London.*
- 8.30-9.0.—The Very Rev. J. N. OGILVIE, D.D., Convenor of the Church of Scotland Foreign Mission Committee: Religious Address. Hymns by the Choir.
- 9.0-10.40.—Programme *S.B. from London.*

MONDAY, December 1st.

- 3.0-4.0.—The Station Pianoforte Trio.
- 5.0-6.0.—CHILDREN'S CORNER.
- 7.0-7.15.—Programme *S.B. from London.*
- 7.15-7.30.—Mr. JAMES PATERSON, R.S.A., P.R.S.W., R.W.S., on "Appreciation in Art" (4). Local News.
- 7.30.—"CARMEN." *S.B. from London.*
- 9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Prof. ALEXANDER FINDLAY. *S.B. from Aberdeen.* Local News.
- 10.0-11.0.—THE SAVOY BANDS. *S.B. from London.*

TUESDAY, December 2nd.

- 3.0-4.0.—The Station Pianoforte Trio.
- 5.0-6.0.—CHILDREN'S CORNER.
- 6.40-6.55.—Mr. H. Mortimer Batten, F.Z.S., "The Life-Story of a Pike" (1).
- 7.0-8.50.—Programme *S.B. from London.*
- 8.50-10.25.—Programme *S.B. from Glasgow.*

WEDNESDAY, December 3rd.

- 3.0-3.30.—Talk to Country Schools: Mr. J. C. SMITH, M.A. (of the Scottish Board of Education): "Great Stories of the World."
- 3.30-4.0.—The Station Pianoforte Trio.
- 5.0-6.0.—CHILDREN'S CORNER.
- 6.40-6.55.—Miss Rosaline Masson on "R. L. Stevenson." (Stevenson died December 3rd, 1894.) *S.B. to Glasgow and Belfast.*
- 7.0-11.0.—Programme *S.B. from London.*

THURSDAY, December 4th.

- 3.0-4.0.—The Station Pianoforte Trio.
- 5.0-6.0.—CHILDREN'S CORNER.
- 7.0-10.30.—Programme *S.B. from London.*
- 10.30-11.30.—"ROMANY REVELLERS," from the Dundee Palais de Danse.

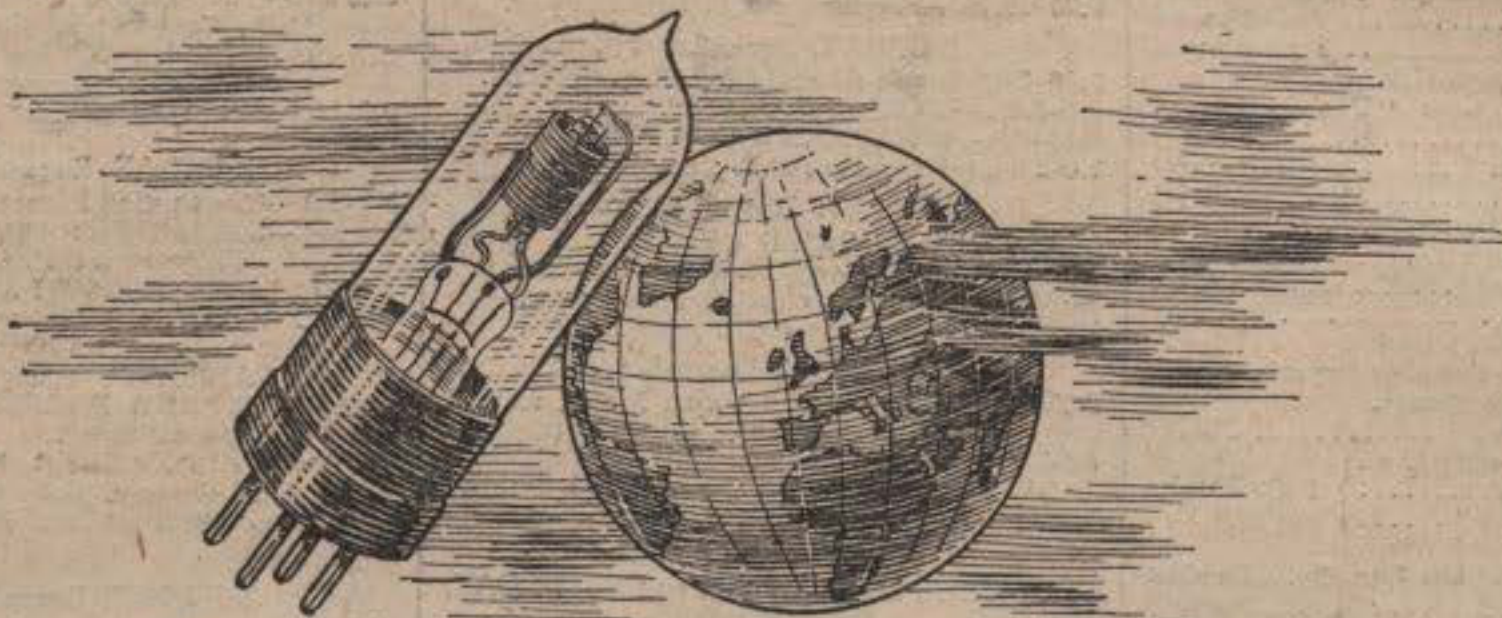
FRIDAY, December 5th.

- 3.0-3.15. } The Station Pianoforte Trio.
- 3.15-3.45. } Talk to Schools: Prof. H. J. O. GRIERSON, LL.D., Litt.D., on "Thomas Carlyle." (Born December 4th, 1795.)
- 4.30-5.15.—Orchestra Lecture-Concert for School Children, relayed from the Usher Hall.
- 5.15-6.0.—CHILDREN'S CORNER.
- 7.0.—WEATHER FORECAST and NEWS.
S.B. from London.
G. A. ATKINSON. *S.B. from London.*
Local News.

Vocal and Instrumental Recital.

- (Anniversary of the death of Mozart, December 5th, 1791.)
- ALICE McLAUCHLAN (Contralto).
- JEAN MARCEL (Solo Violoncello).
- REGINALD WHITEHEAD (Bass).
- 7.30. Alice McLauchlan.
"O Fatal Gift" ("Don Carlos") .. *Verdi*
- 7.40. Jean Marcel.
Sonata in A Major .. *Sammartini-Salmon*
- 7.50. Reginald Whitehead.
"Within These Sacred Bowers" ("The Magic Flute") .. *Mozart*
"The Calf of Gold" ("Faust") .. *Gounod*
- 8.0.—Mr. GEORGE MACDONALD, C.B., LL.D., F.B.A., on "The Romans in Scotland" (5).
- 8.15. Jean Marcel.
"Evening Song" .. *Schumann*
"Fileuse" .. *Fauré*
"Le Cygne" .. *Saint-Saens*
"Spanish Dance" .. *Poppel*
- 8.30.—Prof. D. F. TOVEY, Mus.Bac., of the University of Edinburgh, on "The Genius of Mozart," with Illustrations.

(Continued in col. 1.)



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Hull Programme.

6KH 335 M.

Week Beginning Sunday, November 30th.

SUNDAY, November 30th.

3.0-5.30. } Programmes S.B. from London.
8.30-10.40. }

MONDAY, December 1st, and WEDNESDAY, December 3rd.

3.0-3.30. } Robert A. Jackson and his Orchestra.
4.0-4.30. }
3.30-4.0. } WOMEN'S HALF-HOUR.
5.15-6.15. } CHILDREN'S CORNER.
6.45. } Boy Scouts' Talk. Dec. 3rd.
7.0-11.0. } Programme S.B. from London.

TUESDAY, December 2nd, THURSDAY, December 4th, and SATURDAY, December 6th.

3.0-3.30. } Claude Duval's Dance Orchestra,
4.0-4.30. } relayed from the City Hotel.
3.30-4.0. } WOMEN'S HALF-HOUR.
5.15-6.15. } CHILDREN'S CORNER.
7.0 onwards. } Programme S.B. from London.

FRIDAY, December 5th.

3.0-3.30. } Robert A. Jackson and his Orchestra.
4.0-4.30. }
3.30-4.0. } WOMEN'S HALF-HOUR.
5.15-6.15. } CHILDREN'S CORNER.
7.0. } WEATHER FORECAST and NEWS.
S.B. from London.
G. A. ATKINSON. S.B. from London.
Local News.

Wolfgang Amadeus Mozart.

(Born January 27th, 1756. Died December 5th, 1791.)

DOROTHY YORKE (Soprano).
GERALD KAYE (Tenor).
HAROLD ELLIS (Baritone).

HILDA EDWARDS (Solo Pianoforte).
EDWARD STUBBS' SALON ORCHESTRA AND PIANOFORTE QUARTET.

7.30. The Orchestra.
Overture, "Don Giovanni."
Harold Ellis.

"Qui sdegno non s'accende" ("The Magic Flute").
"Fin ch'han dal vino" ("Don Giovanni").
Pianoforte Solos.

"Variations in F Major."
"Adagio and Allegretto from Sonata in D Major."
The Orchestra.

The "Jupiter" Symphony, 1st Movement.
Dorothy Yorke.

Aria from the Opera, "Il re Pastore,"
"La-me-ro."

"Deh Vieni non Tardar" ("The Marriage of Figaro").
Quartet.

Quartet in G Minor, 1st Movement.
Gerald Kaye.

Aria, "Non Temer, Amato Bene."
Canzone, "Separazione e Speranza."
Pianoforte Solos.

Rondo in C, Fantasia in C Minor.
The Orchestra.

Serenade—Romance; Minuet; Rondo.
Harold Ellis.

"La Ven-detta"
"Non Pui Andrai" ("The Marriage of Figaro")
Dorothy Yorke.

"Vedrai Carino" ... } ("Don Giovanni")
"Batti Batti" ... }
The Orchestra.

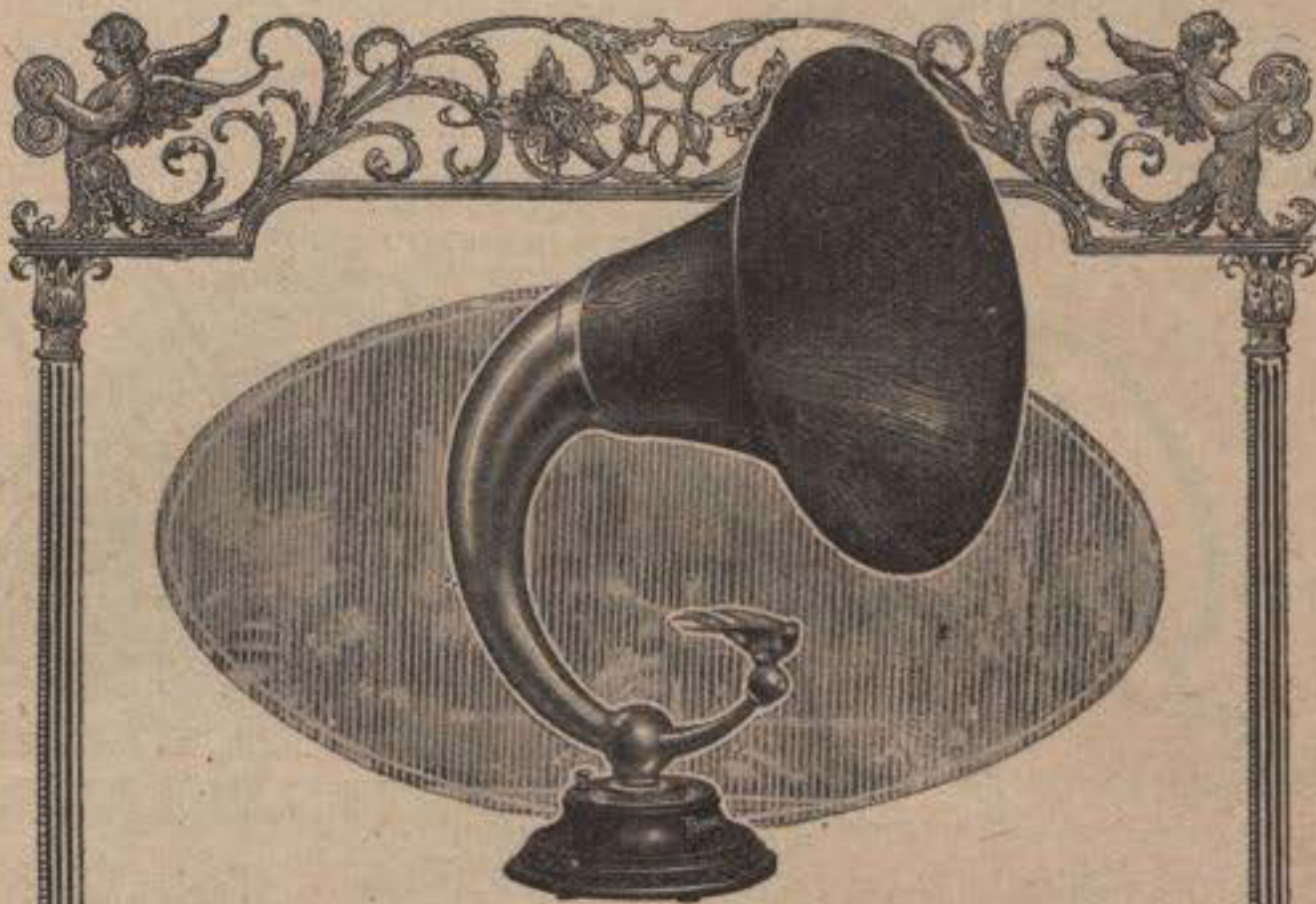
Minuets (From Divertimento in D.
From Symphony No. 39 in B. Flat.
Gerald Kaye.

Canzone, "Liberta."
Canzone, "Le Vecchia."
Canzone, "Il Mondo Ingannato."
The Orchestra.

Clarinet Divertimento, 1st Movement.
Overture, "Il Seraglio."

9.30. WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. S.B. from London.

Local News.
10.0.—Programme S.B. from London.
10.30.—Close down.



The New Brown Type Q

WHILE to many the Brown Type H1 (or the smaller H2) fulfils all the requirements for a Loud Speaker with unapproachable purity and volume at a moderate price, yet there are quite a number of Wireless enthusiasts who are desirous of a more luxurious instrument quite irrespective of initial cost.

For their benefit, therefore, we are now introducing the Brown Type Q—the Loud Speaker de Luxe—undoubtedly the last word in Loud Speaker design. Of pleasing proportions and symmetrical shape it incorporates a number of entirely new features. For instance, its two-piece sound conduit is a massive aluminium casting, combined with a mahogany flair. Both are highly polished—the latter being turned by hand by skilled wood craftsmen. Not only

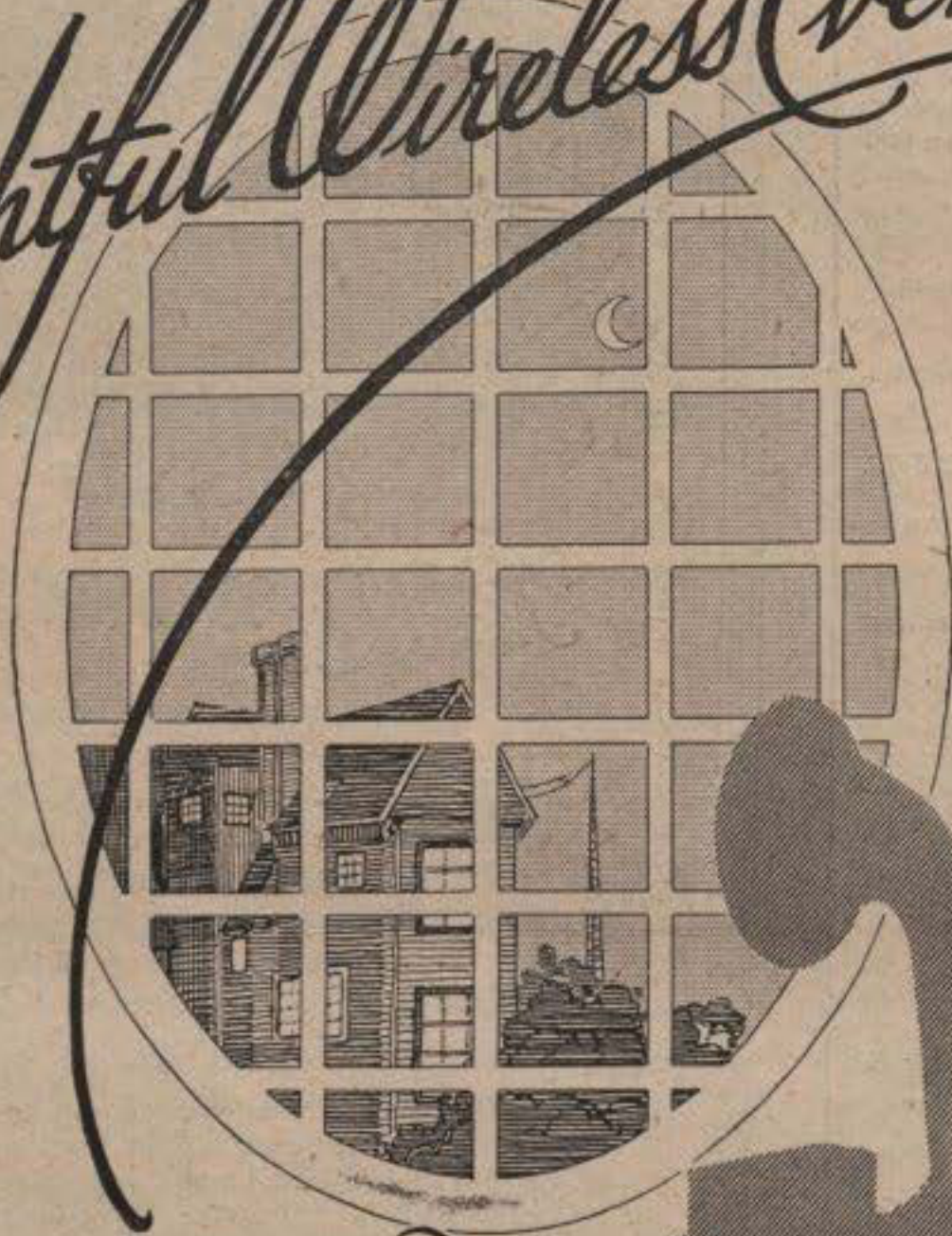
is the new Brown horn most beautiful to the eye, but its smoothness and scientifically correct design is responsible for an even greater volume without the slightest trace of harshness. A good Loud Speaker—like a piano—is an investment which can give much pleasure. Therefore, choose the best you can afford. The Brown Q-type Loud Speaker is supplied in resistances of 120 ohms and 4,000 ohms at £15 15 0

S. G. BROWN, Ltd., Victoria Road, North Acton, W.3.

Showrooms:
19, Mortimer St., W.1; 15, Moorfields, Liverpool;
67, High St., Southampton.

Brown

Delightful Wireless Evenings



*always assured
when using
WECOVALVES*



The delights of wireless reception are often entirely spoiled by inferior valves, and if this is so in your case there is only one remedy. Fit Wecovalues. Wecovalues are manufactured by the Western Electric Company, Ltd., and are celebrated for their silence

in operation, extreme sensitivity and economy.

The current consumption is extremely small, 0.8 to 1.1 volts at 25 amps., making the Wecovalve the premier dry cell valve of the day. Ask your dealer for particulars.

Price - - 25/-

Western Electric Company Limited

Connaught House, Aldwych, London, W.C.2. Central 7345 (9 lines).
Branches: Birmingham, Leeds, Manchester, Newcastle, Glasgow, Cardiff,
Southampton, Liverpool, Dublin.

Leeds—Bradford Programme.

2LS 346-310 M.

Week Beginning Sunday, November 30th.

SUNDAY, November 30th.

3.0-5.30. } Programmes S.B. from London.
8.30-10.40. }

MONDAY, December 1st, and SATURDAY, December 6th.

2.45-3.45.—The Station Trio, under the Direction of Percy Frostick.
5.15-6.15.—CHILDREN'S CORNER.
7.0 onwards.—Programme S.B. from London

TUESDAY, Dec 2nd, and THURSDAY, Dec. 4th.

2.30-4.0.—Harold Gee and his Orchestra, relayed from the Theatre Royal Cinema, Bradford.
4.45-5.15.—WOMEN'S HALF-HOUR.
5.15-6.15.—CHILDREN'S CORNER.
6.40-6.55.—"Chat on Golf," by Kolin Robertson.
Dec. 2nd.
7.0-10.30.—Programme S.B. from London.

WEDNESDAY, December 3rd.

3.30-4.30.—Bensley Ghent and his Orchestra, relayed from the Tower Picture House, Leeds.
5.15-6.15.—CHILDREN'S CORNER.
7.0-11.0.—Programme S.B. from London.

FRIDAY, December 5th.

3.30-4.30.—Bensley Ghent and his Orchestra.
5.15-6.15.—CHILDREN'S CORNER.
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.

G. A. ATKINSON. S.B. from London.
Local News.

THE "6FL" LIGHT ORCHESTRA.
Under the Direction of COLLIN SMITH.
IDA BLOOR (Soprano).

RISPAH GOODACRE (Contralto).
JOSEPH GREEN (Tenor).
COLLIN SMITH (Violoncello).
W. TOMLINSON (Clarinet).
GEORGE DALEY (Flute).
IVY SMITH (Pianoforte).

- 7.30. Orchestra.
March, "London Scottish" Haynes
Paraphrase, "Loreley" Nesvadba
- 7.40. Ida Bloor.
"I Love the Moon" Paul Rubens
"Lo! Here the Gentle Lark" Bishop
(With Flute Obbligato).
- 7.50. Ivy Smith.
"By the Brook" Arensky
"Improvisation" MacDowell
"Toccata" Sgambati
- 8.0. Rispah Goodacre.
"When the Swallows Homeward Fly"
M. V. White
"Blackbird's Song" Cyril Scott (4)
"Love Went A-Riding" Frank Bridge
- 8.8. Ivy Smith and W. Tomlinson.
"Grand Duo Concertante" Weber
- 8.20. Joseph Green.
"Once Again" Sullivan (1)
"I Pitch My Lonely Caravan" .. Coates
"Sea Rapture" Coates
- 8.28. Orchestra.
"Three English Dances" Roger Quilter (1)
- 8.37. Ida Bloor.
"Drummerdoon" W. Sanderson (1)
"The Lass with the Delicate Air" .. Arne
- 8.47. Collin Smith.
Sonata in G Major ... Sammartini-Salmon
- 8.59. George Daley.
Humoresque and Scherzo York Bowen
- 9.9. Joseph Green.
"Wir Wandelten" Brahms
"Brown is My Love"
"Fair House of Joy" Quilter (1)
- 9.17. Rispah Goodacre.
Selected.
- 9.25. Orchestra.
"Three Light Pieces" R. Somerville
- 9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. S.B. from London.
Local News.
- 10.0.—Close down.



Home to those Wonderful Mullard Valves

The rain and biting wind seem to lose their power when you think of the happy evening before your cosy fire with a perfect wireless concert.

Those Mullard H.F. and L.F. valves make such a wonderful difference. You could almost thank them for the splendid enjoyment they give.

You are going back to all that makes life worth living: a welcome meal, your arm-chair, your pipe, and then the pure joy of broadcasting concerts.

If you have not yet experienced the wonderful difference these Master valves make in your radio reception, purchase them on your way home to-day and complete the pleasure of your winter nights.

Mullard H.F. Red Ring Valves for—
H.F. AMPLIFICATION AND DETECTION, 12/6 each.

Mullard L.F. Green Ring Valves for—
L.F. AMPLIFICATION 12/6 each.

Ask your dealer for leaflet M8 and avoid accidents to your valves by using the Mullard Safety Disc, free on request.



The REAL long-distance valve.



The REAL pure-tone valve.

Mullard

THE MASTER VALVE

Obtainable from all Electricians, Wireless Dealers, Ironmongers, etc., etc.

Advertisement—The Mullard Radio Valve Co., Ltd. (R.T.),
Nightingale Works, Nightingale Lane, Balham, S.W.12.

Sept 8 1924
 DEVONSHIRE CLUB,
 51 JAMES'S S.W.1.
 To the British Thomson-Houston Co. Ltd.

Sir, It may perhaps interest you to know that during my recent experiments in reception of the B.B.C. stations upon the Jungfrau & other points in the Alps, I tested many makes of valves. The most successful gave by far the best all-round results were the B.T.H. B4 - one of which I consider equal to two of any other. I strongly advise every amateur to use them.

(Signed)
 WILLIAM LE QUEUX

What Mr William
 Le Queux
 thinks of the
 B.T.H.



B 4 Valve

6 Volts—0.25 Amps

MR. WILLIAM LE QUEUX the famous novelist and wireless experimenter, as the result of his Jungfrau experiments, has proved the superiority of the B.T.H. B.4 Valve—the supreme valve for use as a low frequency power amplifier.

Price - 35/-

Obtainable from all Electricians and Radio Dealers

The British Thomson-Houston Co. Ltd.

Works: Coventry.

Offices: Crown House, Aldwych, W.C.2

Branches at: Belfast, Birmingham, Bristol, Cardiff, Dublin, Glasgow, Leeds, Liverpool, Manchester, Middlesbrough, Newcastle, Swansea, Sheffield



Sir,
 It may perhaps interest you to know that during my recent experiments in reception of the B.B.C. stations upon the Jungfrau and other points in the Alps I tested many makes of valves. The most which gave by far the best all-round results were the B.T.H. B4 - one of which I consider equal to two of any other. I strongly advise every amateur to use them.

(Signed)
 WILLIAM LE QUEUX



2254 A



Headphones



B.T.H. Headphones are supreme in all respects—in sensitiveness, tone, permanence, and comfort. Although fitting closely to the ears and thus excluding extraneous sounds, very little pressure is exerted and they can be worn for hours without discomfort.

Price per pair (4000 ohms) - £1 5s. 0d.

A PROOF OF SUPERIORITY

Ask your dealer to tune out his demonstration set until you can only just hear. Then substitute B.T.H. Headphones and you will be amazed at the clearness with which you can hear every word and note of music.

We also make Crystal Sets, Valve-Crystal Sets, Valve Sets, Loud Speakers, Amplifiers, Valves (including B5-0.06 amps) and Tungar Battery Chargers.

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Branches at: Belfast, Birmingham, Bristol, Cardiff, Dublin, Glasgow, Leeds, Liverpool, Middlesbrough, Manchester, Newcastle, Swansea, Sheffield

2218

Liverpool Programme.

6LV 315 M.

Week Beginning Sunday, November 30th.

SUNDAY, November 30th.

3.0-5.30.—Programme S.B. from London.
 8.30.—Religious Service, relayed from Liverpool Cathedral.
 9.0-10.40.—Programme S.B. from London.

MONDAY, December 1st.

3.30-4.30.—Gaillard and his Orchestra, relayed from the Scala Super Cinema.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0-11.0.—Programme S.B. from London.

TUESDAY, December 2nd.

11.30-12.30.—Midday Concert.
 The "State Brighter Liverpool" Band, relayed from the State Café.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0-10.30.—Programme S.B. from London.

WEDNESDAY, December 3rd.

3.30-4.30.—Gaillard and his Orchestra.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0-11.0.—Programme S.B. from London.

THURSDAY, December 4th.

3.30-4.30.—Gaillard and his Orchestra.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0-10.30.—Programme S.B. from London.

FRIDAY, December 5th.

3.15-3.35.—Educational transmissions to Schools.
 4.0-5.0.—The "State Brighter Liverpool" Band.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0.—WEATHER FORECAST and NEWS, S.B. from London.
 G. A. ATKINSON. S.B. from London. Local News.

Liverpool Composers' Night.

ALICE VAUGHAN (Contralto),
 GEORGE HILL (Baritone),
 STANBURY AND BARRY (Entertainers).
 THE STATION SYMPHONY ORCHESTRA:

Under the Direction of GORDON E. STUTELY.
 Orchestra.

- 7.30. Comedy Overture Alfred Sutton
- 7.40. Contralto Songs.
 "When I Grow Old" Frederick Nicholls
 "Daybreak" Frederick Nicholls
 "Ask Me No More" (Love Songs of Tennyson) Frederick Nicholls
 (Accompanist: FREDERICK NICHOLLS.)
- 7.50. DOUGLAS MILLER (Solo Pianoforte) and Orchestra.
 Pianoforte Concerto ... Douglas Miller
- 8.10. Baritone Songs.
 (With String Quartet Accompaniment.
 "Once and There Was a Young Sailor" Norman
 "She's Me Forgot" Peterkin
 "Dubblo Di Deary")
- 8.20. Orchestra.
 Romance for Violin and Orchestra
 Gordon Stutely
 (Solo Violin: FRED BROWN.)
- 8.35. Contralto Songs.
 "A Song of the Rose" (Songs in Sun and Shade) Frederick Nicholls
 "Tears, Idle Tears" (Love Songs of Frederick Nicholls)
 "O Swallow" of Tennyson } Nicholls
 (Accompanist: FREDERICK NICHOLLS.)
- 8.45. Stanbury and Barry.
 In Original Song and Humour.
- 9.0. Orchestra.
 Suite, "The Joy of Life"
 Frederick Morrison
- 9.30.—WEATHER FORECAST and NEWS, S.B. from London.
 Sir GEORGE NEWMAN. S.B. from London. Local News.
- 10.0. Baritone Songs.
 "Song of Asano" ... }
 "I Heard a Piper" } ... Norman Peterkin
 "The Gallias" }
- 10.10. Orchestra.
 Suite, "The Open Road" Frederick Nicholls
- 10.30.—Close down.

SATURDAY, December 6th.

3.30-4.30.—Gaillard and his Orchestra.
 5.30-6.15.—CHILDREN'S CORNER.
 7.0-12.0.—Programme S.B. from London.



Louden



The Secret

10/-

Magicians and Sorcerers had their "Secrets of Healing," and "Secrets of Success," which they would dispense for a consideration, but in these less romantic times success is more apt to be won on sheer merit.

Take the case of the Loudon Valve. Four months ago it was unheard of—to-day there are thousands of enthusiastic "slaves of the lamp" who will never go back to the old type of valve. Why? Well, because however you consider the Loudon Valve it is a sound investment.

It costs only ten shillings. It takes so little current that your accumulators will last twice as long as they do with ordinary bright filament valves, and, in spite of the fact that the anode is "full of holes," volume is, if anything, above the normal, showing that a full use is made of the electron stream.

It is the unwanted charges that escape through the turns of the anode, and strangely enough this is precisely what we intend to happen.

It gives a silver clear reproduction which is the delight of all who have heard it, and the life of the filament is exceptionally long.

So naturally the Loudon is outstripping all other valves in popularity.

There is no secret—only merit.



The plain Loudon for detecting and Low Frequency Amplifying.
 The Blue Loudon for H.F. Amplification.
 Filament Volts 4.8-5
 Filament Amps 0.4
 Anode Volts 40-80.

FELLOWS WIRELESS

Manufactured throughout in Great Britain.
 All Loudons are Silver Clear and free from "mush."
 The current consumption is very low and the life long.

Louden Valves - Silver Clear

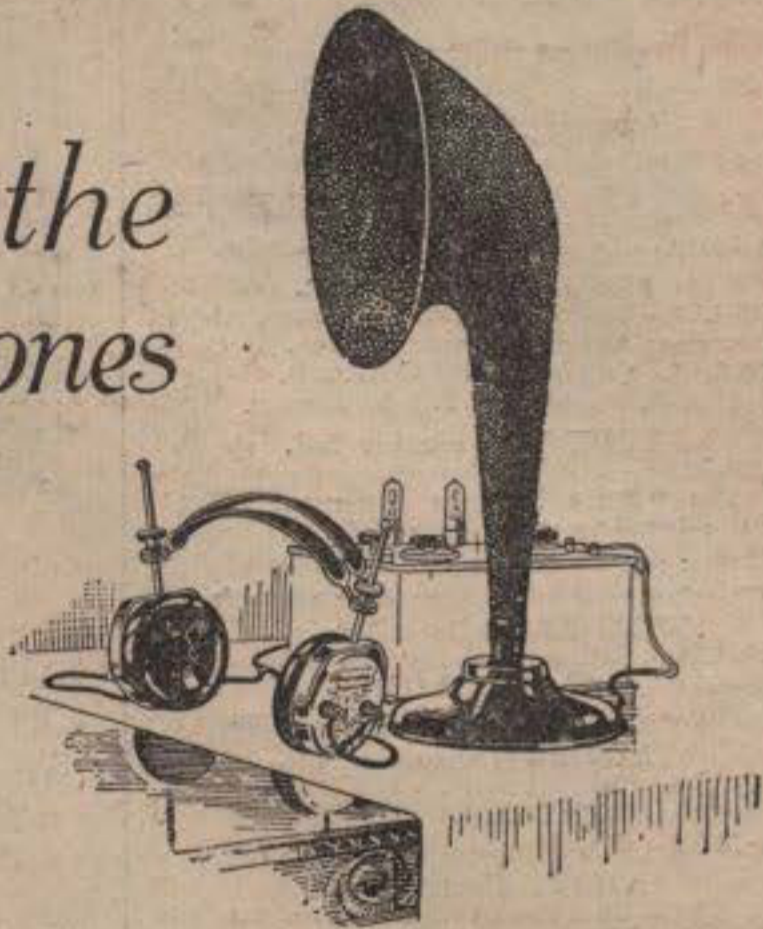
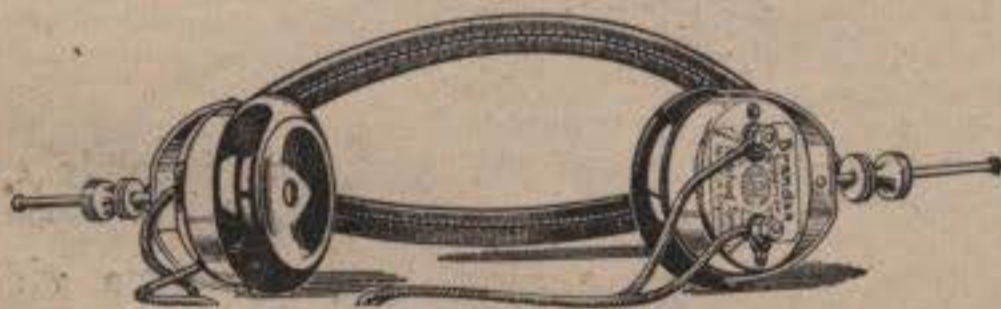
Tune the Table-Talker with the "Matched Tone" Headphones



The
Brandes
Family
Series.

BABY sits intently watching young Bill tuning up the receiver. He finds it mighty hard not to take up a roving commission among the shining accessories. He wonders devoutly to himself why Brother Bill should find it necessary to become involved in a mass of tangled wire and mutter whole-heartedly to himself. But he knows just what it will mean to him. In a little while the *Table-Talker* will speak easily and naturally of the many phantasies of his youthful imagination. Fascinated by the burnished discs and metal "Matched Tone" Headphones, he will be able to place them on his tender head with their gentle comfort, and listen to the sweet bell-like notes.

Ask your dealer for Brandes.



All Brandes products carry our official money-back guarantee, enabling you to return them within ten days if dissatisfied. This practically constitutes a free trial.

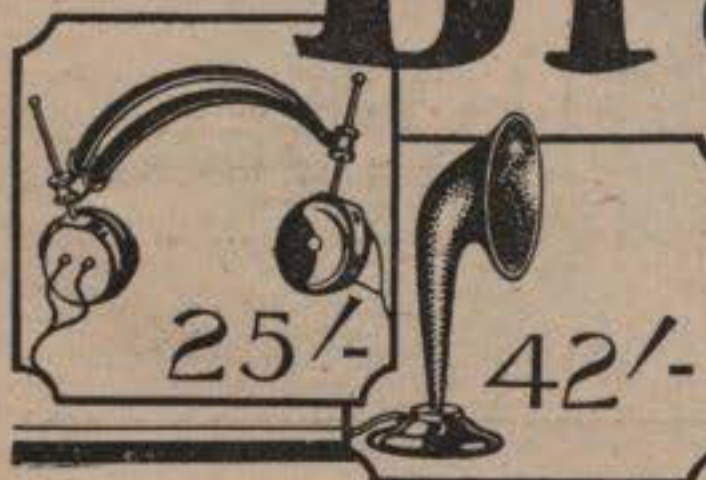
The "Matched Tone" feature means that both your ears hear exactly the same sound at the same instant—and you learn a new beauty of tone. They are tested and re-tested for just this one vital point, and in addition their strength, long-wearing comfort and reliable efficiency make them undoubtedly superior .. **25/-**

The *Table-Talker* is a Brandes quality product at a moderate price. The non-resonant, specially constructed horn is matched to the unit so that the air resistance produced will exactly balance the mechanical power of the diaphragm. This means beautiful sound-balance and remarkable tone qualities. It is twenty-one inches high, has a self-adjusting diaphragm and is finished a shade of neutral brown .. **42/-**

British Manufacture (B.B.C. Stamped).

Brandes

Result of
16 Years
Experience



The name
to know in Radio

Nottingham Programme.

5NG 322 M.

Week Beginning Sunday, November 30th.

SUNDAY, November 30th.

3.0-5.30.—CHILDREN'S SERVICE. *S.B. from London.*

8.30-9.0.—The Rt. Rev. The LORD BISHOP OF WINCHESTER. *S.B. from Bournemouth.*

9.0-10.40.—Programme *S.B. from London.*

MONDAY, Dec. 1st. and THURSDAY, Dec. 4th.

3.30-4.30.—Scala Picture Theatre Orchestra.

5.15-6.0.—CHILDREN'S CORNER.

6.0-6.15.—Teens' Corner.

6.40-6.55.—Scouts' Corner (Dec. 4th).

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

TUESDAY, Dec. 2nd & WEDNESDAY, Dec. 3rd.

11.30-12.30.—Gramophone Records (Dec. 3rd).

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

5.15-6.0.—CHILDREN'S CORNER.

6.0-6.15.—Teens' Corner.

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

FRIDAY, December 5th.

3.30-4.30.—Lyons' Café Orchestra.

5.15-6.0.—CHILDREN'S CORNER.

6.0-6.15.—Teens' Corner.

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

G. A. ATKINSON. *S.B. from London.*

7.30-9.30.—Concert.—Items contributed by DORIS CARTER (Soprano).

GLADYS JONES (Contralto).

FREDERICK MOUNTNEY (Solo Violin).

EDWARD LIVEING (Story teller).

9.30-10.30.—Programme *S.B. from London.*

SATURDAY, December 6th.

3.15-4.15.—Scala Picture Theatre Orchestra.

5.0-6.0.—CHILDREN'S CORNER.

7.0-7.30.—Programme *S.B. from London.*

7.30. William Turner's 19th Annual Concert.

Relayed from the Albert Hall, Nottingham.

DOROTHY SILK (Soprano).

NORMAN ALLIN (Bass).

BEATRICE HARRISON (Violoncello).

WILLIAM TURNER'S LADIES' PRIZE CHOIR.

THE NOTTINGHAM PHILHARMONIC SOCIETY.

Conductor, WILLIAM TURNER.

Ladies' Prize Choir.

Part Song, "To Primroses Filled with Morning Dew" Edmunds (15)

Bass Song.

"Il Lacerato Spirito" Verdi

Violoncello Solo.

Sonata Samartini

Part Songs.

"The Swallow Leaves Her Nest" Holst (2)

"The Spanish Gypsy Girl" ... Lassen (2)

Soprano Song.

"Caro Nome" Verdi

Bass Songs.

"The Harp Player" }
"The Seminarist" } Moussorgsky

Ladies' Prize Choir.

Part Song, "A Bird in Hand" Boeckel (5)

Philharmonic Society.

"Awake, Awake" Bunstock (11)

Soprano Songs.

"The Virgin's Slumber Song" Reger

"At the Well" Hageman

Bass Songs.

"Edward" Carl Loewe

Philharmonic Society. "The Fair of Almachara" Coleridge-Taylor

Violoncello Solos.

Danse Grecque Seligmann

Chant Hindoue Rimsky-Korsakov

Waltz Kreisler

Soprano Songs.

"I Will Walk with My Love" arr. H. Hughes

"The Lass With the Delicate Air" Philharmonic Society.

Part Song, "Tell Me, O Love" ... Parry (11)

9.30-12.0.—Programme *S.B. from London.*

Uncle Fellows calling!



The New Super-One.

Hello everybody! Another winter season well on its way. And a new Fellows set to help it along.

It seems as if the Super-One is just going to meet the popular demand, too. The crystal enthusiasts of last year are rapidly becoming the valve experts of this. And when they've seen my new set they won't take long to become enthusiasts as well.

Even I, who expected it, was quite enthusiastic about its performance. I sat in my house in London with my Lightweight Headphones on and heard Birmingham comfortably. And when I fitted the Amplifier, 2LO came in nicely on my Junior Loud Speaker. A good aerial and earth of course, but not a bad performance all the same, and the reproduction was perfect.

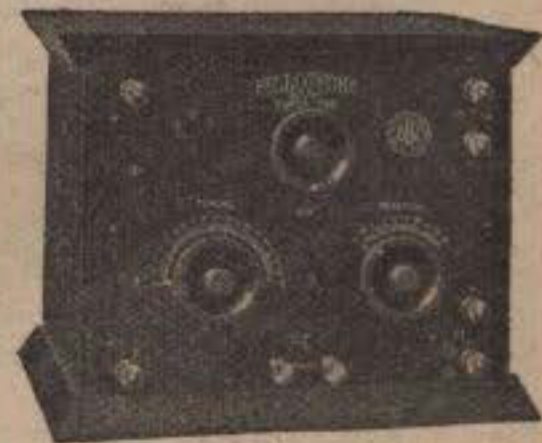
It looks such a handsome little set too. Mounted in a neat black cabinet it's an ornament to any room. So is the amplifier which is finished in exactly the same manner.

I don't think I need say much about the price. Our policy holds good for the Super-One as it does for all our sets.

Quality apparatus at low cost.

Uncle Fellows

FELLOWS WIRELESS



Super-One Valve Set.
Price of Cabinet with Fellows Loading coil, £1 10 0
or
Set complete with Headphone, valve, Fellows loading coil, 6V. Accumulator, H.T. Battery, Aerial and Insulators.
Price, £7 0 0
Marconi Tax extra in each case, 12/6
Price of Amplifier, £3 0 0
or
Amplifier complete with H.T. Battery, 6-Volt Accumulator and valve, £5 5 0
Marconi Tax extra in each case, 12/6.

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G.P.S.81.

BUY THIS SPLENDID XMAS NUMBER



GRAND DOUBLE NUMBER ON SALE EVERYWHERE, Dec. 1st

Build the great new 4-valve T.A.T. RECEIVER,
a brilliantly successful set working on a new
system of multi-stage H.F. amplification!

1/6
PER COPY.

This fascinating article by John Scott-Taggart, F.Inst.P., A.M.I.E.E., the Editor of "MODERN WIRELESS," gives the fullest constructional details of a 2 H.F. set built purely and simply for long-range reception. The fact that this is the first straight 2 H.F. set described by the Author, whose reputation in valve circles is unrivalled is significant in itself. Six B.B.C. Stations varying from 50 to 350 miles, figure in the detailed test report as giving excellent *loud-speaker* results. Another very important article is a complete account of the Armstrong

Superheterodyne and its recent development by Edwin H. Armstrong the great inventor himself. Mr. Harris, Editor of "THE WIRELESS CONSTRUCTOR," also contributes a very interesting constructional article on a new 3-valve set. Mr. J. B. Barber has an article of great interest dealing with Loose-Coupled Single valve set, while Mr. A. D. Cowper, M.Sc., contributes a very special article on reception on the Ultra Short Waves, a new intriguing field of work almost unknown to many.

PLACE YOUR ORDER IMMEDIATELY.

(SPECIAL DOUBLE XMAS NUMBER)

MODERN WIRELESS

Advt. of The Radio Press, Ltd., Bush House,
Strand, London, W.C.2.

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By EDWIN H. ARMSTRONG.
- MAKING A 4-VALVE T.A.T. RECEIVER.
By JOHN SCOTT-TAGGART,
F.Inst.P., A.M.I.E.E.
- A Reinartz Receiver for Plug-in Coils.
By Percy W. Harris.
- A Home 3-Valve Receiver.
By E. Redpath.
- A 2-Valve Power Amplifier.
By John Underdown.
- A New Design of Crystal Set.
By Stanley G. Rattee, M.I.R.E.
- A Loose-Coupled Single Valve Set.
By J. W. Barber.
- Latest Continental Broadcasting Tables.
By Capt. L. F. Plugge,
B.Sc., F.R.Ae.S., F.R.Met.S.
- Reception on the Ultra Short Waves.
By A. D. Cowper, M.Sc.

And numerous other interesting and well illustrated articles, hints and tips, etc.

Plymouth Programme.

5PY 335 M.

Week Beginning Sunday, November 30th.

SUNDAY, November 30th.

3.0-5.30. } Programmes S.B. from London.
8.30-10.40. }

MONDAY, December 1st, TUESDAY, December 2nd, and WEDNESDAY, December 3rd.

3.30-4.30.—Ernest Manning and his Orchestra, relayed from the New Palladium Cinema. Vocalist, Dorothy Lincoln (Soprano).

5.30-6.30.—CHILDREN'S CORNER.
7.0 onwards.—Programme S.B. from London.

THURSDAY, December 4th, and SATURDAY, December 6th.

4.0-5.0.—Albert Fulbrooke and his Trio, relayed from the Royal Hotel.

5.30-6.30.—CHILDREN'S CORNER.
7.0 onwards.—Programme S.B. from London.

FRIDAY, December 5th.

3.30-4.0. Talks to Schools.
Mr. G. P. DYMOND, M.A., "History."
Mr. W. P. WEEKES, A.R.A.M., "The Appreciation of Music."

4.0-5.0.—Albert Fulbrooke and his Trio, relayed from the Royal Hotel.

5.30-6.30.—CHILDREN'S CORNER.
7.0.—WEATHER FORECAST and NEWS.
S.B. from London.

G. A. ATKINSON. S.B. from London.
Local News.

Operatic Night.

ALICE LAKIN (Contralto).
ARTHUR MARTEN (Tenor).

BAND OF H.M. ROYAL MARINES
(PLYMOUTH DIVISION).

(By permission of Col. Comm. F. C. Edwards and Officers R.M.)
Director of Music,

Lieut. P. S. G. O'DONNELL, M.V.O.

7.30. The Band.
Overture, "Rosamunde" Schubert
Selection, "The Geisha" .. Sidney Jones
Alice Lakin.

"When Two are Parted" ("Giulio Sabino") Secchi, arr. A. L.
(With Orchestral Accompaniment.)

"O Peaceful England" ("Merrie England") German

8.0. The Band.
Selections—
"Carmen" Bizet
"The Lilac Domino" .. Cu villier (6)
Arthur Marten.

"La Donna & Mobile" ("Rigoletto")
Verdi

"Ah, Moon of My Delight" ("In a Persian Garden") Lisa Lehmann

8.30. The Band.
Selections—
"Madame Pompadour" Leo Fall
"Toni" Hirsch

Half-an-Hour's Interlude.
"Life," by CASSIUS.

JOHN HENRY (Entertainer).
Alice Lakin.

Recit. and Aria, "Che faro" ("Orfeo")
Gluck
(With Orchestral Accompaniment.)

"Danny Boy" (Old Londonderry Air)
arr. Weatherly (1)

9.30.—WEATHER FORECAST and NEWS.
S.B. from London.
Sir GEORGE NEWMAN. S.B. from London.
Local News.

10.0. Arthur Marten.
"On With the Motley" ("I Pagliacci")
Leoncavallo

"Molly Morgan" (Song Cycle Eight Balladettes) Herbert Oliver (8)

10.10. John Henry.
The Band.
Selection, "The Tales of Hoffmann"
Offenbach

10.30.—Close down.



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An international education for users of Cossor Valves

A YEAR ago Continental Broadcasting, as received in this country, was more a matter for the experimenter. But to-day a great change has been wrought. New Stations in every European country are springing up almost overnight! Splendid programmes are now available for all who will take the trouble to equip themselves for it. From Scandinavia to Spain the ether is alive—take advantage of it.

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Detector. These two valves have been definitely worked out as a combination where the greatest efficiency is required.

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Sheffield Programme.

6FL 301 M.

Week Beginning Sunday, November 30th.

SUNDAY, November 30th.

3.0-5.30.—Programme S.B. from London.
 8.15. Service.
 Relayed from the Nether Congregational Chapel.
 Preacher, The Rev. P. M. MEDCRAFT.
 9.0-10.40.—Programme S.B. from London.

MONDAY, Dec. 1st, to THURSDAY, Dec. 4th.

11.30-12.30.—Gramophone Records.
 3.30-4.30.—Afternoon Concert.
 5.0-5.30.—WOMEN'S HALF-HOUR.
 5.30-6.30.—CHILDREN'S CORNER.
 7.0 onwards.—Programme S.B. from London.

FRIDAY, December 5th.

11.30-12.30.—Gramophone Records.
 3.30-4.30.—Programme S.B. from Birmingham.
 5.0-5.30.—WOMEN'S HALF-HOUR.
 5.30-6.30.—CHILDREN'S CORNER.
 6.45-7.0.—Eric N. Simons on "Novelists."
 7.0.—WEATHER FORECAST and NEWS.
 S.B. from London.
 G. A. ATKINSON. S.B. from London.
 Local News.

Popular Night.

7.30.
 ENA ROBERTS (Contralto).
 LEONARD ROBERTS (Baritone).
 HARRY SKERRITT (Tenor).
 MABEL BAKER (Soprano).
 RALPH N. H. LAUGHTON (Solo Clarinet and Saxophone).
 GEORGE JEFFERSON (Accompanist).
 Harry Skerritt and Leonard Roberts.
 Duet, "The Battle Eye" ... Theo. Bonheur
 Clarinet Solo.
 Concertino No. 2 Vanden Boegaerds
 Ena Roberts.
 "Beloved, It Is Morn" F. Aylward
 "My Ships" Barratt (1)
 "Love's Old Sweet Song" Molloy (1)
 Leonard Roberts.
 Selected.
 Clarinet Solos.
 "Croon Song" } W. Y. Hurlstone
 Intermezzo }
 Harry Skerritt.
 "Jane" Lois Barker (1)
 "Mother o' Mine" Frank E. Tours
 "Sigh No More" W. A. Aikin (14)
 Harry Skerritt and Mabel Baker.
 "The Misereere Scene" Verdi (11)
 Saxophone Solos.
 E Flat Alto, "Le Cygne" .. Saint-Saens
 Humoreske Deorak
 Mabel Baker.
 Traditional Songs.
 Ena Roberts.
 "Sink, Red Sun" Teresa del Riego
 "In An Old-Fashioned Town" .. Squire (1)
 "Until" Sanderson (1)
 Saxophone Solos.
 B Flat, "The Piggly Wiggle" } Edward C.
 "Laf-N-Sax" } Barroll
 Leonard Roberts.
 "Simon the Cellarer" G. L. Hatton
 "Star of Eve" Wagner
 "The Border Ballad" .. F. H. Cowen (1)
 9.30.—WEATHER FORECAST and NEWS.
 S.B. from London.
 Sir GEORGE NEWMAN. S.B. from
 London. Local News.
 10.0. Harry Skerritt.
 "Song of Thanksgiving" .. F. Allitsen (1)
 Harry Skerritt and Leonard Roberts.
 Duet, "Watchman, What Of the Night?"
 Sargeant (1)
 "Two Gentlemen of Tore" Godfrey Mayne
 10.30.—Close down.

SATURDAY, December 6th.

3.30-4.30.—Programme S.B. from Manchester.
 5.0-5.30.—WOMEN'S HALF-HOUR.
 5.30-6.30.—CHILDREN'S CORNER.
 7.0.—Programme S.B. from London.
 Station Director's Talk. Local News.
 7.30-12.0.—Programme S.B. from London.



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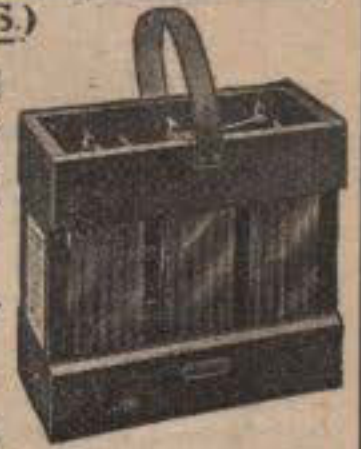
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2	100 "	18/6	3/-	6	40 "	29/6	3/9
4	40 "	20/6	3/6	6	60 "	37/-	3/9
4	60 "	25/-	3/-	6	80 "	44/6	3/9
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Stoke - on - Trent Programme.

6ST 306 M.

Week Beginning Sunday, November 30th.

SUNDAY, November 30th.

9-5.30.—Programme S.B. from London.
 8.30.—Hymn 403, "Jesus Calls Us."
 Religious Address: The Rev. F. J. Key, M.A., Rector of Skelton and Rural Dean of Stoke-on-Trent.
 Hymn 46, "The Advent of the King."
 9.0-10.40.—Programme S.B. from London.

MONDAY, December 1st, and WEDNESDAY, December 3rd.

3.30-4.30.—The Majestic Cinema Orchestra: Musical Director—Thomas Beckett.
 5.0-6.0.—CHILDREN'S CORNER.
 7.0-11.0.—Programme S.B. from London.

TUESDAY, December 2nd, and THURSDAY, December 4th.

3.30-4.30.—The Majestic Cinema Orchestra: Musical Director—Thomas Beckett.
 5.0-6.0.—CHILDREN'S CORNER.
 7.0-10.30.—Programme S.B. from London.

FRIDAY, December 5th.

3.30-4.30.—The Majestic Cinema Orchestra: Musical Director—Thomas Beckett.
 5.0-6.0.—CHILDREN'S CORNER.
 7.0.—WEATHER FORECAST and NEWS. S.B. from London.
 G. A. ATKINSON. S.B. from London.
 Local News.

Orchestral and Dramatic Evening.
 HERBERT E. SHERWIN'S STRING ORCHESTRA.

WILLIAM MACREADY.
 EDNA GODFREY-TURNER.
 DORA VANDRAY (Soprano).

7.30. The Orchestra.
 Suite for Strings Purcell-Hurlstone (2)
 (1) Prelude; (2) Saraband; (3) Minuet;
 (4) March.
 7.45. William Macready and Edna Godfrey-Turner.
 Selections from their Shakespearean Repertoire.
 8.15. The Orchestra.
 "Moment Musical" Schubert
 Entr'acte, "Loin du Bal" Gillet
 8.23. Soprano Songs.
 "Now Sleeps the Crimson Petal"
 Quiller (1)
 "Sing, Sweet Bird" Gauz
 8.33. The Orchestra.
 Prelude Music Julius Harrison (2)
 Holberg Suite Grieg
 (1) Prelude; (2) Saraband; (3) Gavotte;
 (4) Air; (5) Rigaudon.
 8.45. "MARRIED LIFE."
 A Farce in One Act by Donald Edwards.
 Helen EDNA GODFREY-TURNER
 Archie WILLIAM MACREADY
 Scene: A Morning Room.
 9.30.—WEATHER FORECAST and NEWS.
 S.B. from London.
 Sir GEORGE NEWMAN. S.B. from London.
 Local News.
 10.0. Soprano Songs.
 "Rose Softly Blooming" Spohr
 "The Cuckoo" Liza Lehmann (1)
 10.10. The Orchestra.
 "St. Paul's Suite" Gustav Holst (2)
 (1) Jig; (2) Ostinato; (3) Intermezzo;
 (4) The Dargason.
 Finale from Suite on Russian Themes
 Tchaikovsky
 10.30.—Close down.

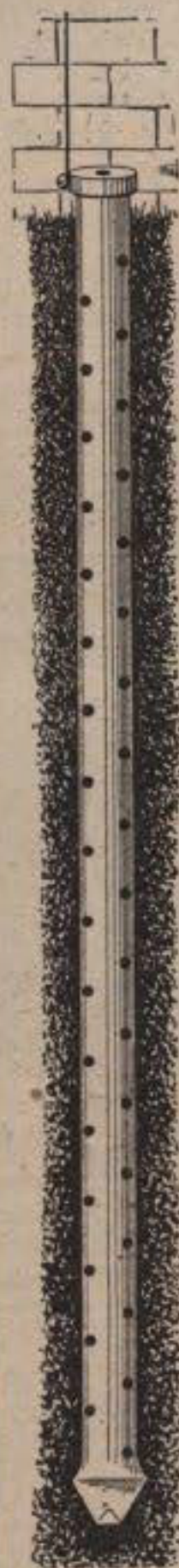
SATURDAY, December 6th.

3.30-4.30.—The Majestic Cinema Orchestra: Musical Director—Thomas Beckett.
 5.0-6.0.—CHILDREN'S CORNER.
 7.0-12.0.—Programme S.B. from London.

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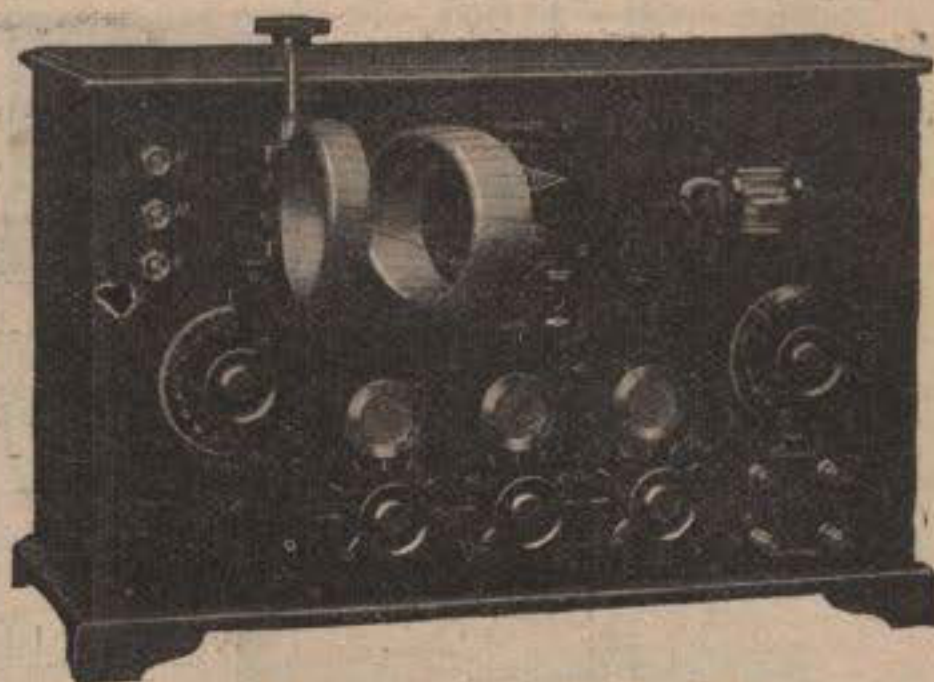
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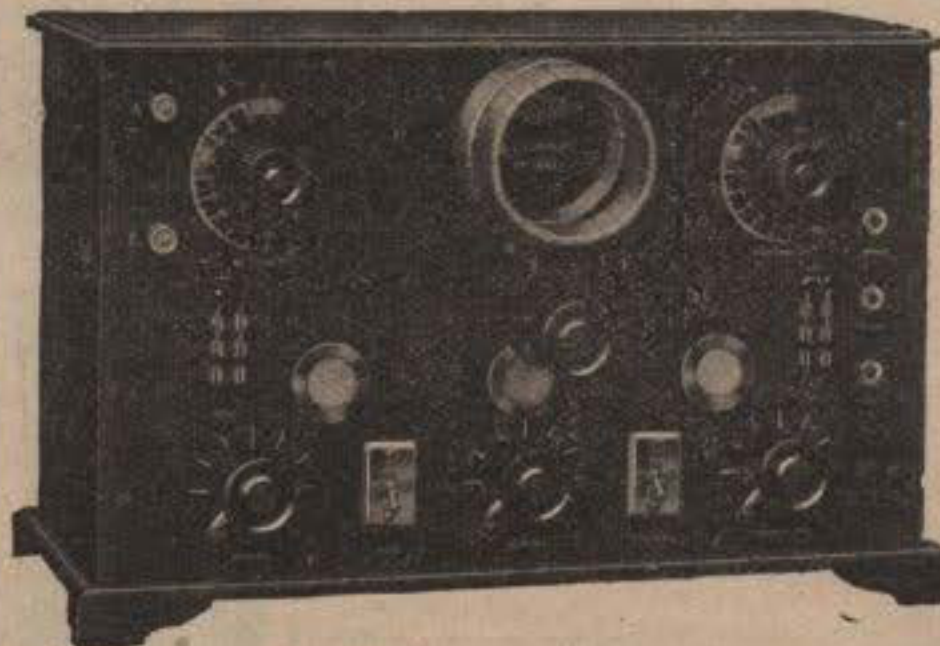
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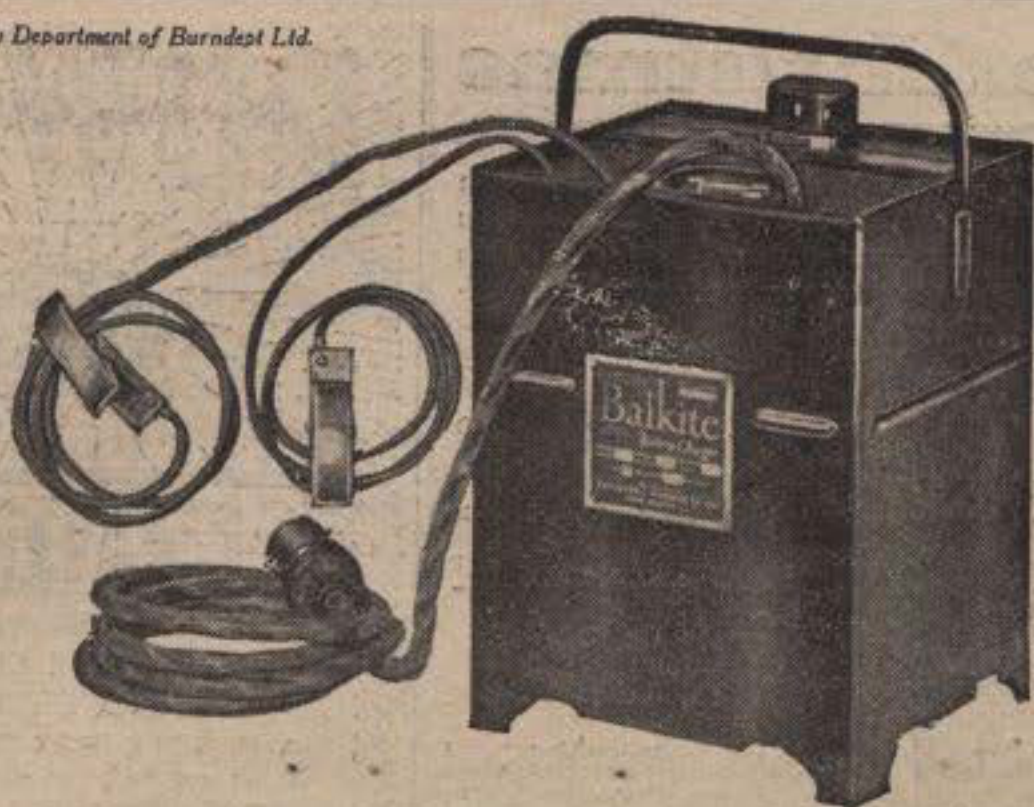
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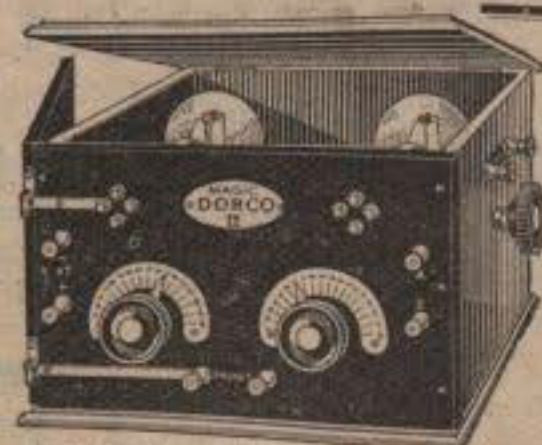
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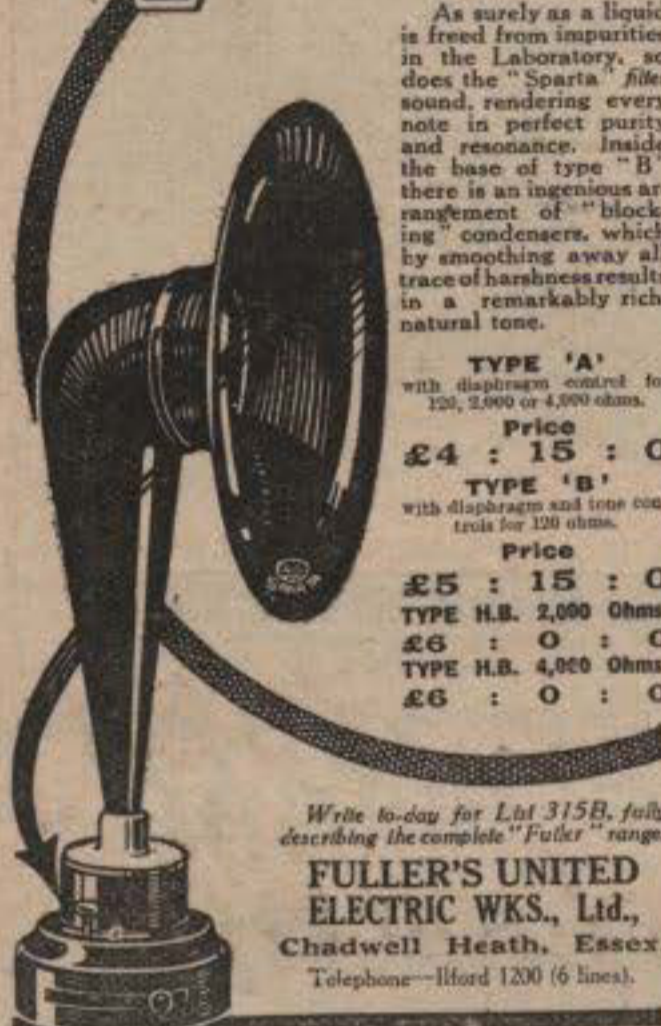
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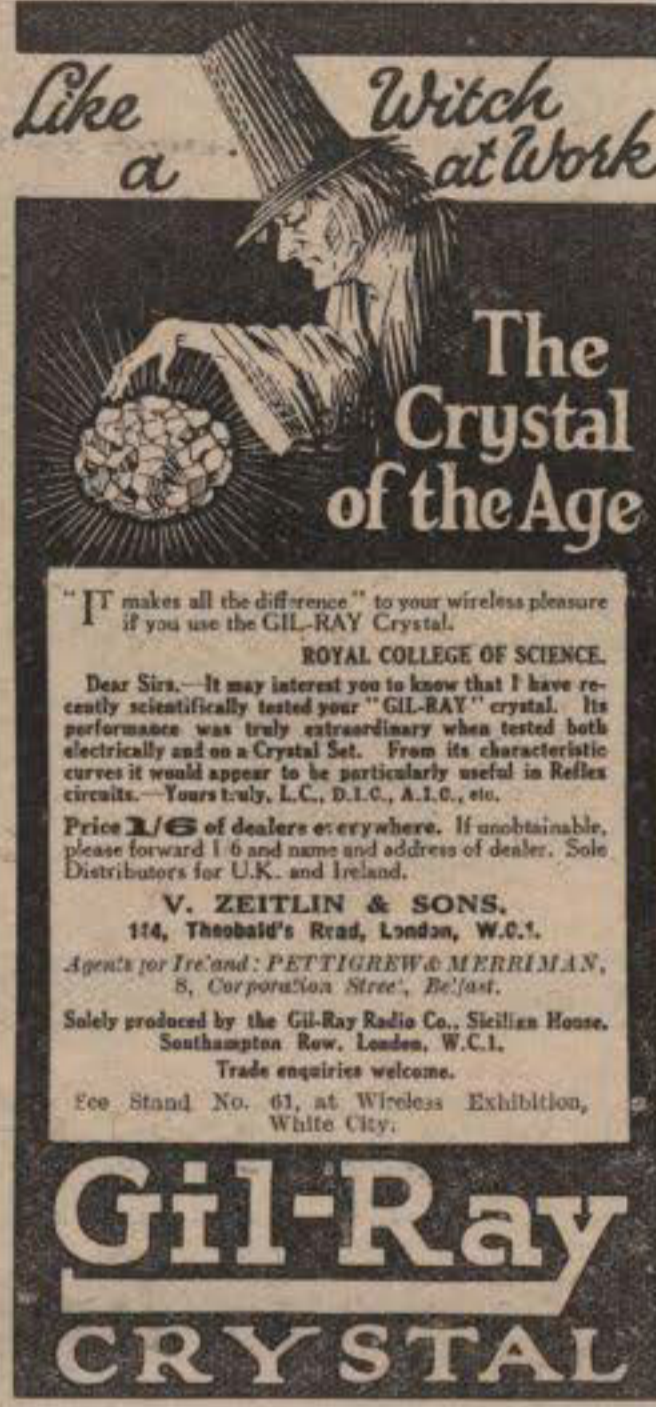
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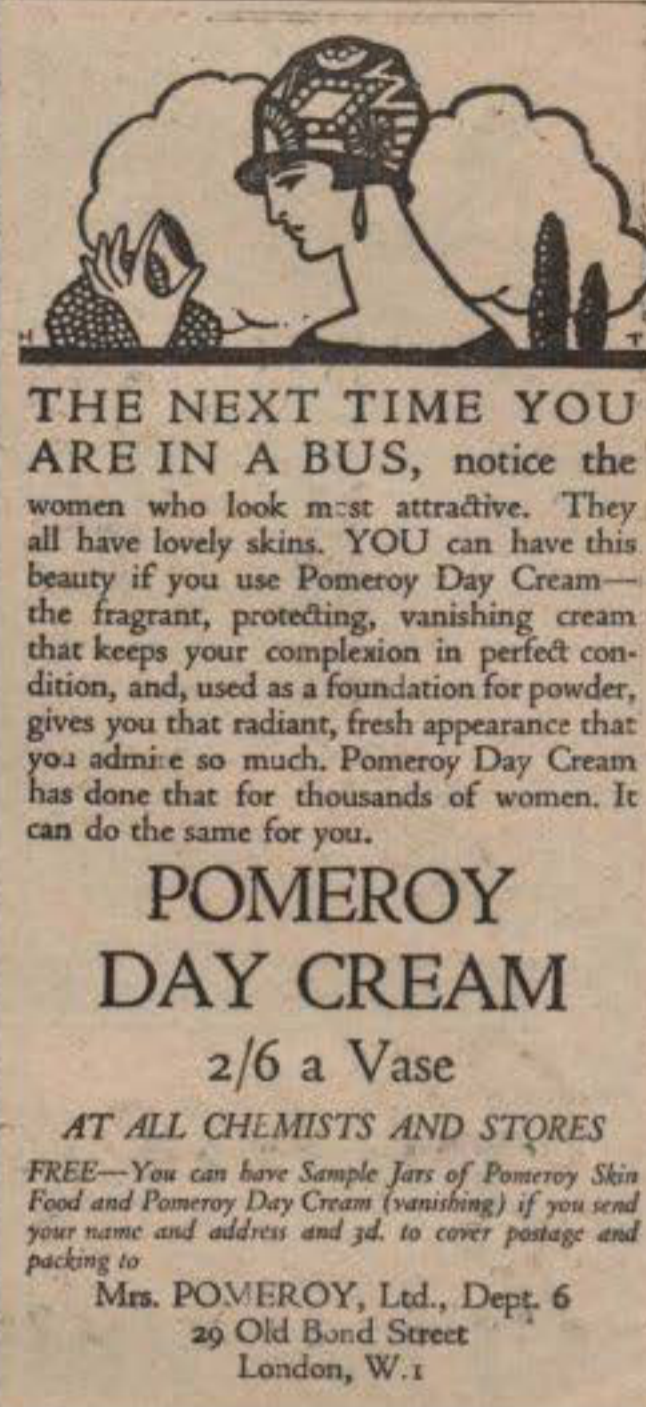
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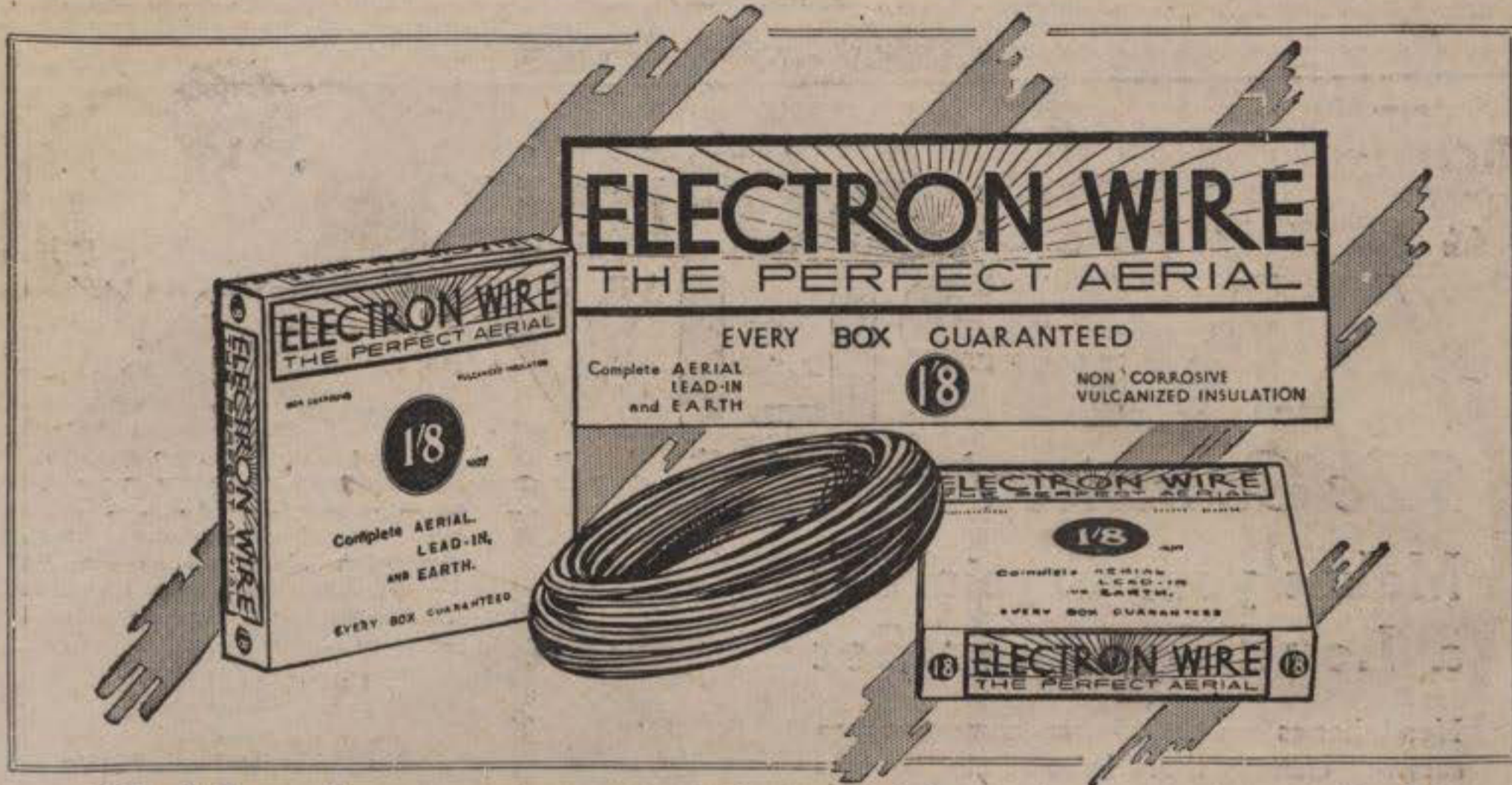
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NOW, the experimenter who is not careful may be influenced by the shopkeeper dependant upon occasional sales and



The Careless man with the bulky parcel of costly incidentals.

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The Combined Loud Speaker & Amplifier

**Makes your Crystal Set
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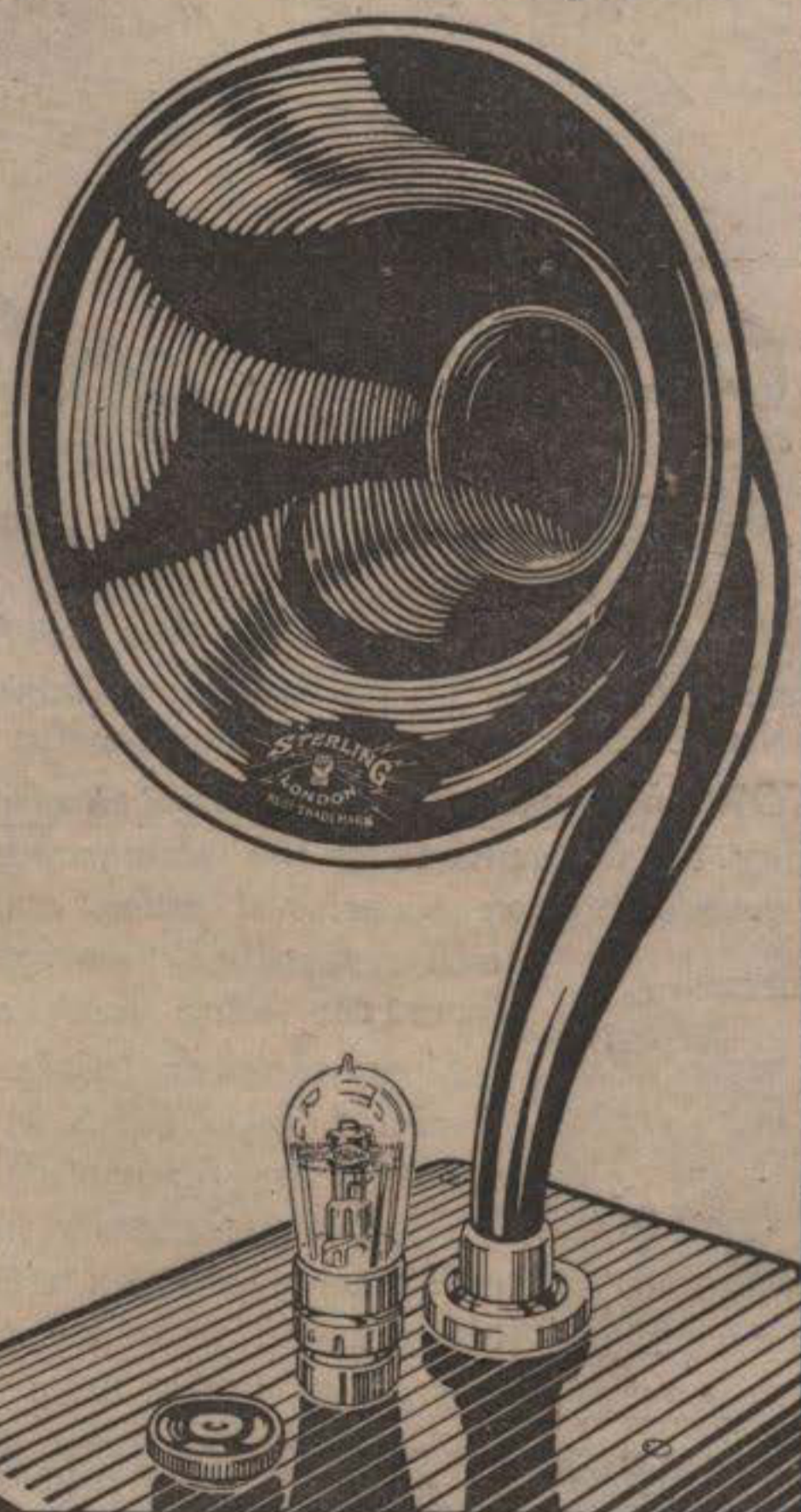
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