

SPECIAL ARTICLE BY GEORGE A. BIRMINGHAM.



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, JULY 6th.

- | | |
|------------------------|------------|
| LONDON | CARDIFF |
| ABERDEEN | GLASGOW |
| BIRMINGHAM | MANCHESTER |
| BOURNEMOUTH | NEWCASTLE |
| SHEFFIELD (Relay) | |
| PLYMOUTH (Relay) | |
| EDINBURGH (Relay) | |
| LIVERPOOL (Relay) | |
| LEEDS—BRADFORD (Relay) | |

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By George A. Birmingham.

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By Sir William Bragg.

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A MASTER OF ORATORIO.
By R. D. S. McMillan.

OFFICIAL NEWS AND VIEWS.

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

The New Regulations.

THE new regulations governing the use of wireless receiving apparatus came into operation last Tuesday. It is now a much simpler matter to obtain a licence; it is also cheaper for a large proportion of the public. Various conditions and restrictions have been removed, the constructors now paying the same as those who buy complete sets—a five-shilling saving. Tariffs are abolished, and complete sets can therefore be bought cheaper. There is but one condition—British goods only—not even B.B.C. member firms only.

Whether prospective listeners are to buy a complete manufactured set, or are making up their own set, or are to take a set constructed by amateurs, the licence cost is the same, ten shillings. Their sole responsibility is the signing of a declaration in applying for the licence, and therein undertaking that, whatever be the nature of the apparatus they use, the components or the complete set will be of British manufacture. These licences can be obtained at practically any post office, over the counter.

For those who are genuine experimenters, and who satisfy the Post Office that they are such, the experimental licence is still available; this permits of the use of foreign parts. These licences are obtainable only from the General Post Office in London. The arrangement whereby the holder of an experimental licence pays five shillings extra if he wishes to receive broadcast programmes has disappeared.

It is all very nice and simple and cheap, but it took a deal of consideration before the B.B.C. made the proposals which carry so radical and drastic a revision in the licensing regulations. It involves a large financial concession in respect of revenue to the Company; secondly, it involves the withdrawal of special privileges which were held by the fourteen hundred manu-

facturing members of the B.B.C. Formerly, with the ten-shilling licence only, sets made by them and carrying our trade mark could be used. Originally, when the Company was started, this was the sole kind of apparatus that was licensable at all; then came the alternative and more expensive constructor's licence, and now the uniform licence.

Now there is still quite an amount of evasion of licences. There may have been some confusion before—the regulations were certainly a little complicated, and some people found themselves in possession of sets which, strictly speaking, were not licensable at all. To this extent, although it is only a small extent, there was some sort of excuse for evasion—there is none now.

Between now and the end of the year the B.B.C. have, as I have said, by their proposals foregone a considerable sum of money. Do not imagine that their revenue is so great there is no need for more. Expenditure increases every week, new stations are being opened, and all the time technical improvements are being developed and incorporated in the system. The Programme Department are continually trying to surpass themselves, and give better and bigger and more interesting events. No matter how great the revenue, it can all go into the service, and be spent with the same care and efficiency.

We want it to be realized that the B.B.C. have put up these simpler and cheaper regulations to the Post Office in the interest of their listeners, present and future. It is part of the stated policy of making the service as accessible as possible. Will you show your appreciation of it, and let us hear no more talk of evasion of licences and so on? Evasion is very un-sporting, to say the least of it.

(Continued overleaf in column 3.)

The Master of Oratorio.

Handel's Life and Work. By R. D. S. McMillan.

FOR all his German birth and upbringing, Handel might almost be declared to be an Englishman. Indeed, in point of fact, he *was* an Englishman, for he became a naturalized British subject in 1726. For more than forty years he lived in London; by far the greatest of his works were conceived and saw the light here; and here it was, too, that he fought the battle between success and failure, a struggle that was waged all his life with varying fortune.



GEORGE FRIDERIC HANDEL.

London he chose to make the centre of all his hopes and aspirations; and when his familiar figure passed for ever from its streets, it was to find an honour such as which every Englishman dreams of—a last resting place in Westminster Abbey.

Not only had Handel to face the "slings and arrows," but when he was at last about to reap the harvest which his glorious heritage had won for him it was to find himself confronted with a tragedy which has its nearest parallel in the deafness of Beethoven. For Handel became blind. Fortunately for the world he had already given to posterity his immortal "Messiah." Nothing could have robbed him of his niche in the gallery of the world's greatest.

His First Success.

George Frideric Handel came to London in 1710. He had been born in Halle, in Saxony, twenty-five years before. At the age of ten he was an organist as well as a composer of no mean ability. At twenty-two we find him in Italy studying Italian opera. By the time he reached England he had more than one opera to his credit but fame had passed him by and he felt the call to create something that would stamp him as a master. It was not, however, merely a desire to make a name or to win wealth for himself—vain hope!—that spurred him on to further heights; the urge to make articulate the melody that was within him was greater than himself. His first notable work in London was "Rinaldo," and it seemed as if at one fell swoop all the glory he had dreamed of had come his way. The work made a tremendous hit, so much so that soon all the plagiarists and musical pirates were nibbling at it. The Grand March, for instance, was stolen for "The Beggar's Opera," and set to the highwayman's song, "Let us Take to the Road," a song which is said to have created an appalling number of vagabonds!

A Succession of Failures.

After this success, Handel returned to Hanover for a time and when he once more crossed the Channel to take up his abode finally in England, the first of the work he produced was received with complete coldness, this being a fair instance of the ups-and-downs that were to be his throughout his life. The coming of a Hanoverian king changed Handel's luck a trifle and he became Court musician to George I. and, later, George II. When the latter's Queen, Caroline, died, he wrote one of the finest of his works at this period—the "Funeral Anthem." For all the royal favour, however, times there were when he was forgotten altogether, particularly when any of his operas fared badly with the public and when he most needed some support from great patrons.

The time came when Handel turned his attention to oratorio, in which he was to attain the full measure of his greatness and in that year he produced "Esther," the precursor of such works of genius as "Israel," "Saul," and "Messiah." In "Esther," signs were not wanting that its author might have the makings of an immortal; yet for all the talk with which the work was received Handel got neither his share of praise nor of profit. The truth was that then, if not, indeed, even up to the time of his death, the public did not seem to appreciate the transcendental ability of Handel; they did not seem to realize that in the ungainly German who had come amongst them they had in their midst one who, when kings and queens had long been forgotten, would be a revered memory in the minds of the multitude.

The English Temperament.

A succession of failures at the King's Theatre and at Covent Garden and the Haymarket left Handel in debt to the extent of many thousands of pounds, a poor reward for all the midnight oil, the unending effort, he had put out on his works. But comforted with a philosophy peculiarly his own he struggled on.

One day in the year 1741, when things were at their blackest, Handel conceived the oratorio which was to make him famous. He sat down and commenced "Messiah" and in about three weeks he had completed it—a feat which is surely without parallel in musical history, for the task was an immense one. He must have thought little of the work himself, for he put it away in a drawer; and if it had not been for a fortunate invitation extended to him to visit Dublin it might—who knows?—have been forgotten, and perhaps even lost to the world. That same year he went to Dublin and "Messiah" was produced—with overwhelming success. He returned to London aglow with the joy of a great achievement but—and we may imagine his bewilderment at the temperament of the English—when he staged it in London, firstly, the Church denounced it and, secondly, the acclamation that had characterized the Dublin *première* was lacking.

The Turn of the Tide.

For years before his death, Handel had been threatened with complete paralysis. In 1751 he was assailed by the most fearsome blow of all, blindness. He was now sixty-six, but even this affliction could not crush the magnificent spirit of the man. He went on composing, dictating the work, and, as if Fate had tardily repented of its fickleness, the tide of affairs suddenly turned in his favour and work after work scored great successes. He had some years of work and achievement still in store, for it was not until April 14th, 1759, that he breathed his last.

In the lives of the world's greatest musicians there is much that we must overlook—many highly-coloured vagaries which we are asked to excuse on the ground of genius. But Handel's life was a model of all that was upright and good and noble; and the nation honoured itself when it buried him within the Abbey.

DR. KORN, of Berlin, has succeeded in transmitting by wireless a photo from Rome to Bar Harbour, in the United States, in forty minutes, which was produced in a New York newspaper one hour after having been transmitted from Rome. Professor Korn's latest invention is an application of his system to the transmission of handwriting and signatures.

The New Regulations.

(Continued from the previous page.)

I think that is all that need be said to the majority of offenders. But there are others to whom it may perhaps be well to point out that whereas there has so far been no definite action against evaders, although names have frequently been reported, simple and straightforward regulations are easy to enforce. It was not so easy before.

One more thing. The B.B.C. trade mark is still to be used by our member firms. Although there is no legal obligation to use gear with this mark, I think there is a moral one. These firms have given up a good deal; they deserve your support; moreover, the mark is the sign of British goods. You have undertaken not to use foreign stuff. Here again we ask for a strict observation of the regulations. So far, in spite of them all, there has been a large amount of foreign stuff brought into the country, and used. Importers, who have not contributed by tariff payments or by capital to the broadcasting service, have flourished. If they have no feelings on the matter of selling apparatus which they know purchasers have promised not to use, it does not absolve those who deal with them. The responsibility is with the users, who have, over their signature, undertaken to employ British parts or sets only.

J. C. W. REITH.

COLOUR AND WIRELESS.

THAT there is any sort of kinship between colour and communication by wireless is not realized, perhaps, by the average listener—even though he may talk glibly about wave-lengths.

Dr. A. T. de Moulpied, of the British Dyestuffs Corporation, Limited, in his pamphlet about the growth of the industry, says: "The seven colours of the rainbow represent only a part of the wave-lengths in sunlight, but they are the only part in which light is visible to the eye. It is not difficult to show that at both the violet and red ends of the spectrum there is a region of energy which can be revealed by its heating effect or by its chemical and electrical effects.

"The region of invisible energy at the violet end will affect a photographic plate and at the red end you get waves similar to those used in wireless telegraphy. These regions are known as the ultra-violet and infra-red parts of the spectrum and it can only be stated here, as a matter of fact, that they play an important part in the attempts which have been made to find a relationship between the colour of a substance and its chemical constitution."

FARM inhabitants and small-town people of southern France have found wireless so useful in keeping track of the grain and other commodity markets that they have decided to erect a small broadcasting station to specialize in the dissemination of news for farmers.

REGULAR broadcasting has been started by *Shun Pao*, the first Chinese newspaper to take up Radio. Programmes are sent four times daily, and consist chiefly of music and lectures in Chinese.

AN Argentine amateur claims to have talked with a New Zealand Station for two hours, thus creating a new world's amateur record.

AN agreement has been concluded between the Far East Soviet Government Trust and the Persian Government for the erection of eight wireless stations—one in each of the principal cities in Persia.

Official News and Views. GOSSIP ABOUT BROADCASTING.

Prizes for Listeners.

FOLLOWING the success of the first Query Programme recently given at the London Station, listeners are again to be invited to submit a draft of the programme broadcast from London on Tuesday, July 15th. The programme submitted should be complete with the names of artists, items and announcer. The most successful entrant will be awarded a prize of five guineas, and two further prizes of two guineas each will also be given. In addition, the five most successful competitors will be invited to spend an evening in the London Studio. The portions of the programme concerned in this competition will be between 8.0 and 9.30 p.m. and 10.30 and 11 p.m.

First Since XIIIth Century.

On Saturday, July 19th, the new cathedral at Liverpool will be opened by the King. We are hoping not only to broadcast the consecration ceremony, including an address by the Archbishop of York, the Dedication Service at the High Table, and the Choral Service, but also the speech at St. George's Hall, of the Lord Mayor of Liverpool addressed to the King, and the reply of His Majesty. This event is of considerable national interest, as this cathedral will be the first to be consecrated in England since the thirteenth century.

Unveiling Manchester War Memorial.

The ceremony in connection with the unveiling of the Manchester War Memorial in St. Peter's Square will be broadcast from the Manchester Station. In addition to a speech by Lord Derby, there will be prayers and hymns, the Last Post, and the Réveillé.

The Workers' Educational Association.

The Bishop of Manchester, the Rt. Rev. Wm. Temple, M.A., D.Litt., is to deliver the Presidential Address of the coming-of-age celebration of the Workers' Educational Association. This will take place at 10 a.m. on Sunday, July 13th, in the Oxford Town Hall, and will be broadcast from all stations. Dr. Temple is a son of a former Archbishop of Canterbury, and has been for many years an enthusiastic worker for the W.E.A.

Thrilling Travel Talks.

Mr. F. A. Mitchell-Hedges, who has made some very remarkable discoveries and has had unusual adventures in the less known countries and adjacent islands of Central America, has agreed to deliver a series of five talks from the London Station, as follows:—

- August 19th. — Unknown Tribes.
- August 28th. — Uncharted Seas.
- Sept. 9th. — Battles with Giant Fish.
- Sept. 18th. — Battles with Giant Fish. (Continued).
- Sept. 30th. — A Mystery of the Jungle.

Mr. Mitchell-Hedges has devoted his life to exploration and deep sea research work, chiefly in Central American Republics, Caribbean Sea and Pacific Ocean. He holds numerous world

records for the capture of giant fish and has penetrated unknown portions of the hinterland of Panama. The information he will give in these talks will not only be fascinating, but also of great educational value.

London's New Military Band.

The new "2LO" Military Band, which the Musical Director of the London Station is organizing, and which he will conduct, will give its first performance on Sunday evening, July 27th. The majority of the brass and wood-wind instruments in the present wireless orchestra will be included in the new military band and the Musical Director is confident of a first-class combination.

Hymns in an Inn.

From among the correspondence received at head office last week the following letter is extracted for publication as of general interest:—

"I have a three-valve set with a loud speaker which I often place in the bar of the 'Fox and Hounds.' I am pleased to tell you that several of my customers greatly admired the singing last evening of 'All People that on Earth Do Dwell' and 'Holy, Holy, Holy.' I must tell you that in addition to the praise they have asked me to write you trusting to have similar hymns and singers down for a future date on Sunday evenings."

The League of Nations and Opium.

An interesting item to be broadcast from the London Station on Wednesday, July 9th, is a talk by Sir Malcolm Delevingne, K.C.B., who is speaking on "The League and Opium."

Sir Malcolm Delevingne is Permanent Deputy Under-Secretary at the Home Office, and was British representative on the Labour Commission of the Peace Congress, 1919.

He has, as British representative on the League of Nations Advisory Committee on the Traffic of Opium and other dangerous drugs, attended all their meetings, and was president of the first three.

The Rt. Hon. Srinvasa Sastri.



The Rt. Hon. SRINVASA SASTRI.

The Rt. Hon. Srinvasa Sastri is to speak to Children from the London Studio at 3.15 p.m. on July 11th. His subject will be "Child Life in India," and he will also give a description of an Indian street scene. Mr. Sastri has had a distinguished career.

A Brahman, he was for a time a schoolmaster at various institutes in India, eventually becoming a headmaster of one of the biggest high schools. This position he resigned in 1906 and joined the Servants of India Society, of which he is now the President. A Fellow of the Madras University, 1909, he entered Madras Legislative Council four years later, and from 1916 served on the Viceroy's Legislative Council until 1920, when he was elected to the Council of State under the New Reforms régime.

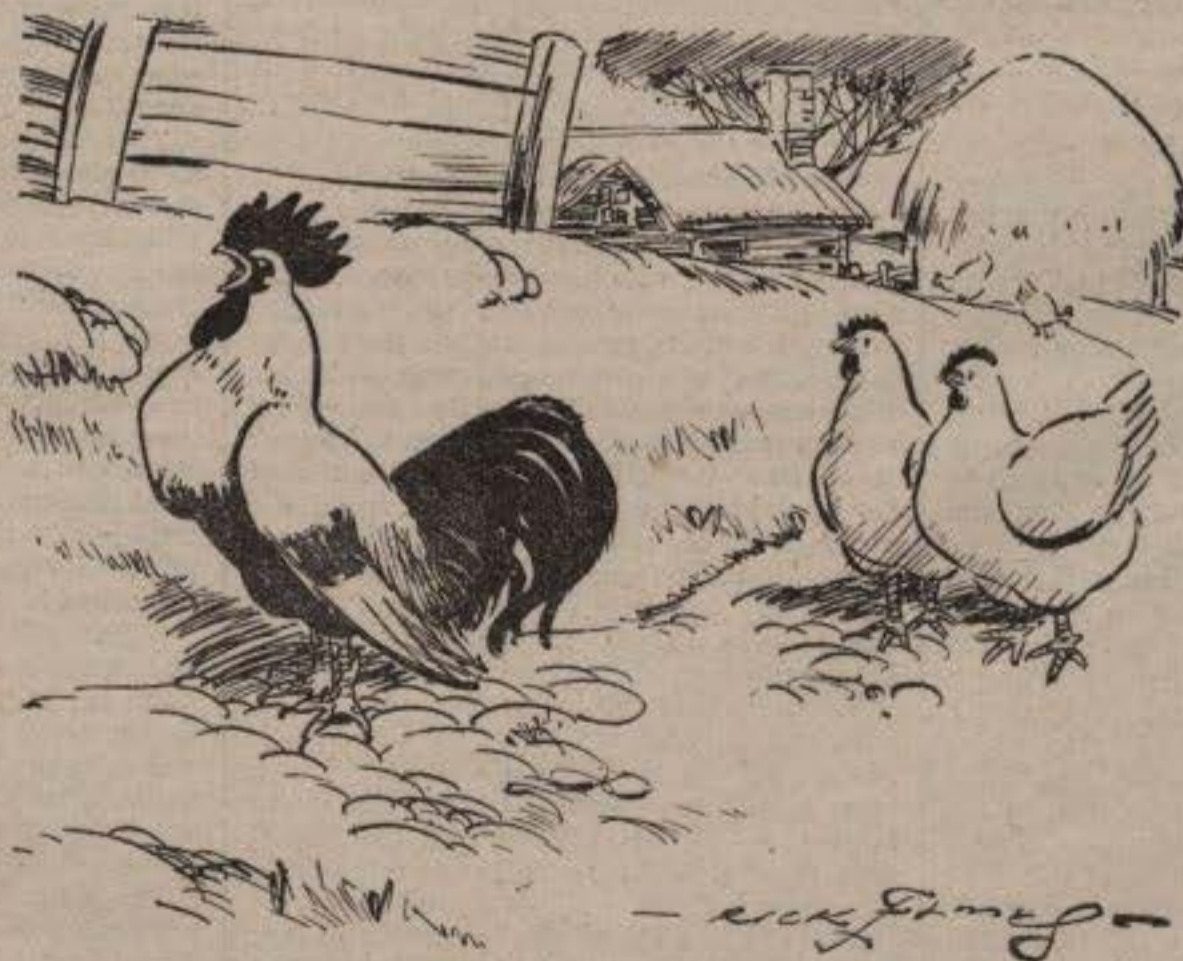
He visited England in 1921 as an Indian Representative to the Imperial Conference, representative in the League of Nations Assembly in the same year. In a similar capacity he attended the Conference on the Limitations of Armaments at Washington. In addition to being a Privy Councillor, Mr. Sastri has also received the Freedom of the City of London.

The World's Greatest Choir.

In the afternoon of July 12th, at 3 p.m., another of the great Empire Choir Concerts, by the enormous choir—the greatest in the history of the world—of ten thousand voices, which is being conducted, together with an orchestra of five hundred, by Dr. Charles Harriss, is being relayed from the Stadium at Wembley.

Bournemouth's Juvenile Competition.

A Juvenile Competition Night has been organized by the Bournemouth Station, and will take place on July 10th. There will be numerous items of a varied kind, and the three adjudged to be the best—by judges other than the station staff—will be the prize winners. The public are asked to record their votes for the three performers they consider to be the best, and the voter whose card is in nearest agreement with the judges' decision will receive a prize. Intending competitors should send in their names *at once*, with their address and age, and state whether they are vocalists, instrumentalists or elocutionists. The age limit is twelve to eighteen years. Young artists desirous of an opportunity to broadcast should not miss this opportunity.



First Hen to 2nd ditto :—There's no holding him since he was broadcast last week.

It is believed that the new Marconi directional beam will render aeriols obsolete.

Programme Faults—A Suggestion.

By ROBERT KEABLE, Author of "Simon Called Peter," "Peradventure," etc.

I DARESAY the B.B.C. has been considering the fundamentals of listening pretty hard for a couple of years, but I daresay, also, that all the time it has had a thousand other things to do which make it hard to step outside, as it were, and review the whole proposition. Listening has come down on us like an army with banners. We started to listen long before we knew to what we wanted to listen. I daresay they started to broadcast without fully realizing that they had a job which would make a bishop shiver in his sleeves or a novelist go mad and drink his ink.

Fertinent Questions.

But the first question we ought to ask, as I see it, is this: Is broadcasting merely to do an old thing in a new way, or will it—can it—attempt anything that has not been possible before? I mean that, whereas broadcasting is, of course, a wonderful invention and so on, it has, in fact, to-day merely, principally, called into existence a new organization, the B.B.C., which is functioning for three million listeners as a Concert Management, a Polytechnic Committee, a Press Association, a Bench of Bishops, an Educational Board and the staff of an up-to-date Crèche rolled into one. Incredible as is the achievement, it is merely the doing of old things in a new way. Has it any essentially *new* feature?

The second question I ask is this: Does the B.B.C. propose to cater for or create public taste and opinion? True as it may be that the two things go hand-in-hand, there is, nevertheless, a gulf between them—the gulf, for instance, that lies between the Yellow Press and serious journalism. As I see it, that is an enormous question, and it is one that is going to be of national importance. I dare not dilate on it, but it is evident that the B.B.C. of the future could persuade us that some nation was out for our blood and run us into another war more easily than any group of politicians or any newspaper syndicate.

My last question is a rude one. Simply put, it is this: When, if ever, is the B.B.C. going to realize that it has bitten off more than it can chew? Ought the B.B.C. at any point to say to itself: Thus far, but no further?

The answer to these questions gives us something very positive as to future developments.

"If I Were the B.B.C."

To my mind, first, the essentially new feature about broadcasting is that it strikes a personal note. When I listen to a speaker in that magic room which Mr. Burke described the other day, I do something which is curiously different from what I do when I sit in a pew or a stall or the Strangers' Gallery. On my side, the voice reaches me with an emphasis which is definitely personal—as if I alone were listening, and on the speaker's side there is neither applause to inflate him nor criticism to hinder him, and there is a time-limit to arrest him!

Now a politician with the best will in the world has never had the chance he has to-day—nor the G. B. P. in its armchairs. If I were the B.B.C., I'd go for that like an Olympic sprinter in the hundred metres! I confess I don't know if the politicians would respond, or for that matter the dramatists, scientists, novelists and leader-writers who are willing enough to give their opinions on paper. But it wouldn't be a bad test, as a matter of fact.

Something, of course, has been done along these lines; but in my opinion this is the side to develop. I don't see why it shouldn't be possible for the B.B.C. to ask the public through *The Radio Times* what questions it would like

to put, whom it would like to arraign, what publicist it would like to hear upon what.

It arises out of this that the B.B.C. should try to avoid the obviously big spectacular non-personal things and go for the personal touch all round. Singers might sing us *their* favourite songs or *our* favourite songs, poets recite their own verse, travellers relate their own experiences. It will come to it that the B.B.C. public will want one day to know just actually what is happening, let us say, in the Ruhr, and the B.B.C. will send someone to see with a set of questions in his pocket, and he'll come back and tell us.

Regarding News Bulletins.

I am thus led to say that since the B.B.C. cannot escape the task of moulding public opinion, it ought to envisage that work very definitely. A dozen wrecks in a score of years have shown us that it is impossible to have a non-party newspaper, but it is not impossible for the B.B.C. to function as the impossible. Thus I think most of the News Bulletins might be left to the evening papers, for even if we can't get the latest editions in the country, we can learn quite well to wait for the morning's delivery to know if the franc has dropped a point or Hampshire beaten Notts. The bulletin wants careful editing. It doesn't want to be a soufflé of the latest telegrams—unless, of course, the whole country is on edge to know if an Ultimatum to Germany has expired or something of that sort, but it wants to be a definitely thought-out newspaper-in-miniature on the lines we have looked for and never got in the printed press.

And a word here of praise, which I cannot help. The B.B.C. seems to me to have shouldered the musical education of the country wonderfully. It is amazing to think of the houses into which good music is going night by night. Let it go on from strength to strength! Thus let it be rigidly understood that for a comedian to speak in the B.B.C. Studio he has got to be a comedian. For the B.B.C. Studio presents an audience unlike any other audience. In a theatre one usually laughs because the rest laugh, and because the comedian looks comical; we listeners have no such aids to mirth. We laugh at humour and wit, not at tomfoolery. What about ten minutes of Evoc?

Concentration or Enlargement?

Combining these two points, it comes to it, as I have hinted, that in my opinion the B.B.C. has got to make its own programme. Seeing that it has no secondary support for assisting its entertainments, its speeches have to be better than after-dinner speeches, its news than that of the newspapers, and its jokes than those of the average music-hall show. It has got to hammer in on its own particular line of the personal touch, and it has got to aim at getting rid of a great deal of the rubbish that we swallow elsewhere because we can't help it. I see broadcasting as necessarily something more than a link between private and public life. I see it is a very serious national affair—or another good thing spoilt by the spirit of the age.

Personally, I should scrap such things as fashion talks in the Women's Hour. But I come back to my starting point: that there must come a time when it will be impossible for the B.B.C. to cater for all minds, all classes, on all subjects, in all ways. I confess it has achieved the impossible so far; but I think there are indications that the time has come for concentration rather than enlargement. And I have no fear of the result.

The Theatre and Life.

Mr. Archibald Haddon's Views.

LORD BURNHAM, in his foreword to "Hullo Playgoers!" by Mr. Archibald Haddon (Cecil Palmer, 3s. 6d. net), suggests that ours is an electric age, and that we are probably only in the beginning of a great transformation scene in the conditions of life "When all alike," he writes, "for a trifling cost can have the same opportunities of profiting by the best that we have, the differences in the social hierarchy, which engender so much bitterness of spirit and strife of tongues, will tend to become of less importance."

Wireless Criticism.

There is much truth in this observation, and this collection of Talks which have been broadcast by Mr. Archibald Haddon, in his capacity as Dramatic Critic to the British Broadcasting Company, makes the volume a useful, and, in a way, a unique one.

The contents cover a wide variety of subjects. The chapter on wireless dramatic criticism indicates the spirit with which Mr. Haddon approaches his task. "What is the theatre's greatest power for good? It is, I think, the dissemination of happiness. Life is lived nowadays at a killing pace. In London especially, where we very properly have more theatres to the square mile than in any other centre of the country, the stress of life is in many of its aspects appalling. If we are unhappy, our work suffers. The theatre, in radiating happiness, justifies its existence. Although it would be belittling the wonderful range of expression possessed by the theatre to regard it solely as a place of amusement, yet even accepting that valuation of its purpose, surely that is enough. Wherever and whenever there is in the theatre what Charles Lamb called a sea of happy human faces, the theatre is fulfilling its obligation to the State. If, therefore, I am to be of use to you in these talks, I must necessarily dwell on those aspects of the theatre which are for the common good."

Radio-Drama.

Among the many subjects dealt with in this volume is the radioplay. Mr. Haddon thinks that radio-drama may become a great art, evolving own Barrie, "perhaps its own own Shakespeare, even its own Bernard Shaw."

"Meanwhile," he says, "it is interesting to speculate on the probabilities. I suppose that the first desideratum in the composition of a radioplay is the elimination, as far as possible, of many factors intrinsic to representation in the theatre, with the outstanding exception of vocal and instrumental expression. Radio-drama must be the drama of *sound* as distinct from the drama of sight and action. Scenery, movement, gesticulation, facial display—all these will have to be suggested by a stock character equivalent to the chorus of Greek tragedy, or the compère and commère of revue—a character, shall we say, called the Announcer?"

"The result, however attractive, can hardly be expected to compete with the theatre play, much less to supplant it in public favour. On the contrary, I fancy the radioplay listener will naturally wish to see the piece transferred to the theatre stage, where its good qualities would be enhanced by the addition of visual effects."

The book is dedicated "To the Listener; unknown and unseen, anywhere in or between Plymouth and Aberdeen," surely the first time such a use of the listener has been made!

H.P.

Listeners' Letters.

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

(From **Prebendary Carlile, D.D.**)

DEAR SIR,—The programmes of the British Broadcasting Company have been so splendidly varied in tone that suggestions for improvements are exceedingly difficult to make. It is only when one sits down to think of developments, that one realizes what has already been successfully attempted. Especially, one thinks, has the science been greatly valued by the sick and bed-ridden.

One wonders if any further effort could be made to excite interest and active work in the solution of the many great moral and social matters which trouble us to-day. Talks on housing or unemployment would reach the homes of all classes and frank acknowledgment of the difficulties of all sides would stimulate that thought essential to solution; while talks on questions such as the effect of mind on matter might easily be made a powerful means of helping doctors in dealing with disease, especially perhaps those sins which directly promote disease. Other rampant evils might be dealt with in the same way.

Yours faithfully,

WILSON CARLILE.

(Founder and Honorary Chief Secretary,
The Church Army.)

Shakespeare's Foresight.

DEAR SIR,—In the course of reading from Shakespeare's *Henry IV.*, Act III. Scene 1, I find what almost seems a wonderful foresight or prophecy of our English bard; for surely, like Jules Verne, who foresaw the submarine and aeroplane, Shakespeare must have dreamt of wireless broadcasting.

The quotation runs:—

And those musicians that shall play to you,
Hang in the air a thousand leagues from hence;
Yet straight they shall be here. Sit and attend.

Yours faithfully,

Ealing, W.5.

ERNEST E. SQUIRE.

(From **Major-General Sir Francis Mulcahy, K.C.B.**)

DEAR SIR,—I think it is a pity that Mr. Burtows should speak of Esperanto as the International Language, when the fact is that it has a very formidable rival in Ido, and if the more logically constructed, more perfect, and more euphonious language is to win, then Ido will succeed, just as Esperanto has replaced Volapuk.

Ido has been broadcast in U.S.A., in Canada, and in Sweden, and I submit that your readers might be interested to see specimens of the two languages.

Wireless cannot be bound to any system than the best, which in this matter is the younger.

Banbury.

F. E. MULCAHY.

Hiding the Loud Speaker.

DEAR SIR,—In a recent issue your correspondent, "W. W. McD.," sends an account of an amusing episode concerning a hidden loud speaker. I should like to make a few remarks about the more serious side of the question.

Taking your article to heart, I tried the advice offered, with very great success. The speaker was placed in a large recessed fireplace, about 5 ft. wide, 5 ft. high, and 3 ft. deep, the speaker being camouflaged behind a large bowl of lilac, so that it was completely invisible.

The experiment gave very pleasing results, the sound filling the room and having no apparent directional properties—i.e., the sound seemed to "float" into the room, and the tone being exceptionally mellow.

Yours faithfully,

Ashbourne, Derbyshire.

J. F. A. G.

PEOPLE IN THE PROGRAMMES.

A Versatile Actress.



MISS HELENA MILLAIS.

MISS HELENA MILLAIS, who frequently broadcasts from London and Provincial stations, started her stage career in her early youth. In a few years she made a name for herself in plays ranging from Shakespeare to modern comedy. Among the important parts she has played are "Catherine" in *The Shrew*, "Roma" in the *Eternal City*, and nearly all the Hall Caine heroines. She has appeared at nearly every West-end theatre and in all the big provincial towns. For the Phoenix and Stage Society she has played in the works of Ben Jonson, Congreve, etc.

Turning her attention to variety work, she produced a series of sketches.

Miss Millais has produced and played in a number of successful films, and has written a good many of her "Fragments from Life." A year or two ago she undertook concert work.

The Magic Carpet.



DR. J. J. SIMPSON, M.A.

ONE of the features at the Cardiff Station next week, is the flight of the Magic Carpet, to British West Africa. The pilot will be Dr. Jas. J. Simpson, M.A., Keeper of Zoology in the National Museum of Wales. The pilot has spent over nine years in British West Africa and has visited practically every station in all the five colonies. He therefore speaks with an intimate knowledge and will be able to explain the various sights seen during the flight. He will deal in succession with The Gambia, Sierra Leone and the Gold Coast.

Dr. Simpson, who is a well-known big game hunter, will also describe a hunting expedition.

A Talk on Tennis.

MR. F. GORDON LOWE is a prominent figure in the Lawn Tennis world of to-day, and his talk from London on July 12th should be beneficial to tennis players.

Mr. Lowe has represented England on many occasions, and is well qualified to speak on the subject of "Essentials for Lawn Tennis."

He reached the last four of the singles at Wimbledon in 1923, and won the championship of the Riviera at Menton this year. He also won the championship of the North of England in 1922. He was the first English Lawn Tennis player to give a serious lecture on the game to the Civil Service in 1923, at the Central Hall, Westminster.

Another Irish Story.

MR. J. AERY-JACOB, who broadcasts another humorous Irish story from London on July 7th, is a native of New Zealand, to which country his parents went from Ireland. The Jacob family, a Quaker one—trace their descent from Walter Jacob, M.P. for Bridgwater in 1272. Since his return to England, Mr. Jacob has been well known as a teacher of elocution and stage-craft, and as an actor and manager, under the name of Cecil Ravenswood. His latest appearance in London was in *The Butterfly on the Wheel*, when he played Mr. Norman McKinnel's part, "Sir Robert Fyffe, K.C."

A Popular Soprano.



MISS MAY BLYTH.

ONE of the first broadcasting artists, who has made herself popular with listeners throughout the country, is Miss May Blyth, who possesses a voice particularly suited for broadcasting. A soprano who has appeared with distinction in many of the operas produced by the British National Opera Company, she is as effective in the singing of light songs as in heavier work.

From Concert Party to Opera.

AT the age of seventeen she entered the Royal Academy of Music by scholarship and studied under Thomas Meux, becoming in 1921 A.R.A.M. For two years she was engaged in concert party work, but returned to the Royal Academy of Music for further study, and in November, 1921, gained the Westmorland Scholarship, and on that same day received an offer from the B.N.O.C., which commenced its tour in 1922 with Miss Blyth among its artists.

Founder of the Friends.

MR. T. EDMUND HARVEY, M.P. for Dewsbury, is to broadcast a talk on "The Man in Leather Breeches"—George Fox, the founder of the Society of Friends—on Sunday afternoon, July 6th, in connection with the tercentenary of Fox's birth which "occurred in the month called July, 1624."

Mr. Harvey, it is stated, was the first Quaker since William Penn, the founder of Pennsylvania, to take a degree at Oxford, for, till well within living memory, Friends were debarred from the older Universities unless they conformed to the rules and beliefs of the Church of England. A member of an old Quaker family in Leeds, Mr. Harvey, after being at Bootham School, York, and Christ Church, Oxford, studied in Paris and Berlin before becoming one of the assistant librarians at the British Museum.

He succeeded Canon Barnett as Warden of Toynbee Hall and sat for some years on the London County Council. In 1910 he entered Parliament for West Leeds, a seat which he held till 1919. During the war he was a leading member of the Quaker relief committee in France.

A Famous Bass.



MR. JOSEPH FARRINGTON.

MR. JOSEPH FARRINGTON, who has broadcast from London and provincial stations on numerous occasions, began his musical career as a boy chorister, and was bass soloist in the church choir before reaching the age of seventeen. He first studied singing in Manchester, and in 1903 was appointed Lay Clerk of the Choir at King's College, Cambridge. Three years later he was solo bass at St. Paul's Cathedral, London.

He has sung a great deal in oratorio in London and the provinces. He began his operatic career at the "Old Vic" in 1920. Two years later he was touring America as "Captain Macheath" in *The Beggar's Opera*, and in 1923 made his debut at Covent Garden as "The Wanderer" in *Siegfried*. He is now one of the artists of the British National Opera Company, and successful, too, as a broadcast artist.

WIRELESS PROGRAMME—SUNDAY (July 6th.)

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

LONDON.

3.0.—Time Signal from Big Ben.

Organ Recital.

Relayed from Shepherd's Bush Pavilion.
QUENTIN MACLEAN (Solo Organ).
JOSEPH FARRINGTON (Bass-Baritone).
DAISY SAVILLE (Solo Violin).
GLADYS PALMER (Contralto).
S.B. to Newcastle.

The Organ.
 Trio, Sonata No. 3 *Bach*
 Allegro—Andante—Allegro.

Contralto Songs.
 "Morning" *Oley Speaks*
 "Ecstasy" *Rummel*

Violin Soli.
 "Slavonic Dance Themes in E Minor"
Dvorak, arr. Kreisler

"Romance in F Major"
Beethoven, arr. Marteau

Bass Aria.
 "O God, Have Mercy" ("St. Paul")
Mendelssohn (11)

3.45 approx.—**Mr. T. EDMUND HARVEY**,
 M.P.: Talk on George Fox Tercentenary.
 The Organ.

Hymn to the Sun *Rimsky-Korsakov*
 Serenade, "Bimbo Mia" *Coda*
 "The Girl With the Flaxen Hair"
Debussy

Capriccio *John Ireland (14)*
 Contralto Songs.

"O Thanks Be Not" *Mallinson*
 "Sing, Break Into Song" *Mallinson*

Violin Soli.
 "Slavonic Dance Themes in G Minor"
Dvorak, arr. Kreisler

Gavotte in E Major *Bach, arr. Kreisler*
 Bass-Baritone Songs.

"Sherwood" *Jas. Dear (14)*
 "Old Bard's Song" *Boughton (14)*
 "Captain Stratton's Fancy" *Ireland*

The Organ.
 Scherzo from Fourth Symphony *Widor*
 Chanson de Matin *Elgar (11)*
 Finale from First Symphony *Vierné*

Announcer: J. G. Broadbent.
 5.0-5.30.—**CHILDREN'S CORNER. S.B. from**
Birmingham.

8.30.—Anthem, "God is a Spirit"
Sterndale-Bennett (11)

Hymn, "The King of Love My Shepherd
 Is" (A. and M. 197).

The Rev. **BASIL GRAHAM BOURCHIER**,
 M.A., Vicar of St. Jude-on-the-Hill,
 Hampstead Garden Suburb. Religious
 Address.

Hymn, "Lord of our Life and God of Our
 Salvation" (A. and M. 214).

9.0. **DE GROOT**
 and
THE PICCADILLY ORCHESTRA.
 Relayed from the Piccadilly Hotel.

10.0.—**TIME SIGNAL FROM GREENWICH.**
GENERAL NEWS BULLETIN and
WEATHER FORECAST. S.B. to all
Stations.
 Local News.

10.15. De Groot and the Piccadilly Orchestra
 (Continued).

10.30.—Close down.
 Announcer: C. A. Lewis.

BIRMINGHAM.

3.0-5.0. **THE STATION PIANO**
QUINTETTE.

FRANK CANTELL (1st Violin).
ELSIE STELL (2nd Violin).
ARTHUR KENNEDY (Viola).
LEONARD DENNIS (Violoncello).
NIGEL DALLAWAY (Piano).

"Valse Nobles," Op. 77
Scubert, arr. Thieriot

"Une Larme" *Moussorgsky, arr. Krien*
 "Serenade" *Pierne (15)*

HAROLD HOWES (Baritone).
 "It is Enough" ("Elijah")
Mendelssohn (1)
 String Quartette.

Quartette, Op. 50, No. 1 *Haydn*
 (a) Allegro; (b) Andante non lento; (c)
 Minuetto; (d) Finale.

ISABEL TEBBS (Soprano).
 "O Day Divine" *Oliver (8)*
 "A Woodland Madrigal" *Batten (1)*

Frank Cantell and Nigel Dallaway.
 Rondo from Sonata No. 1, Op. 12
Beethoven

"On Wings of Song"
Mendelssohn, arr. Achron

INGRAM BENNING (Tenor).
 Three Shakespearean Songs *Quilter*
 "Come Away, Death."

"O Mistress Mine."
 "Blow, Blow, Thou Winter-Wind."
 Quintette.

Nocturne from "A Midsummer Night's
 Dream" *Mendelssohn*

Harold Howes.
 "Thanksgiving" *Allitsen*
 "Summer Time on Bredon" *Peel*

Ingram Benning.
 "Eleanore" *Coleridge-Taylor (11)*

Quintette.
 "Polish Dance" *Scharwenka*

5.0-5.30.—**CHILDREN'S CORNER. S.B. to**
all Stations.
 Announcer: A. Pelham.

8.30. **THE STATION REPERTORY CHOIR.**
 Hymn, "Jesu, Lover of My Soul" (A. and
 M. 193).

The Rev. **WILLIAM SOUTHALL**, of the
 Society of Friends: Religious Address.
 Choir.

Hymn, "Let Saints on Earth in Concert
 Sing" (A. and M. 221).
 Anthem, "The Radiant Morn"
Woodward (11)

9.0. **THE STATION SYMPHONY**
ORCHESTRA.

Under the Direction of **JOSEPH LEWIS.**
 Overture in D *Haydn*

JAMES HOWELL (Bass).
 Aria, "O God, Have Mercy" ("St.
 Paul") *Mendelssohn (11)*

Orchestra.
 "Träumerei" *Schumann*
 (Solo Horn, W. S. Yorke.)

"Siegfried Idyll" *Wagner*

James Howell.
 Romance "O Star of Eve" ("Tann-
 häuser") *Wagner (1)*

Orchestra.
 Suite, "Gipsy Suite" *German (11)*
 Introduction to Act 3, "Lohengrin"
Wagner

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

10.15.—Close down.
 Announcer: Percy Edgar.

BOURNEMOUTH.

3.0-4.45.
J. H. SQUIRE'S CELESTE OCTETTE
 and **ERIC GODLEY** (Baritone).
 Relayed from South Parade Pier, Southsea.

JOHN PERRY (Tenor).
 Songs, Selected.

5.0-5.30.—**CHILDREN'S CORNER. S.B. from**
Birmingham.

8.30. **CEDRIC SHARPE** (Solo Violoncello).
 "Andante Religioso" *Thome*
 "Largo" *Handel (1)*

8.40. **CHOIR OF UPPER PARKSTONE**
BAPTIST CHURCH.

Anthem, "Like as the Hart" (words from
 Psalm xvii) (11).
 Hymn No. 13, "The Mystery of Inter-
 cession."

8.45.—The Rev. **F. F. DARDIS**, Upper Park-
 stone Baptist Church: Religious Address.

8.55. Choir.
 Hymn, No. 20, "For the Love of Jesus."
 Anthem, "Crossing the Bar" *J. F. Bridge*

9.0. **Cedric Sharpe.**
 "Melody in F" *Rubinstein*
 "The Ivy Green" *Cedric Sharpe*
 "La Cinquantaine" *Gabrielle Marie*

9.10. **ASTRA DESMOND** (Contralto).
 "Agnus Dei" (from B Minor Mass)
Bach (11)

"The Angel's Song" (from "The Dream
 of Gerontius") *Elgar*

9.20. **JERRY O'CONNOR** (Baritone).
 Song Cycle, "An Irish Idyll" *Stanford (1)*
 (a) "Corrymeela"; (b) "The Fairy
 Lough"; (c) "Cuttin' Rushes"; (d)
 "A Broken Song"; (e) "Back to Ire-
 land."

9.35. **Cedric Sharpe.**
 "Le Cygne" *Saint-Saens*
 "Menuet"
Beethoven, arr. Cedric Sharpe (15)

"The Vesper Bell" (Old Breton Folk
 Tune) *arr. Cedric Sharpe (15)*
 "Serenade" *Pierne (15)*
 "Liebesfreud Waltz" *Kreisler*

9.50. **Astra Desmond.**
 "The Lotus Flower" *Schumann*
 "True Love" ("Liebestreu") *Brahms*
 "The Bees of Jura"
arr. Kennedy-Fraser (1)

"Land of Heart's Desire"
arr. Kennedy-Fraser (1)

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

10.15.—Major **STANLEY HOW**: Reading of
 W. E. Henley.

10.40.—Close down.
 Announcer: John H. Raymond.

CARDIFF.

3.0-4.45. **THE CORY WORKMEN'S SILVER**
BAND.
 Conductor, **J. G. DOBBING.**

OWEN GANE (Baritone).
 Vocalists **ALEC JOHN** (Tenor).

Band.
 I.—March, "Sons of the Wild" *Timmer*
 Overture, "La Gazza Ladra" *Rossini*

II. Owen Gane.
 "Drums" *Arthur Meale (5)*
 "Sons of the Sea" *Coleridge-Taylor (11)*
 "That Rose From You" *Wilson (8)*

Band.
 III.—Cornet Duet, "The Warblers"
Sutton

(Soloists, J. Trotman and A. Carter.)
 Selection, "Crown Diamonds" *Huber*

IV. Owen Gane and Alec John.
 Duet from Last Act, "Madame Butter-
 fly" *Puccini*
 "Two Sailors" *Parry*

Band.
 V.—National Fantasia, "United Kingdom"
Timmer

Euphonium Solo, "Land of Hope and
 Glory" *Elgar (1)*
 (Soloist, W. J. Davies.)

VI. Alec John.
 "The Pedlar's Basket" *Baynon*
 "The Island Delightful" *Jocill Mills*
 "The Fairy Tales of Ireland" *Coates*

Band.
 VII.—Hymn, "Cwm Rhondda."
 Chorus, "Hallelujah" *Handel*

Announcer: A. H. Goddard.

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 of its publisher. A key list of publishers will be found on
 page 55.

WIRELESS PROGRAMME—SUNDAY (Continued from the facing page.)

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

5.0-5.30.—CHILDREN'S CORNER. *S.B. from Birmingham.*

8.10. THE CHOIR OF ST. STEPHEN'S CHURCH, DOCKS.

Hymn, "Spirit of Mercy" (A. and M. No. 155).

Anthem, "I Will Sing of Thy Power" *Sullivan*

The Rev. F. W. REES, Vicar of St. Stephen's Church, will give the third of the Weekly Talks on "Religion and Psychology." His subject is "Fellowship."

Hymn, "King of Love" (A. and M. No. 197).

8.40. **A Symphony Concert.**
THE STATION SYMPHONY ORCHESTRA.

Conductor, WARWICK BRAITHWAITE.
Vocalist, HERBERT HEYNER (Baritone).
Solo Pianoforte, VERA McCOMB THOMAS.

I.—Symphonic Poem, "Death and Transfiguration" *Strauss*

II.—Aria with Orchestra, "Sulla Poppa del mio brik" *Ricci* (1)

III.—Pianoforte Concerto No. 1 in B Flat Minor (Op. 23) *Tchaikovsky*

IV. Songs.

"Trottin' to the Fair" *Stanford* (1)

"So Perverse" *Bridge*

"Mephistopheles' Song of the Flea" *Moussorgsky*

V.—2nd Rhapsody *Liszt*

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

Local News.

10.15.—Close down.

Announcer: E. R. Appleton.

MANCHESTER.

3.0. THE RADIO MILITARY BAND.
Conductor, HARRY MORTIMER.

March, "Lynwood" *Orde Hume*

Overture, "Stradella" *Flotow*

Intermezzo, "Liebestraum" *Blon*

Selection, "Merrie England" *German*

HAROLD BROWN (Baritone).

"O God, Have Mercy" ("St. Paul") *Mendelssohn*

"Litany" *Schubert* (11)

Band.

Bell Gavotte, "Les Cloches de St. Malo" *Rimmer*

Ballet Music, "Faust" *Gounod*

Idyll, "Glow Worm" *Lincke*

Harold Brown.

"It is Enough" ("Elijah") *Mendelssohn* (11)

"The Linden Tree" *Schubert* (11)

Band.

Selection, "The Duchess of Dantzic" *Caryll*

Intermezzo, "Wedgwood Blue" *Ketelbey*

"Spanish Dances" *Moskowski*

5.0-5.30.—CHILDREN'S CORNER. *S.B. from Birmingham.*

7.55.—Hymn No. 178 (A. and M.), "Jesus, the Very Thought of Thee."

8.0.—S. G. HONEY: Talk to Young People.

8.30.—Hymn No. 106 (A. and M.), "My God, I Love Thee not Because."

8.40. "STABAT MATER" (*Rossini*) (11).

By the ST. GREGORY'S CECILIAN CHORAL SOCIETY.

Conducted by The Rev. J. TURNER, D.D.

9.40.—Hymn No. 180 (A. and M.), "To Christ, the Prince of Peace."

Address by The Rev. B. J. HARRIS.

Hymn No. 172 (A. and M.), "Praise to the Holiest in the Height."

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

Local News.

10.15. "STABAT MATER" (Continued).

10.30.—Close down.

Announcer: Victor Smythe.

NEWCASTLE.

3.0-5.0.—PROGRAMME. *S.B. from London.*

5.0-5.30.—CHILDREN'S CORNER. *S.B. from Birmingham.*

6.30. RELIGIOUS SERVICE
Relayed from
JESMOND PRESBYTERIAN CHURCH.

Minister—The Rev. DAVID FYFFE.

9.0. THE CLAY PAGE TRIO.

Trio, 1st Movement *Smetana*

HETTY PAGE (Solo Violoncello).

Concerto, 1st Movement *Elgar* (11)

ETHEL PAGE (Solo Pianoforte).

"Norwegian Scenes" *Grieg*

TOM H. CLAY (Solo Violin).

"Zigeunerweisen" *Sarasate*

Trio.

Trio, Allegro and Presto *Smetana*

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

Local News.

10.15.—Close down.

Announcer: E. L. Odhams.

ABERDEEN.

3.0-5.0. Classical Afternoon.

MAY BOWMAN (Soprano).

F. ELLIOT DOBIE (Baritone).

LENA BLACKMAN (Solo Pianoforte).

NANCY LEE (Solo Violin).

WILLIAM BENNETT (Solo Violin).

THE WIRELESS ORCHESTRA.

May Bowman.

"Rejoice Greatly" ("The Messiah") *Handel* (11)

"I Know That My Redeemer Liveth" ("The Messiah") *Handel* (11)

F. Elliot Dobie.

"Morning Hymn" *Henschel*

"Benediction" *Tchaikovsky*

Lena Blackman.

Concerto for Piano, "The Emperor" *Beethoven*

With Orchestral Accompaniment.

May Bowman.

"Ye That Are Weary" *Kanc* (12)

"Light in Darkness" *Cowen*

F. Elliot Dobie.

"Revenge, Timotheus Cries" *Handel* (1)

"Pour Forth no More Unheeded Prayers" *Handel* (1)

"Qui sdegno non s'accende" *Mozart* (13)

WAVE-LENGTHS AND CALL SIGNS.

Station	Wave-length	Call Sign	Metres
ABERDEEN (2BD)	495		Metres
BIRMINGHAM (5IT)	475		"
GLASGOW (5SC)	420		"
NEWCASTLE (5NO)	400		"
BOURNEMOUTH (6BM)	385		"
MANCHESTER (2ZY)	375		"
LONDON (2LO)	365		"
CARDIFF (5WA)	351		"
PLYMOUTH (5PY)	335		"
EDINBURGH (2EH)	325		"
LIVERPOOL (6LV)	318		"
SHEFFIELD (6FL)	303		"
LEEDS-BRADFORD (2LS)	—		"

Nancy Lee and William Bennett.
Concerto for two Violins and Orchestra

Bach

May Bowman.

"The Promise of Life" *Cowen* (1)

"The Shepherd's Cradle Song" *Somerville*

5.0-5.30.—CHILDREN'S CORNER. *S.B. from Birmingham.*

Symphony Concert.

8.30. THE WIRELESS ORCHESTRA.
Symphony, "The Clock" *Haydn*

9.0.—SOUTH PARISH CHURCH CHOIR.
Hymn 46, Vs. 1-5.

The Rev. CHARLES E. FORSTER, M.A.,
South Parish Church: Religious Address.
Choir, Hymn 12.

9.15. Orchestra.
Symphony in E Minor, "From the New World" *Dvorak* (11)

(a) "Adagio: Allegro molto"; (b) "Largo"; (c) "Molto Vivace"; (d) "Allegro con fuoco."

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

Local News. *S.B. from London.*

10.15. Orchestra.

"Dimanche Soir" *Massenet*

"Dimanche Matin" *Massenet*

10.25.—Close down.

Announcer: H. J. McKee.

GLASGOW.

3.0-5.0. THE WIRELESS ORCHESTRA.

Overture, "Italiana in Algiers" *Rossini*

Selection, "Carmen" *Bizet*

JOHN HUNTINGTON (Baritone).

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

"At Columbine's Grave" *M. Shaw*

Orchestra.

Entr'acte, "Sanctuary of the Heart" *Ketelbey*

John Huntington.

"Absent" *Metcalf* (1)

"West Country Lad" ("Tom Jones") *E. German*

Orchestra.

"Hindoo Chant" *Rimsky-Korsakov*

"Les Préludes" *Liszt*

John Huntington.

"Far Beyond the Red Horizon" *D. Crossby*

"Light o' Stars" *Yvonne Sawyer*

Orchestra.

Suite, "Casse Noisette" *Tchaikovsky*

Waltz, "España" *Waldteufel*

Overture, "Fingal's Cave" *Mendelssohn*

5.0-5.30.—CHILDREN'S CORNER. *S.B. from Birmingham.*

6.30.—Service for Freemasons in St. Cuthbert's Parish Church, Edinburgh. *S.B. from Edinburgh.*

8.0-9.0.—Interval.

9.0. THE WIRELESS QUARTETTE.

Overture, "Herod" *Hadley*

Entr'acte, "Fantastique Gavotte" *Speight*

9.15. TINA McINTYRE (Soprano).

"Songs My Mother Taught Me" *Dvorak*

"Sing, Joyous Bird" *Phillips*

9.25. Quartette.

Selection, "Songs from Shakespeare's Time" *arr. Borch*

9.35. Tina McIntyre.

"Softly Sighs" ("Der Freischütz") *Weber* (15)

"The Shepherd's Cradle Song" *Somerville*

9.45. Quartette.

Suite, "The Miracle" *Humperdinck*

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

Local News.

10.15.—Close down.

Announcer: Herbert A. Carruthers.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 55.

WIRELESS PROGRAMME—MONDAY (July 7th.)

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

LONDON.

- 4.0-5.0.—Time Signal from Greenwich. Concert: The "2LO" Trio and Franklyn Kelsey (Baritone). "The Bal Musette," by Yvonne Cloud. "How Linoleum is Manufactured," by Helen Greig Souther.
- 6.0-6.45.—CHILDREN'S CORNER: Sabo Story, "The Hare and Hounds," by E. W. Lewis. "Treasure Island," Chap. 21, Part 1, by Robert Louis Stevenson.
- 7.0.—TIME SIGNAL FROM BIG BEN, 1ST GENERAL NEWS BULLETIN and WEATHER FORECAST. *S.B. to all Stations.*
- JOHN STRACHEY (the B.B.C. Literary Critic): "Fortnightly Book Talk." *S.B. to all Stations.*
- Talk by the Radio Association of Great Britain. *S.B. to all Stations.*
- Local News.
- 7.35-8.0.—Interval.
- 8.0.—The Rt. Hon. DAVID LLOYD GEORGE on "Dr. Clifford as I Knew Him," relayed from Westminster Congregational Church. *S.B. to all Stations.*
- 9.5. HELENA MILLAIS and RONALD GOURLEY, in "Melodious Memories of To-day," introducing "The London Blues," "Give Me a Place in London," and "Hoola," specially written by them for this Programme.
- 9.20. J. AERY JACOB. Another Humorous Irish Story.
- 9.35. Helena Millais and Ronald Gourley, in more "Melodious Melodies."
- 9.50.—"From My Window," by Philemon.
- 10.0.—TIME SIGNAL FROM GREENWICH, 2ND GENERAL NEWS BULLETIN and WEATHER FORECAST. *S.B. to all Stations.*
- Local News.
- 10.15.—THE SAVOY ORPHEANS and SAVOY HAVANA BANDS, relayed from the Savoy Hotel, London. *S.B. to all Stations.*
- 11.30.—Close down.
- Announcer: J. G. Broadbent.

BIRMINGHAM.

- 3.30-4.30.—Lozells Picture House Orchestra: Conducted by Paul Rimmer.
- 5.0-5.30.—WOMEN'S CORNER: Sidney Rogers, F.R.H.S.: Topical Horticultural Hints.
- 5.30-5.35.—Agricultural Weather Forecast.
- 5.35-6.30.—CHILDREN'S CORNER.
- 6.30-6.45.—"Teens' Corner: Uncle Felix on "Naval History."
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- JOHN STRACHEY. *S.B. from London.*
- Radio Association Talk. *S.B. from London.*
- Local News.
- 7.35-8.0.—Interval.

A Programme of Speech and Song.

- 9.0.—The Rt. Hon. DAVID LLOYD GEORGE. *S.B. from London.*
- 9.5. HERBERT HEYNER (Baritone).
 "Thy Beaming Eyes" *MacDowell* (4)
 "The Golden Vanity" *Traditional*
 "Trottin' to the Fair" *Stanford* (1)
 "A Mood" *Travers* (1)
 "Freights" *Besly* (1)
- 9.15. SYBIL MADEN (Contralto).
 "Muse of the Golden Throne"
 "Evening Song" } *Bantock*
 "Hymn to Aphrodite"

- 9.30. Herbert Heyner.
 "It Was a Lover"
 "Take, Oh Take Those Lips
 Away" } *Quilter* (1)
 "Hey ho! the Wind and
 the Rain"
 "Son of Mine" *Wallace*
- 9.45. Sybil Maden.
 "Yung Yang"
 "From the Tomb of an
 Unknown Woman" } *Bantock* (4)
 "Feast of Lanterns"
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- Local News.
- 10.15.—THE SAVOY BANDS. *S.B. from London.*
- 11.30.—Close down.
- Announcer: A. Pelham.

BOURNEMOUTH.

- 3.45-5.15.—The "6BM" Trio: Reginald S. Mount (Violinist), Thomas Illingworth (Cellist), Arthur Marston (Pianist), William Lewis (Tenor). Talks to Women. Mrs. Kitching—Travel Talk: "Switzerland to Italy."
- 5.15-6.15.—CHILDREN'S CORNER.
- 6.15-6.45.—Scholars' Half-Hour: Miss M. R. Dacombe, M.A., "Outdoor History—Roads."
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- JOHN STRACHEY. *S.B. from London.*
- Radio Association Talk. *S.B. from London.*
- Local News.
- 7.35-8.0.—Interval.
- 8.0.—The Rt. Hon. DAVID LLOYD GEORGE. *S.B. from London.*
- 9.5. JOSEPH FARRINGTON (Bass).
 Songs, Selected.

- 9.15. KATE WINTER (Soprano).
 "Whene'er a Snowflake Leaves the Sky" *Lehmann*
 "Lullaby" *Hamilton Hartly* (1)
 "Shepherd, Thy Demeanour Vary" *Arr. Lane Wilson* (1)
 (CHARLES LEESON—Accompanist.)

- 9.25. Joseph Farrington.
 Songs, Selected.
- 9.35. Kate Winter.
 "The Virgin's Slumber Song" *Max Regert*
 "A Summer Idyll" *Coleridge-Taylor* (5)
 "At the Well" *Hageman*
- 9.45. BOURNEMOUTH MUNICIPAL ORCHESTRA.
 Relayed from the Winter Gardens.
 Deputy Conductor, MONTAGUE BIRCH.
 Ballet Music, "La Reine de Saba" *Gounod*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- Local News.
- 10.15.—THE SAVOY BANDS. *S.B. from London.*
- 11.30.—Close down.
- Announcer: John H. Raymond.

CARDIFF.

- 3.0-4.45.—The Station Trio. George Coburn (Baritone). The Carlton Orchestra, relayed from the Carlton Restaurant.
- 5.0-5.45.—"5WA'S" "FIVE O'CLOCKS": Vocal and Instrumental Artists. Eveline Bailes (Elocutionist). Talks to Women. Weather Forecast. John Henry (Entertainer).
- 5.45-6.30.—CHILDREN'S CORNER.

- 6.30-6.45.—Nature in Art (Studies in the Lives of Great Artists): IV.—"Corn" in "The Cornfield" (Constable).
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- JOHN STRACHEY. *S.B. from London.*
- Radio Association Talk. *S.B. from London.*
- Local News.

- 7.35-7.45.—Interval.
- 7.45.—JOHN HENRY will entertain listeners.
- 8.0.—The Rt. Hon. DAVID LLOYD GEORGE. *S.B. from London.*

9.5. Feature Programme.

- ART SONGS AND CHAMBER MUSIC.
 THE CHAMBER MUSIC TRIO:
 ALBERT SAMMONS (Violin),
 CEDRIC SHARPE (Violoncello),
 WILLIAM MURDOCH (Pianoforte).
 JOHN PERRY (Vocalist).
 VERA McCOMB THOMAS (Pianoforte).
 I.—Trio in B Flat, No. 7 *Beethoven*
 One Movement, Allegretto.
- II. Songs.
 "Freights" } *Maurice Besly* (1)
 "Applewinds" }
 "Ma Lil Batteau" *Strickland*
- III.—Trio in G Major, No. 5 *Mozart*
 Allegro; Andante con variazioni; Allegretto.
- IV. Songs.
 "I Listen for You" *Mary Nightingale* (2)
 "Wood Fires" *Hazellhurst*
 "Loveliness More Fair"
Maud Stewart Baxter
- V.—Phantasie Trio in C Minor (in one Movement) *Frank Bridge* (11)
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- Local News.
- 10.15.—THE SAVOY BANDS. *S.B. from London.*
- 11.30.—Close down.
- Announcer: C. H. King.

MANCHESTER.

- 2.30-3.0.—MAINLY FEMININE.
- 3.15-5.0.—BESSES O' TH' BARN BAND, relayed from the New Municipal Gardens, Southport.
- 5.45-6.0.—Children's Letters.
- 6.0-6.30.—CHILDREN'S CORNER.
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- JOHN STRACHEY. *S.B. from London.*
- Radio Association Talk. *S.B. from London.*
- Local News.
- 7.35. "MARTHA" —.05.11
(Flotow).
 Played by
 THE "2ZY" OPERA COMPANY
 and
 THE "2ZY" AUGMENTED ORCHESTRA.
 Conducted by DAN GODFREY, Junr.
 Soloists:
 Lady Henrietta NELL DAVIS (Soprano)
 Nancy RACHEL HUNT (Contralto)
 Lionel JAMES SHAW (Tenor)
 Plunket
 LEE THISTLETHWAITE (Baritone)
 Sir Tristan }
 The Sheriff } HERBERT RUDDOCK
 A Servant } J. PIMM
 THE "2ZY" OPERA CHORUS,
 Trained by SAM WHITTAKER.
 Notes by MOSES BARITZ.

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WIRELESS PROGRAMME—MONDAY (Continued from the facing page.)

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

- 8.0.—The Rt. Hon. DAVID LLOYD GEORGE. *S.B. from London.*
- 9.5.—"Martha" (Continued).
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Local News.
- 10.15.—Mr. W. F. BLETCHER, Examiner in Spanish to the U.L.C.I.: Spanish Talk.
- 10.30.—THE SAVOY BANDS. *S.B. from London.*
- 11.30.—Close down.
Announcer: Victor Smythe.

NEWCASTLE.

- 3.45-4.45.—Concert: Katherine Green (Soprano), Peggy Campbell (Solo Pianoforte), T. Middlemiss (Baritone).
- 4.45-5.15.—WOMEN'S HALF-HOUR: Weekly News Letter. Mrs. Sturge on "George Fox."
- 5.15-6.0.—CHILDREN'S CORNER.
- 6.0-6.30.—Scholars' Half-Hour.
- 6.45-6.50.—Farmers' Corner.
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
JOHN STRACHEY. *S.B. from London.*
Radio Association Talk. *S.B. from London.*
Local News.
- 7.35-8.0.—Interval.
- 8.0.—The Rt. Hon. DAVID LLOYD GEORGE. *S.B. from London.*
- 9.5. THE STATION ORCHESTRA.
Conductor: WILLIAM A. CROSSE.
March, "Unter den Linden" *Crosse*
Overture, "Marco Spada" *Auber*
- 9.15. LEE DIXON and COMPANY
in
"THE RIVALS" (*Sheridan*).
Act I, Scene 2
Act III, Scene 3
Cast:
Sir Anthony Absolute LEE DIXON
Captain Absolute
Mrs. Malaprop NORA ALEXANDER
Lydia Languish OLIVE ZALVA
- 9.45. Orchestra.
Selection, "Betty" *Hubens and Steffan*
Waltz, "The Grenadiers" *Waldteufel*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Local News.
- 10.15.—THE SAVOY BANDS. *S.B. from London.*
- 11.30.—Close down.
Announcer: W. M. Shewen.

ABERDEEN.

- 3.30-5.0.—Concert: Dance Afternoon—The Wireless Quartette. James Reid (Tenor). The Hon. Mrs. MacGilchrist on "Impressions of the All World Sunday School Convention at Glasgow. Feminine Topics.
- 6.0-6.30.—CHILDREN'S CORNER. Games Corner.
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
JOHN STRACHEY. *S.B. from London.*
Radio Association Talk. *S.B. from London.*
Local News.
- 7.35.—Girl Guides' News Bulletin: Boy Scouts' News Bulletin.
- 8.0.—The Rt. Hon. DAVID LLOYD GEORGE. *S.B. from London.*

Everybody's Programme.

- JOHN HUNTINGTON (Baritone).
THE WIRELESS ORCHESTRA.
Orchestra.
- 9.5. Selection of Hermann Lohr's Popular Songs.
- 9.10. John Huntington.
"The Tramp" *Sawyer*
"Far Beyond the Red Horizon" *Crossley*
- 9.20. Orchestra.
"Mélodie Arabe" *Glazounov*
- 9.30. John Huntington.
"Annabel Lee"
"At Columbine's Grave" } .. *Martin Shaw*
"I Know a Bank" }
- 9.40. Orchestra.
Selection, "Manon Lescaut" *Puccini*
- 9.50. John Huntington.
"Prologue" ("Pagliacci") ... *Leoncavallo*
Scene, "A Lowly Peasant Girl" } ("The Lily of Killarney")
Air, "The Colleen Bawn" } .. *Benedict (1)*
"For a Carousal" ("Don Giovanni") .. *Mozart (11)*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Local News.
- 10.15.—THE SAVOY BANDS. *S.B. from London.*
- 11.30.—Close down.
Announcer: W. D. Simpson.

GLASGOW.

- 3.30-4.30.—The Wireless Quartette and William Gibson (Tenor).
- 4.45-5.15.—TOPICS FOR WOMEN: Topical Afternoon.
- 5.15-6.0.—CHILDREN'S CORNER. Letter Competition Results.
- 6.0-6.5.—Weather Forecast for Farmers.
- 6.45-6.55.—F. J. SANDEMAN on "The Efficiency of Retail Salesmanship."

- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
JOHN STRACHEY. *S.B. from London.*
Radio Association Talk. *S.B. from London.*
Local News.
- 7.35-8.0.—Interval.
- 8.0.—The Rt. Hon. DAVID LLOYD GEORGE. *S.B. from London.*
- Popular Night.
- 9.5. ELSIE COCHRANE (Soprano).
"L'Amoro" *Mozart*
(With Orchestral Accompaniment.)
- 9.10. ORCHESTRA.
Waltz, "Gold and Silver" *Lehar*
- 9.15. HUGH OGILVIE (Scots Comedian).
Will Sing Songs of his own Composition.
"Saying Up to Buy a Pair o' Troosers."
"Queen of the Tenement."
"Sea, Sea, Sea."
- 9.30. Orchestra.
Entr'acte, "A Gondola Love Song" .. *Olsen*
- 9.35. Elsie Cochrane.
"Hindu Song" *Rimsky-Korsakov*
"Waltz Song" ("Romeo and Juliet") .. *Gounod*
(Both with Orchestral Accompaniment.)
- 9.45. Hugh Ogilvie.
"Men, How I Hate Them."
"An Old-Fashioned Chap."
"I'm Bound For Nowhere."
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Local News.
- 10.15.—THE SAVOY BANDS. *S.B. from London.*
- 11.30.—Close down.
Announcer: Richard B. Alexander.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 55.

EVENTS OF THE WEEK.

SUNDAY, JULY 6th.

CARDIFF, 8.40.—A Symphony Concert of Interest.

MONDAY, JULY 7th.

LONDON, 8.0.—The Rt. Hon. David Lloyd George on "Dr Clifford as I Knew Him," relayed from Westminster Congregational Church. *S.B. to all Stations.*

CARDIFF, 9.0.—Feature Programme—Art Songs and Chamber Music.

MANCHESTER, 7.35.—"Martha" (Flotow).

NEWCASTLE, 9.15.—"The Rivals" (Sheridan).

TUESDAY, JULY 8th.

LEEDS, 9.0.—Speeches delivered on the occasion of the Official Opening of the Leeds and Bradford Relay Station. *S.B. to all Stations.*

LONDON, 10.40.—"La Polème" (Puccini), Act. IV., played by the B.N.O.C., relayed from His Majesty's Theatre. *S.B. to all Stations.*

BOURNEMOUTH, 7.30.—Comic Opera

Night—"La Cigale" (Audran, with additions by Ivan Caryll).

WEDNESDAY, JULY 9th.

LONDON, 8.15.—"The Magic Flute" (Mozart), Act I., played by the B.N.O.C., relayed from His Majesty's Theatre. *S.B. to all Stations.*

THURSDAY, JULY 10th.

CARDIFF, 8.0.—"Les Cloches de Corneville."

MANCHESTER, 8.45.—"Princess Sonia."
NEWCASTLE, 8.0.—Russian Evening.

FRIDAY, JULY 11th.

LONDON, 9.15.—An Appreciation by Lord Balfour of the late Lord Kelvin on the occasion of the Kelvin Centenary Dinner. *S.B. to all stations.*

LONDON, 10.10.—"Le Coq d'Or" (Rimsky-Korsakov), played by the B.N.O.C., relayed from His Majesty's Theatre. *S.B. to all Stations.*

BIRMINGHAM, 8.0.—Band of H.M. Royal Air Force.

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

WIRELESS PROGRAMME—TUESDAY (July 8th.)

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

LONDON.

1.0-2.0.—Time Signal from Big Ben. Concert: The "2LO" Trio and Gertrude Wood (Contralto).

4.0-5.0.—Time Signal from Greenwich. Concert: "Books Worth Reading," by Jenny Wren. Organ and Orchestral Music relayed from Shepherd's Bush Pavilion. "Careers: The Scribe and Illuminator," by Miss Margaret L. Hodgson.

6.0-6.45.—CHILDREN'S CORNER: Songs by Mary Armstrong (Soprano). "The Travelling Post Office," by R. C. Andrew.

6.45-6.55.—An appeal on behalf of the United Services Fund, by Brigadier-General Robert Henry More, C.M.G., C.B.E., Organizing Secretary of the Fund.

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

Capt. P. P. ECKERSLEY, Chief Engineer, B.B.C., "Technical Topics." *S.B. to all Stations.*

Local News.

7.30-8.0.—Interval.

8.0. **An Hour's Music**

by

THE KNELLER HALL BAND.

Under the Direction of

Lieut. and Director of Music,
H. E. ADKINS.

CHARLES PENROSE (Entertainer.)

9.0.—Speeches delivered on the occasion of the Official Opening of the LEEDS-BRADFORD RELAY STATION. *S.B. from Leeds.*

9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. to other Stations.*

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

Mr. C. LEONARD WOOLLEY, on "Excavations in Babylonia." *S.B. to other Stations.*

Local News.

10.30. Charles Penrose.
In More Laughteritis.

10.40.—"LA BOHEME" (Puccini), Act IV., played by the British National Opera Company. Relayed from His Majesty's Theatre, London. *S.B. to all Stations.*

11.5.—Close down.
Announcer: J. S. Dodgson.

BIRMINGHAM.

3.30-4.30.—Station Piano Quintette: Directed by Frank Cantell.

5.0-5.30.—WOMEN'S CORNER: A. M. Shepherd on "Various Marriage Customs."

5.30-5.35.—Agricultural Weather Forecast.

5.35-6.30.—CHILDREN'S CORNER.

6.30-6.45.—"Teens' Corner: Dr. Ratchiff on "Prehistoric Caves."

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

Capt. P. P. ECKERSLEY. *S.B. from London.*

Local News.

7.30-8.0.—Interval.

Light Classic Programme.

8.0. THE STATION ORCHESTRA.

Overture, "Seraglio"Mozart
Entr'acte, "Le Baiser d'Eunice".....Nougués
Fantasia on "Carmen".....Bizet, arr. Tavan

8.30. ALBERT SAMMONS (Solo Violin).
Introduction, Theme and Dance Hongroise
Sammons
Rondo in G Mozart-Kreiser

8.45. Orchestra.
Fantasia on "La Traviata"
Verdi, arr. Tavan

9.0.—Speeches delivered on the occasion of the Official Opening of the LEEDS-BRADFORD RELAY STATION. *S.B. from Leeds.*

9.30. Albert Sammons.
"Hymn to the Sun"Korsakoff-Kreiser
"Rosamunde"Schubert-Brünnel
"Rhapsody Piedmontese"Sinigaglia

9.50. Orchestra.
Morceau, "Barcarolle"Grunfeld (6)

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

Mr. C. LEONARD WOOLLEY. *S.B. from London.*

Local News.

10.30-10.40.—Interval.

10.40.—"LA BOHEME," Act IV. *S.B. from London.*

11.5.—Close down.
Announcer: A. Pelham.

BOURNEMOUTH.

3.45-5.15.—Ethel Rowland (Solo Pianoforte).
THE ROYAL BATH HOTEL DANCE ORCHESTRA. Relayed from King's Hall Rooms. (Musical Director, DAVID S. LIFF.) Talks to Women. A Woman Doctor on "Mothercraft."

5.15-6.15.—CHILDREN'S CORNER.

6.15-6.45.—Scholars' Half-Hour: John Adams, A.R.C.A., "Early Renaissance—Architecture."

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

Capt. P. P. ECKERSLEY. *S.B. from London.*

Local News.

Comic Opera Night.

7.30. "LA CIGALE."
A Comic Opera in Three Acts.
(Audron, with additions by Ivan Caryll.)

Cast:

Chevalier Franz de Bernheim
HAROLD STROUD (Tenor)

Matthew Vanderkooen (Uncle to Marton and Charlotte)

ERNEST EADY (Baritone)

William F. L. JENKINS (Tenor)

Vincent Knapps

HARRY NIGHTINGALE (Baritone)

The Duke of Fayensberg

ERNEST EADY (Baritone)

Cavalier, Carfew Watch and Mendicant

A. C. WOOD (Baritone)

Charlotte (Cousin to Marton)

WINIFRED ASCOTT (Soprano)

The Duchess of Fayensberg

EDITH THOMAS (Soprano)

La Frivolini GLADYS LONNEN (Soprano)

Marton ... ADELIN SENIOR (Soprano)

THE WIRELESS ORCHESTRA.

THE "6BM" CHORUS.

Under the Direction of
Capt. W. A. FEATHERSTONE.

9.0.—Speeches delivered on the occasion of the Official Opening of the LEEDS-BRADFORD RELAY STATION. *S.B. from Leeds.*

9.30.—"LA CIGALE" (Continued).

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

Mr. C. LEONARD WOOLLEY. *S.B. from London.*

Local News.

10.30-10.40.—Interval.

10.40.—"LA BOHEME," Act IV. *S.B. from London.*

11.5.—Close down.
Announcer: John H. Raymond.

CARDIFF.

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

5.0-5.45.—"5WA'S" "FIVE O'CLOCKS": Vocal and Instrumental Artistes, including Elsie Roberts (Contralto). Talks to Women.

5.45-6.30.—CHILDREN'S CORNER.

6.30-6.45.—"How to Write Stories," by an Editor, (VIII).

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

Capt. P. P. ECKERSLEY. *S.B. from London.*

Local News.

7.30-8.0.—Interval.

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

Welsh Music for Wembley.

8.15.—Address upon and Illustrations of the Music to be performed in the "ALL WALES WEEK" at Wembley Exhibition. Conducted and Directed by Sir HENRY WALFORD DAVIES, Mus. Doc., LL.D., Director of Music and Chairman of the National Council of Music.

9.0.—Speeches delivered on the occasion of the Official Opening of the LEEDS-BRADFORD RELAY STATION. *S.B. from Leeds.*

9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*

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

Mr. C. LEONARD WOOLLEY. *S.B. from London.*

Local News.

10.30-10.40.—Interval.

10.40.—"LA BOHEME," Act IV. *S.B. from London.*

11.5.—Close down.

Announcer: A. H. Goddard.

MANCHESTER.

12.30-1.30.—Mid-day Music relayed from the Piccadilly Picture Theatre.

2.30-3.0.—MAINLY FEMININE: Millicent Murby and Tom Sherlock (Baritone).

3.30-4.30.—Mr. Moses Baritz, Lecture on "The Development of Opera—(V.), Russian Opera."

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WIRELESS PROGRAMME—TUESDAY (Continued from the facing page.)

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

5.45-6.0.—Children's Letters.
 6.0-6.30.—CHILDREN'S CORNER.
 6.30-6.55.—Sybil Maden (Contralto).
 7.0.—NEWS and WEATHER FORECAST.
S.B. from London.
 Capt. P. P. ECKERSLEY. *S.B. from London.*
 Local News.
 7.30-8.0.—Interval.

Popular Programme.

ELSIE COCHRANE (Soprano).
 JOHN HENRY AND ALGY.
 THE "ZY" ORCHESTRA.

8.0 Orchestra.
 March, "Light of Foot" *Latana*
 Overture, "La Gazza Ladra" ... *Rossini*
 Waltz, "Lysistrata" *Lincke*
 Selection, "To-Night's the Night" *Rubens*
 8.30. Elsie Cochrane.
 "Chère Nuit" *Bachelet*
 "Ave Maria" *Percy Bahm*
 8.40.—John Henry and Algy instal a Wireless Set.
 9.0.—Speeches delivered on the occasion of the Official Opening of the LEEDS-BRADFORD RELAY STATION. *S.B. from Leeds.*
 9.30. Elsie Cochrane.
 "Voi che Sapete" *Mozart*
 Orchestra.
 Characteristic Piece, "Bells Across the Meadow" *Ketelbey*
 Waltz, "Tout Paris" *Waldteufel*
 Selection, "The Lilac Domino" *Cuvillier*
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Mr. C. LEONARD WOOLLEY. *S.B. from London.*
 Local News.
 10.30-10.40.—Interval.
 10.40.—"LA BOHEME," Act IV. *S.B. from London.*
 11.5.—Close down.
 Announcer: Victor Smythe.

NEWCASTLE.

3.45-4.45.—Concert: L. A. Nicholson (Solo Violin), Sam Barraclough (Solo Cornet), Robert Mark (Solo Cello).
 4.45-5.15.—WOMEN'S HALF-HOUR: Miss Tinsley on "Handwork for the Children." Hilda Royal, Recitations.
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.30.—Scholars' Half-Hour.
 6.30-6.35.—Boys' Life Brigade News.
 6.45-6.50.—Farmers' Corner.
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Capt. P. P. ECKERSLEY. *S.B. from London.*
 Local News.

Evening of Drama

"DOOR MATS."

A Comedy in Three Acts.
 by Hubert Henry Davies.

Cast:—

Noel Gale (A Painter) .. GORDON LEA
 Sir Rufus Gale (A retired Indian Judge, Noel's Uncle) .. KENDREW MILSON
 Capt. Maurice Harding .. N. H. FIRMIN
 Leila (Noel's Wife) .. M. G. KNYVETT
 Josephine (Rufus's Wife) NORAH BALLS
 Harrison (A Maid-Servant)

SAL STURGEON

The Action takes place in Noel's house in Chelsea, and covers a period of ten weeks.

Act I.—The Studio in Noel Gale's house in Chelsea. (In this Act, Capt. Harding is in full dress uniform for his portrait.)

Act II.—The Drawing-room. Six weeks later.

Act III.—The Dining-room. A month later. The Play produced by GORDON LEA.

9.0.—Speeches delivered on the occasion of the Official Opening of the LEEDS-BRADFORD RELAY STATION. *S.B. from Leeds.*
 9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Mr. C. LEONARD WOOLLEY. *S.B. from London.*
 Local News.
 10.30-10.40.—Interval.
 10.40.—"LA BOHEME," Act IV. *S.B. from London.*
 11.5.—Close down.
 Announcer: E. L. Odhams.

ABERDEEN.

3.30-5.0.—Concert: Operatic Afternoon. Feminine Topics. The Wireless Quartette.
 5.45-6.30.—CHILDREN'S CORNER: Sunshine Hour for Young and Old Kiddies. Soloists: Edwin Brooks and Clarice Henry.
 6.40-7.0.—George Wilson on "Wicket-Keeping" (No. 11 of Cricket Series).
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Capt. P. P. ECKERSLEY. *S.B. from London.*
 Local News.
 7.30-8.0.—Interval.
 8.0.—Farmers' Corner: Agricultural Notes.
Some Songs of Beauty.
 CATHERINE PATERSON (Contralto).
 HERBERT HEYNER (Baritone).
 THE WIRELESS ORCHESTRA.
 8.30. Orchestra.
 "Les Préludes" *Liszt*
 8.50. Catherine Paterson.
 "Voce di donna" ("La Gioconda")
Ponchielli
 "Nuit d'Etoiles" *Debussy*
 "Now the Dancing Sunbeams" (Mermaid's Song) *Haydn (1)*
 9.0.—Speeches delivered on the occasion of the Official Opening of the LEEDS-BRADFORD RELAY STATION. *S.B. from Leeds.*
 9.30. Herbert Heyner.
 "Night" *Strauss*

KEY LIST OF MUSIC PUBLISHERS.

1. Boosey and Co.
2. Curwen, J., and Sons, Ltd.
3. Herman Darewski Music Publishing Co.
4. Elkin and Co., Ltd.
5. Enoch and Sons.
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CHAPPELL WEBER BROADWOOD

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

"Hark, Hark, the Lark" } *Schubert (1)*
 "Who is Sylvia?" }
 "The Erl King" }
 9.40. Orchestra.
 "Three English Dances" *Quilter (1)*
 9.50. Herbert Heyner.
 "I Held Love's Head" }
 "Thou Gavest Me Leave to" } *Warlock (1)*
 "Kiss" }
 "An Old French Carol" .. *arr. Liddle (1)*
 "Mephisto's Song of the Flea" } *Moussorgsky*
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Local News.
 10.10. Herbert Heyner.
 "Twas in the Lovely Month of May" }
 "From Out My Tears" .. } (Poet's Love)
 "The Rose and the Lily" .. } *Schumann (4)*
 "I Gaze Into Thy Tender Eyes" }
 "I Blame Thee Not" }
 10.20. Orchestra.
 "Au Cabaret" *Masselet*
 10.25. Catherine Paterson.
 "Moonlight" *Schumann*
 "Agnus Dei" (with Violin Obligato) .. *Bizet*
 10.40.—"LA BOHEME," Act IV. *S.B. from London.*
 11.5.—Close down.
 Announcer: H. J. McKee.

GLASGOW.

3.30-4.30.—The Wireless Quartette and Ellen Chambers (Contralto).
 4.45-5.15.—TOPICS FOR WOMEN: Art and Literature.
 5.15-6.0.—CHILDREN'S CORNER. Our Weekly Forty-five Minutes with the Smaller Children.
 6.0-6.5.—Weather Forecast for Farmers.
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Capt. P. P. ECKERSLEY. *S.B. from London.*
 Local News.
 7.30-8.0.—Interval.
Humour and Music.
 8.0. BEATRICE MIRANDA (Soprano).
 Songs, Selected.
 8.15. A SKETCH,
 "THE REST CURE"
 (Gertrude Jennings).
Characters:
 Clarence Reed (An Author)
 MUNGO M. DEWAR
 Olive (His Wife)
 BERNARDINE MACDONALD
 Alice Palmer } Both } GLADYS
 (Dark Cat) } Nurses } MACDONALD
 May Williams } } SNOWIE
 (Fair Cat) } } LOGAN
 Muriel (Servant)..... AGNES HARRIS
 Scene: A Bedroom in a Nursing Home.
 Produced by GEORGE ROSS and "5SC"
 REPERTORY COMPANY.
 8.45. Beatrice Miranda.
 Songs, Selected.
 9.0.—Speeches delivered on the occasion of the Official Opening of the LEEDS-BRADFORD RELAY STATION. *S.B. from Leeds.*
 9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Mr. C. LEONARD WOOLLEY. *S.B. from London.*
 Local News.
 10.30-10.40.—Interval.
 10.40.—"LA BOHEME," Act IV. *S.B. from London.*
 11.5.—H. J. HALL'S DANCE BAND, relayed from Gleneagles Hotel.
 12.0.—Close down.
 Announcer: Richard B. Alexander.

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

WIRELESS PROGRAMME—WEDNESDAY (July 9th.)

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

LONDON.

- 4.0-6.0.—Time Signal from Greenwich.
LIGHT CLASSICS PROGRAMME.
THE WIRELESS ORCHESTRA.
 Conducted by DAN GODFREY, Junr.
 FREDERICK CARLTON (Baritone).
 EDITH ASHBY (Solo Pianoforte).
 "My Part of the Country," by A. Bonnet Laird. "Little Tours of the Empire at Wembley," by Miss M. Grant Cook.
- 6.0-6.45.—**CHILDREN'S CORNER:** "How to Become a Musical Detective: Following up Clues," by Miss E. M. G. Reed. Music by the Wireless Orchestra.
- 7.0.—**TIME SIGNAL FROM BIG BEN.** 1ST GENERAL NEWS BULLETIN and WEATHER FORECAST *S.B. to all Stations.*
 Mr. WILLIAM HENRY WILLIAMSON on "The Lyons Mail." *S.B. to other Stations.*
 Local News.
- 7.30-8.15.—Interval.
- 8.15.—"THE MAGIC FLUTE" (Mozart). Act I, played by the British National Opera Company. Relayed from His Majesty's Theatre, London. *S.B. to all Stations except Cardiff.*
- 9.20.—Two One-Act Comedies by Herbert Swears.
S.B. to other Stations.
 "TWO ON A BUS."
 Cast:
 Sam Twyford HERBERT SWEARS
 Kitty (His Wife)
 AMY BRANDON-THOMAS
 Scene: Their Flat in Sloane Street, S.W.
 "WIDOWS."
 Cast:
 Mrs. Smith AGNES THOMAS
 Mrs. Pink CLARE GREET
 Mrs. Yobb HELENA MILLAIS
 Scene: Mrs. Smith's Living Room at 1, Mawby's Rents, Drury Lane, W.C.
 Incidental Music by THE WIRELESS TRIO.
- 10.0.—**TIME SIGNAL FROM GREENWICH.** 2ND GENERAL NEWS BULLETIN and WEATHER FORECAST. *S.B. to all Stations.*
 The Week's Work in the Garden by the Royal Horticultural Society. *S.B. to all Stations.*
 Sir MALCOLM DELEIVINGNE, K.C.B., of the Home Office, on "The League of Nations: The League and Opium." *S.B. to all Stations.* Local News.
- 10.35.—**THE SAVOY ORPHEANS** and SAVOY HAVANA BANDS, relayed from the Savoy Hotel, London. *S.B. to all Stations.*
- 11.30.—Close down.
 Announcer: J. S. Dodgson.

BIRMINGHAM.

- 3.30-4.30.—Lozells Picture House Orchestra, conducted by Paul Rimmer.
- 5.0-5.30.—**WOMEN'S CORNER:** Alice Couchman, Pianoforte Recital.
- 5.30-5.35.—Agricultural Weather Forecast.
- 5.35-6.30.—**CHILDREN'S CORNER.**
- 6.30-6.45.—"Teens' Corner: Alice Couchman, Talk and Pianoforte Recital on "Chopin."
- 7.0.—**NEWS** and WEATHER FORECAST. *S.B. from London.* Local News.
 H. C. LACEY, M.B.E. (Organising Secretary of the Memorial Theatre, Stratford-on-Avon), on "The Theatre in the Green Meadows."
- 7.30-8.0.—Interval.
- Miscellaneous Programme.**
- 8.0.—JOHN HENRY in a Humorous Adventure.
- 8.15.—"THE MAGIC FLUTE," Act I. *S.B. from London.*
- 9.20.—JANET JOYE (Dramatic Recitals).
 "A Scene from Mary Stuart." Drinkwater
 "The Vagabond"
- 9.30.—John Henry in a Further Adventure.
- 9.40.—Janet Joye (Songs at the Piano).
 "Men" Rubens
 "King Henry" (from "Four Cautionary Tales and a Moral") Lehmann
 "Love and Arithmetic" Rose (13)

- 10.0.—**NEWS** and WEATHER FORECAST. *S.B. from London.*
 Royal Horticultural Society Talk. *S.B. from London.*
 Sir MALCOLM DELEIVINGNE. *S.B. from London.*
 Local News.
- 10.35.—**THE SAVOY BANDS.** *S.B. from London.*
- 11.30.—Close down.
 Announcer: A. Pelham.

BOURNEMOUTH.

- 3.45-5.15.—Bournemouth Gasworks Band (Bandmaster, L. C. Gordon). Talks to Women. Mrs. George Dance: Competition Announcement, Gardening.
- 5.15-6.15.—**CHILDREN'S CORNER.**
- 6.15-6.45.—Scholars' Half-Hour: Mrs. Marion Sharpe, M.A., "Sunny Providence."
- 7.0.—**NEWS** and WEATHER FORECAST. *S.B. from London.*
 ELLEN THORNYCROFT FOWLER (Authoress), on "New Brooms."
 Local News.
- 7.30-8.15.—Interval.
- 8.15-11.30.—*The entire Programme S.B. from London.*
 Announcer: John H. Raymond.

CARDIFF.

- 3.0-4.0.—Falkman and his Orchestra, relayed from the Capitol Cinema.
- 5.0-5.45.—"SWA'S" "FIVE O'CLOCKS": Vocal and Instrumental Artistes. Talks to Women. The Station Orchestra. Weather Forecast.
- 5.45-6.30.—**CHILDREN'S CORNER.**
- 6.30-6.45.—Nature in Art (Studies in the Lives of Great Artists): V., "The Grape," in "Bacchus and Ariadne" (Titian).
- 7.0.—**NEWS** and WEATHER FORECAST. *S.B. from London.*
 Local News.
- 7.15.—Miss ELEANOR VACHELL, F.L.S., Member of the Botanical Exchange Club of the British Isles, on "Flowers of the Week."
- 7.30-8.0.—Interval.
- The Magic Carpet.—XVI.**
- 8.0.—The Magic Carpet will make a Flight to WEST AFRICA.
 Pilot, Dr. JAS. J. SIMPSON, M.A., D.Sc. Comrades are invited to be ready for the journey at 8.0 precisely; the Carpet will finish its Flight at 9.30 p.m.
 THE STATION ORCHESTRA will accompany the Party, and Native Music will be played during the evening.
 Next Wednesday: A Flight to India.
- 9.30.—"Three Country Sketches" Hcwgill
 "Washington Greys" Grafula
- 9.45.—ELSIE COCHRANE (Soprano).
 "Hindu Song" Rimsky-Korsakoe
 "Nymphes et Sylvain" Bember
 "Should He Upbraid?" Bishop (1)
 "A Birthday" H. Woodman
- 10.0.—**NEWS** and WEATHER FORECAST. *S.B. from London.*
 Royal Horticultural Society Talk. *S.B. from London.*
 Sir MALCOLM DELEIVINGNE. *S.B. from London.*
 Local News.
- 10.35.—**THE SAVOY BANDS.** *S.B. from London.*
- 11.30.—Close down.
 Announcer: C. H. King.

MANCHESTER.

- 2.30-3.0.—**MAINLY FEMININE.** Nelly Hughes (Soprano).
- 3.15-5.0.—**BESSES O' TH' BARN BAND.** Relayed from the New Municipal Gardens, Southport.
- 5.45-6.0.—Children's Letters.
- 6.0-6.30.—**CHILDREN'S CORNER.**
- 7.0.—**NEWS** and WEATHER FORECAST. *S.B. from London.* Local News.
 Dr. Voitch Clarke, M.O.H., Manchester, on "Vitamines."
- 7.30-7.45.—Interval.

- 7.45.—**THE "2ZY" QUARTETTE.**
 March, "The Gladiator's Farewell"
Blankenburg
 Selection, "The Arcadians"
Monckton and Talbot
 HELENA CECILE (Entertainer).
 "Mrs. Caudle's Curtain Lecture" Jerrold
 "Foolish Questions" (6)
- 8.15.—"THE MAGIC FLUTE," Act I. *S.B. from London.*
- 9.20.—LEE THISTLETHWAITE (Baritone).
 "Bright is the Ring of Words"
 V. Williams (1)
 "Ships of Arcady" } Michael Head (1)
 "Beloved" }
 Helena Cecile.
 "Colds" (13)
 "The Whitest Man I Know" (13)
 Lee Thistlethwaite.
 "Woo, Thou, Thy Snowflake" Sullivan
 "When I was a Page" Verdi
 Quartette.
 Selection, "La Tosca" Puccini-Tarzan
 March, "A Bunch of Roses" Chapi
- 10.0.—**NEWS** and WEATHER FORECAST. *S.B. from London.*
 Royal Horticultural Society Talk. *S.B. from London.*
 Sir MALCOLM DELEIVINGNE. *S.B. from London.*
 Local News.
- 10.35.—**THE SAVOY BANDS.** *S.B. from London.*
- 11.30.—Close down.
 Announcer: H. B. Brennan.

NEWCASTLE.

- 3.45-4.45.—Concert: The Station Light Orchestra.
- 4.45-5.15.—**WOMEN'S HALF-HOUR:** Alison Latham, "A Sketching Holiday in Brittany."
- 5.15-6.0.—**CHILDREN'S CORNER.**
- 6.0-6.30.—Scholars' Half-Hour.
- 6.35-6.50.—Farmers' Corner: Professor Gilchrist, "Seasonable Notes."
- 7.0.—**NEWS** and WEATHER FORECAST. *S.B. from London.*
 Local News.
 J. L. GIBSON, B.A.: French Talk.
- 7.30-7.50.—Interval.
- 7.50.—BEATRICE MIRANDA (Soprano).
 "May Victory be Thine" (Aida) Verdi (11)
 "A Birthday" Huntington Woodman
 "Air de Lia" ("Prodigal Son") Debussy
 "A Dream" Grieg
- 8.15-11.30.—*The entire Programme S.B. from London.*
 Announcer: R. C. Pratt.

ABERDEEN.

- 3.30-5.0.—Lena Blackman (Solo Pianoforte), William Bennett (Solo Violin), William Harkins (Solo Clarinet), Robert McConachie (Solo Cornet), Burnett Farquhar (Solo Flute). A Local Expert on "Carpets." Feminine Topics.
- 6.0-6.30.—**CHILDREN'S CORNER:** A Party for Insects.
- 7.0.—**NEWS** and WEATHER FORECAST. *S.B. from London.*
 Mr. WILLIAM HENRY WILLIAMSON. *S.B. from London.*
 Local News.
- 7.30.—CHARLES DAVIDSON, M.A., of Aberdeen University: 5th Lecture on Spanish.
- 8.0-8.15.—Interval.
- 8.15.—"THE MAGIC FLUTE," Act I. *S.B. from London.*
Dance Night.
 SYBIL MADEN (Contralto).
THE WIRELESS JAZZ ORCHESTRA.
 9.20.—Jazz Orchestra.
 One Step: "The Oom-pek Trot"; Fox-trot, "Seven and Eleven" (9); Waltz, "Hawaiian Rainbow" (9); Waltz, "Peggy O'Halaran" (23); Fox-trot, "Last Night on the Back Porch."

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 53.



The Savoy Havana Band, which, with the Savoy Orpheans Band, broadcasts dance music relayed from London to all stations, each week. The small disc shown in the top left-hand corner of the photograph is the microphone.

WIRELESS PROGRAMME—WEDNESDAY (Continued from the facing page.)

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

- 9.40. Sybil Maden.
 "The Linden Tree" } Schubert
 "Whither" }
 "The Trout" }
 "Lullaby" }
 "Sunday" } Brahms
 "Serenade" }
 10.0.—NEWS and WEATHER FORECAST.
S.B. from London.
 Royal Horticultural Society Talk. *S.B. from London.*
 Sir MALCOLM DELEIVINGNE. *S.B. from London.* Local News.
 10.10.35. Jazz Orchestra.
 Fox-trot, "Maggie!" "Yes, Ma" (7); Waltz, "Isle of Sweethearts"; One-Step, "Why Does a Chicken?" (10).
 10.45. Sybil Maden.
 "Elégie" Massenet
 "The Moon at the Full" Rovaal (5)
 "From the Land of the Sky Blue Water" Cadman (1)
 11.0.—THE SAVOY BANDS, *S.B. from London.*
 11.30.—Close down.
 Announcer: A. M. Shinnie.

GLASGOW.

- 3.30-4.30.—The Wireless Quartette and Jenny McColl (Mezzo-Soprano).
 4.45-5.15.—TOPICS FOR WOMEN: "Music and Gossip."
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.5.—Weather Forecast for Farmers.
 6.5-6.15.—Weekly Morse Code Lesson by Uncle Leslie.
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Mr. WILLIAM HENRY WILLIAMSON. *S.B. from London.* Local News.
 7.30-7.45.—Interval.
 Classical Night.
S.B. to Edinburgh.
 THE STATION ORCHESTRA.
 Conducted by ISAAC LOSOWSKY.
 ALBERT SAMMONS (Solo Violin).
 HERBERT A. CARRUTHERS (Pianoforte).
 HERBERT HEYNER (Baritone).
 7.45. Albert Sammons and Herbert A. Carruthers. "Sonata in D Minor" for Piano and Violin *Brahms*

- 8.15.—"THE MAGIC FLUTE," Act I. *S.B. from London.*
 9.20. Hebert Heyner.
 Three Shakespearean Songs..... Quilter (1) (With Orchestral Accompaniment.)
 9.25. Albert Sammons.
 "Hymn to the Sun" ... Korsakov-Kreisler
 "Rosamunde" Schubert-Brunel
 "Rondo in G" Mozart-Kreisler
 9.40. Hebert Heyner.
 "Mystical Songs" ... Faughan Williams (14) (Accompaniment with String Quartette and Piano.)
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Royal Horticultural Society Talk. *S.B. from London.*
 Sir MALCOLM DELEIVINGNE. *S.B. from London.* Local News.
 10.35.—THE SAVOY BANDS. *S.B. from London.*
 11.30.—Close down.
 Announcer: Richard B. Alexander.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 55.

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

WIRELESS PROGRAMME—THURSDAY (July 10th.)

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

LONDON.

- 1.0-2.0.—Time Signal from Big Ben. The Week's Concert of Gramophone Records.
 4.0-5.0.—Time Signal from Greenwich. Concert: The Wireless Trio and Aline Johnson (Soprano). Prof. Sir J. J. THOMSON, relayed from the Kelvin Ovation at Wembley. A Talk on Fashion by Nora Shandon. "Sponge and Sponge Crubbers," by Arnot Robertson.
 6.0-6.45.—CHILDREN'S CORNER: "Stories by Miss Nobody Special." Auntie Hilda at the Piano. "A Trip Round the World: St. Helena." L. G. M. of the *Daily Mail* on "Some 200 Tugs-of-War."
 7.0.—TIME SIGNAL FROM BIG BEN. 1ST GENERAL NEWS BULLETIN and WEATHER FORECAST. *S.B. to all Stations.*

PERCY SCHOLES (the B.B.C. Music Critic): "The Fortnight's Music." *S.B. to all Stations.*

Talk by the Radio Society of Great Britain. *S.B. to all Stations.*

Local News.

7.35-8.0.—Interval.

- 8.0. **Popular Programme.**
 RACHEL HUNT (Contralto).
 ANDREW SHANKS (Bass).
 PHILIP MIDDLEMISS (Entertainer).
 THE WIRELESS ORCHESTRA.
 Conducted by DAN GODFREY, Jun.
 March, "La Rebirata Italiana" *Drescher*
 Overture, "Pique Dame" *Suppé*
 Waltz, "Phryné" *De Zulueta*

Contralto Songs.
 "In Haven" ("Sea") *Elgar* (1)
 "Where Corals Lie" ("Pictures")
 Entertainer.

"Swank" *Middlemiss*
 Bass Songs.

"Largo al Factotum" ("The Barber of Seville") *Rossini*
 (With Orchestra.)

"Marching Song" *M. V. White* (1)
 Orchestra.

Selection, "La Gran Via" *Valverde*
 Intermezzo, "The Grasshoppers' Dance"
Bucalossi

Suite, "Chelsea China" *Maurice Beley* (1)
 Bass Songs.

"The Jolly Jenkin" *Sullivan*
 (With Orchestra.)

"The Gentle Maiden" *Traditional*
 "Onaway, Awake, Beloved" ... *Cowen* (1)
 Entertainer.

"Anniversaries" *Middlemiss*
 Orchestra.

Selection, "Young England"
Chasman and Bath

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

Public Health Talk—II., by Sir GEORGE NEWMAN, K.C.B., M.D., F.R.S.E., under the auspices of the Ministry of Health. *S.B. to all Stations except Manchester.*

Local News.

10.30. Orchestra.
 Suite, "A Little Dutch Girl" *Kalman*
 Contralto Songs.

"The Loyal Lover" } *Old Folk Songs*
 "The Spider" }
 "Fairy Pipers" *Brewer* (1)
 All Specially Orchestrated by Harry Mortimer, Orchestra.

Fox-trots: "Dancing Time," "Horsey, Keep Your Tail Up" (6)

11.0.—Close down.
 Announcer: J. G. Broadbent.

BIRMINGHAM.

3.30-4.30.—Station Pianoforte Quintette: Directed by Frank Cantell.

5.0-5.30.—WOMEN'S CORNER: Winifred Morris (Contralto), Stanley Finchett (Tenor).

5.30-5.35.—Agricultural Weather Forecast.
 5.35-6.30.—CHILDREN'S CORNER.

6.30-6.45.—"Teens' Corner: Mabel France on "How to Enjoy Your Holidays."

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

PERCY SCHOLES. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Local News.

7.35-8.0.—Interval.

Staff Programme.
 8.0.—The whole of the selected items for this programme will be composed and rendered by Members of the Station Staff, including Orchestra and Choir.

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

10.30.—STAFF PROGRAMME (Continued).
 11.0.—Close down.
 Announcer: A. Pelham.

BOURNEMOUTH.

3.45-5.15.—The Wireless Orchestra. Joan Hastings (Songs at the Piano). Talks to Women. Ann Peter, M.A., on "Current and Contemporary Literature."

5.15-6.15.—CHILDREN'S CORNER.
 6.15-6.45.—Scholars' Half-Hour: W. Troath on "Wordsworth."

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

PERCY SCHOLES. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Local News.

7.35-8.30.—Interval.

8.30. **Juvenile Competition Night.**
 The three Turns, of any nature, adjudged to be the best will be Prize Winners. Listeners are asked to send in a card naming the Turns in order of merit, and a Prize will be awarded to the person sending in the list corresponding with the judges' decision, or the nearest thereto.

How to Enter:
 Send in your name, address, and age, and state whether Vocalist, Instrumentalist, or Elocutionist. If Instrumentalist, state instrument.

Age Limit: Twelve to Eighteen.

9.45. **THE WIRELESS ORCHESTRA.**
 Conductor, Capt. W. A. FEATHERSTONE.

Selection, "Mignon" *Thomas-Tavan*
 9.55. **ELSIE COCHRANE** (Soprano).
 "Birthday" *Woodman*
 "Villanelle" *Delacqua*

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

10.30. **Elsie Cochrane.**
 "Voi che Sapete" ("Figaro") *Mozart* (11)
 "Jewel Song" ("Faust") *Gounod*
 (With Orchestral Accompaniment.)

10.40. **Orchestra.**
 Selection, "Genevieve de Brabant"
Offenbach

10.50. **Elsie Cochrane.**
 "Hindu Song" *Rimsky-Korsakov*
 "Una voce poco fa" *Rossini*
 (With Orchestral Accompaniment.)

11.0.—Close down.
 Announcer: John H. Raymond.

CARDIFF.

3.0-4.0.—The Station Trio and Mary Diggory (Soprano).

4.0-4.45.—The Carlton Orchestra, relayed from the Carlton Restaurant.

5.0-5.45.—"5WA'S" "FIVE O'CLOCKS": Mr. Isaac J. Williams, Keeper of Art, the National Museum of Wales. Vocal and Instrumental Artistes. Jack Lewis (Baritone). Talks to Women. Weather Forecast.

5.45-6.30.—CHILDREN'S CORNER.
 6.30-6.45.—"How to Speak Welsh" (IV.), by Huw J. Huws. (Alternate Week, French).

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

PERCY SCHOLES. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Local News.

7.35-8.0.—Interval.

8.0. **Les Cloches De Corneville.**
 A Comic Opera in Three Acts.
 Music by Robert Planquette.
 THE STATION ORCHESTRA.
 Conductor, WARWICK BRAITHWAITE

Cast:—
 Marquis de Corneville
 Dr. F. HARRINGTON

Gaspard (The Miser) SIDNEY MILLER
 The Bailie RONALD EVANS
 Grenicheux WILLIAM LEWIS
 Gobo (The Bailie's Shadow)

SIDNEY EVANS
 Serpolette (a Waif) LILLIAN LEWIS
 Germaine EDITH GUNTER
 Christophe DAVID THORNTON
 Catherine BETTY LINDSAY
 Marguerite GRACE HANCOCK

Peasants, Fishermen, Officers, Knights, etc.
 Act I.

Scene I. The Seashore near Corneville.
 Scene II. The Road to the Fair.
 Scene III. Market Place in Corneville.

Overture.
 Chorus, "All Who for Servants?"
 Air and Chorus, "They Say."
 Recit. and Coda, "Scandalmonger."
 Rondo, "I May Be Princess."
 Berceurle, "On Billow Rocking"
 Duet, "Twas But an Impulse."
 Solo and Chorus, "Legend of the Bells."
 Waltz Rondo, "With Joy in My Heart."
 Ensemble, "Such Conduct is Quite Sad."
 Couplets, "Tho' They May Not Pursue Me."
 Chorus, "Come, Farmer Small."
 Chorus of Menservants, "Than Us You Will Not Find Better."
 Chorus of Coachmen, "Who are Drivers Lacking?"
 Chorus of Maidservants, "Who are Wanting Maidens Able?"
 Finale, "Tell Me, Girl."
 Act II.

Interior of the Château, Corneville.
 Entr'acte.

Concerted Number, "Let Our Torches."
 Air, "By His Side."
 Trio, "I'll Shut My Eyes."
 Song, "Not a Ghost at All."
 Buffo Song, "Oh, Dear! Oh, Dear!"
 Recit., Air, and Chorus, "Silent Heroes."
 Ensemble and Couplet, "What's She Saying?"
 Duet, "Tis She! A Happy Fate."
 Chorus and Quintette, "As He's Looking Somewhat Pale."
 Finale, "Love, Honour, Happiness."
 Act III.

Orchard in Corneville.
 Entr'acte and Dance.

Song of the Beggars, "Aye, Aye, Aye."
 Chorus and Song, "There She Goes."
 Song and Chorus, "The Cider Song."
 Song, "That Night I'll Ne'er Forget."
 Duet, "My Lord! My Lord!"
 Finale, "Old Man, I Pardon Thee."
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Sir GEORGE NEWMAN. *S.B. from London.*
 Local News.

10.30.—"LES CLOCHES DE CORNEVILLE"
 (Continued).

10.45.—Close down.
 Announcer: C. H. King.

MANCHESTER.

11.30-12.30.—Morning Concert by the "2ZY" Quartette.

5.10-5.40.—MAINLY FEMININE: Miss Moore on "What a Woman Can Do."
 5.45-6.0.—Children's Letters.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 55.

WIRELESS PROGRAMME—THURSDAY (Continued from the facing page.)

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

6.0-6.30.—CHILDREN'S CORNER.
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 PERCY SCHOLES. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Local News.
 7.35-7.45.—Interval.
 7.45. BEATRICE MIRANDA (Soprano).
 "My Victory be Thine" (Aida) Verdi
 "A Dream" Grieg
 HARCOURT MILLS (Entertainer).
 "Rosa" (An Italian Story) *Own Creation*
 "A Dickens Monologue."
 Beatrice Miranda.
 "Santuzza's Aria" Mascagni
 "A Birthday" Huntington-Woodman
 Harcourt Mills.
 "Gentleman of France" *Henry Ainley* (13)
 8.30-8.45.—Interval.
 8.45. "THE PLANETS COMPANY"
 present
 "PRINCESS SONIA."
 A New Farce in Three Acts.
 Written and produced by
 VICTOR SMYTHE.
 Music Directed by ERIC FOGG.
 Stage Director, D. E. ORMEROD.
 Cast:—

	<i>Nom de Plume.</i>
Mr. Simpkins (Partners of Professor Simpkins and Pollitt, Milliners, Bond Street, W.)	Day
Mr. Henry Wilkes (General Factotum at Simpkins and Pollitt)	Night
Dolores (A Mammoquin)	Saturn
Max Langley (A Continental Swindler)	Venus
Matilda Pollitt (Henry Pollitt's Wife)	Mars
Princess Sonia of Urania	Mercury
Prince Karl (a Prince of a neighbouring Province)	Jupiter
Barclay (Maid to the Princess)	Neptune
Musical Numbers from "Battling Butler," "The Golden Moth," and "The Island King":	Uranus
"Why Can't I?" (Philip Braham)	
"Nuts in May" (Novello)	Mr. Pollitt
"Spare a Little Love" (Gideon)	Dolores
"If I Gave the World to You" (Garstin)	Prince Karl
"Dancing Honeymoon" (Philip Braham)	Barclay and Pollitt
"Romance" (Novello)	Prince and Sonia
"William of Nor-man-dee" (Garstin)	Pollitt and Chorus.

 Scene: Salon in "Simpkins and Pollitt."
 Time: Present.
 24 hours elapse between Acts I. and II. and two hours between Acts II. and III.
 "SUNSET."
 A Play in One Act
 by
 Jerome K. Jerome.
 "—Never a morning wore
 To evening, but some heart did break."
 Cast:—

	<i>Nom de Plume</i>
Lois (Half Sisters)	Uranus
Joan	Jupiter
Aunt Darsilla	Mercury
Lawrence	Professor Night
Azariah Stodd	Neptune
Mr. Rivers (Lois' Father)	Mars

 Scene: A Drawing-room in a Country House.
 Time: Present.
 10.30.—NEWS and WEATHER FORECAST.
 Local News.
 Mr. W. F. BLETCHER, Examiner in Spanish to the U.L.C.I., Spanish Talk.
 11.0.—Close down.
 Announcer: Victor Smythe.

NEWCASTLE.

3.45-4.45.—Concert: Walter S. Barry's Trio.
 4.45-5.15.—WOMEN'S HALF-HOUR.
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.30.—Scholars' Half-Hour.
 6.45-6.50.—Farmers' Corner.
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 PERCY SCHOLES. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Local News.
 7.35-8.0.—Interval.
Russian Evening.
 HERBERT HEYNER (Baritone).
 ALBERT SAMMONS (Solo Violin).
 ISOBEL SMALLWOOD (Contralto).
 THE STATION ORCHESTRA.
 Conductor—WILLIAM A. CROSSE.
 8.0. Orchestra.
 Excerpts from "Eugene Onegin" *Tchaikovsky*
 8.15. Herbert Heyner.
 "When the King Went Forth to War" *Koenemann*
 "Nay, Though my Heart Should Break" *Tchaikovsky* (1)
 "Don Juan's Serenade"
 8.25. Albert Sammons.
 "Canzanetta from Violin Concerto" *Tchaikovsky*
 "Serenade" *Arensky*
 "Slavische Tanze" *Russisch-Zimbalist*
 "Dance Oriental" *Korsakoff-Kreidler*
 Orchestra.
 Melody in F *Rubinstein*
 Herbert Heyner.
 "Autumn Winds are Sighing" *Klem*
 "The Dreary Steppe" *Gretschminof*
 "Song of the Shepherd Lehl" *Rimsky-Korsakov*
 "Youth" *Arensky*
 "Mephisto's Song of the Flea" *Moussorgsky*
 Albert Sammons.
 "Hebrew Lullaby" *Achron-Auer*
 "Serenade" *Rachmaninoff-Elman*
 "The Lark" *Glinka-Balakireff-Auer*
 Orchestra.
 "Bargarolle in G Minor" *Tchaikovsky*
 "Cossack Revels" *Tschakoff*
 9.30. Isobel Smallwood.
 Songs, Selected.
 9.40. Orchestra.
 "Chanson Indoue" *Rimsky-Korsakov*
 9.50. Isobel Smallwood.
 Songs, Selected.
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Sir GEORGE NEWMAN. *S.B. from London.*
 Local News.
 10.30. Orchestra.
 Selection, "Catherine" *Tchaikovsky*
 10.45.—Close down.
 Announcer: W. M. Shewen.
ABERDEEN.
 3.30-5.0.—Popular Afternoon.
 6.0-6.30.—CHILDREN'S CORNER: Stories from the Kiddies.
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 PERCY SCHOLES. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Local News.
 7.35-8.0.—Interval.
 8.0.—Boys' Brigade News Bulletin. Sheriff A. J. Louttit Lain, LL.B., Hon. Pres. of the Battalion—"A Message to All Going into Camp."
Scots Night.
 MAUD PENNINGTON (Soprano).
 J. LIVINGSTONE WRIGHT (Tenor).
 Mrs. SHAND'S DANCE ORCHESTRA.
 8.30. Dance Orchestra.
 Strathspey and Reel, "Mrs. Garden of Troup" (Perth Assembly) *Gleadhill*
 Quadrilles, "The Gordon Highlanders" *Wood*
 8.45. J. Livingstone Wright.
 "Annie Laurie" *Scott*
 "Macgregor's Gathering" *Lee*

8.55. Maud Pennington.
 "Turn Ye to Me" *Wilson*
 "My Heart is Sair" *Burns*
 9.5. Dance Orchestra.
 "Circassian Circle" *Kerr*
 Waltz, "Septembre" *Godin*
 Reel o' Tulloch, "Reel o' Tulloch" *Kerr*
 9.20. J. Livingstone Wright.
 "The Bonnie Lass o' Ballochmyle" *Jackson*
 "Of a' the Airs" *Marshall*
 9.30. Dance Orchestra.
 Strip the Willow, "Irish Airs" *Kerr*
 Polka, "The Sultan's Polka" *D'Albert*
 Highland Schottishes, "Monymusk," "Lady Ann Hope," "Braes o' Mar" *Gleadhill*
 9.45. Maud Pennington.
 "The Parting" *Bantock* (4)
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Sir GEORGE NEWMAN. *S.B. from London.*
 Local News.
 10.30. Dance Orchestra.
 Triumph, "Triumph and Meg Merrilees" *Kerr*
 Petronella, "The Persian Dance" *Gleadhill*
 10.45. Maud Pennington.
 "Jock o' Hazeldean" *Scott*
 "The Land o' the Leal" *Lady Nairne*
 10.55. Dance Orchestra.
 "Eightsome Reel" *Gleadhill*
 "Sir Roger de Coverley" *Gleadhill*
 11.10.—Close down.
 Announcer: A. M. Shinnie.
GLASGOW.
 3.30-4.30.—Request Afternoon.
 4.15-5.15.—TOPICS FOR WOMEN: Health Chats.
 5.15-6.0.—CHILDREN'S CORNER.
 6.0-6.5.—Weather Forecast for Farmers.
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 PERCY SCHOLES. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Local News.
 7.35-8.0.—Interval.
Request Night.
 JOHN HENRY (Entertainer).
 SYBIL MADEN (Contralto).
 GERTRUDE SIMPSON (Soprano).
 THE STATION ORCHESTRA.
 Conducted by ISAAC LOSOWSKY.
 8.0.—Selection, "The Naughty Princess" *Cuvillier*
 8.10. Gertrude Simpson.
 "Hindoo Song" *Bemberg*
 "The Empty Nest" *Cadman* (1)
 8.20.—Ballet Music, "Herodiade" *Massenet*
 8.35. John Henry.
 "Alone in the Studio"
 8.45.—Overture, "Mehusine" *Mendelssohn*
 8.55.—Dr. R. F. PATTERSON on "Elizabethan Drama."
 9.5. Sybil Maden.
 "Bluebells from the Clearing" *E. Walker* (4)
 "At Morning" *London Ronald* (5)
 "The Palanquin Bearers" *Martin Shaw* (2)
 9.15. Orchestra.
 Fox-trot, "Marcheta"; Waltz, "Romany Rose" *Ayer* (9)
 9.25. John Henry.
 "Still Alone in the Studio"
 9.35.—Selection, "The Bing Boys on Broadway" *Ayer* (6)
 9.47. Gertrude Simpson.
 "A Brown Bird Singing" *H. Wood*
 "Just a Dream" *G. D'Hardelot*
 "Fairy Roses" *Coleridge-Taylor* (1)
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Sir GEORGE NEWMAN. *S.B. from London.*
 Local News.
 10.30. Sybil Maden.
 "Three Cameos" *Liza Lehmann* (5)
 10.45.—Fox-trot, "Pasadena" (9); Blues, "Maggie Blues" (9); Fox-trot, "I Love You" (7); One-step, "Oh! Harold" (7).
 11.0.—Special Announcements. Close down.
 Announcer: Mungo M. Dewar.
 A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 55.

WIRELESS PROGRAMME—FRIDAY (July 11th.)

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

LONDON.

- 1.0-2.0.—Time Signal from Big Ben. Concert: The Wireless Trio and Flora Reader (Mezzo-Soprano).
- 3.15-3.45.—The Rt. Hon. SRINIVASA SASTRI on (1) "Child Life in India." (2) "An Indian Street Scene." Special Programme to Schools.
- 4.0-5.0.—Time Signal from Greenwich. Concert: Nell Cranwill (Mezzo-Soprano). "A Holiday in Switzerland," by Joan Kennedy. Organ Music, relayed from Shepherd's Bush Pavilion. "Great Romances—Shah Jahan and Arjamund, 'the Beloved,'" by Mrs. Townrol.
- 6.0-6.45.—CHILDREN'S CORNER. "The Discontented Pig" from "Educating by Story-telling," by Katherine Dunlap Cather. "Treasure Island," Chap. 21, Pt. 2, by Robert Louis Stevenson. Uncle Jack Frost's Wireless Yarn.
- 7.0.—TIME SIGNAL FROM BIG BEN. 1ST GENERAL NEWS BULLETIN and WEATHER FORECAST. *S.B. to all Stations.*
- Dr. F. W. CROSSLEY-HOLLAND on "Science and the Criminal." *S.B. to other Stations.*
- Local News.
- 7.30-8.0.—Interval.
- 8.0. **Miscellaneous Programme.**
- STANLEY HOLT'S NOVELTY DANCE TRIO.
In Original Syncopated Numbers.
PERCY and AMY MERRYMAN (Entertainers).
THE LYRIC QUARTETTE.
In Humorous Part-Songs.
- 9.15.—An Appreciation by Lord BALFOUR of the late Lord Kelvin on the occasion of the Kelvin Centenary Dinner, relayed from the Hotel Victoria. *S.B. to all Stations.*
- 9.35.—Miscellaneous Programme (Continued).
- 10.0.—TIME SIGNAL FROM GREENWICH. 2ND GENERAL NEWS BULLETIN and WEATHER FORECAST. *S.B. to all Stations.*
- Local News.
- 10.10 approx.—"LE COQ D'OR," Act III. (*Rimsky-Korsakov*), played by British National Opera Company. Relayed from His Majesty's Theatre, London. *S.B. to all Stations.*
- Announcer: J. S. Dodgson.

BIRMINGHAM.

- 3.30-4.30.—Lozells Picture House Orchestra, Directed by Paul Rimmer.
- 5.0-5.30.—WOMEN'S CORNER: Matthew B. Walker on "Art in the Home." Graham Squiers, F.C.A., "Informal Chats to Ladies."
- 5.30-5.35.—Agricultural Weather Forecast.
- 5.35-6.30.—CHILDREN'S CORNER.
- 6.30-6.45.—Teens' Corner: Captain Cuttle, "Seaplanes and Flying Boats."
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- Local News.
- 7.15-8.0.—Interval.
- Military Band Night.**
- 8.0. THE BAND OF H.M. ROYAL AIR FORCE.
(By Permission of the Air Council.)
Director of Music: Flight-Lieut. J. AMERS.
Overture, "Mignon" *Ambroise-Thomas*
Dance Suite, "Sambo's Holiday" *Tchaikoff*
Selection of Wilfred Sanderson's Songs (1)

- 8.30. ELSIE COCHRANE (Soprano).
"A Pastoral" .. *Old English, arr. Wilson (1)*
"Lullaby" *Huerter*
"Villanelle" *del Acqua*
- 8.45. Band.
Selection, "Little Nellie Kelly" .. *Cohan*
Morceaux { "Preludium" } *Jarnefelt*
 { "Berceuse" }
 { "Rustle of Spring" } *Sinding*
Ballet Music, "La Reine de Saba" *Gounod*
- 9.15.—Lord BALFOUR. *S.B. from London.*
- 9.35. Band.
"A Musical Jig Saw" *Aston*
Slavonic Dances Nos. 7 and 8 ... *Dvorak*
Selection, "The Beauty Prize" *Kern*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- Local News.
- 10.10 (approx.).—"LE COQ D'OR," Act III. *S.B. from London.*
- Announcer: A. Pelham.

BOURNEMOUTH.

- 3.45-5.15.—The "6BM" Trio: Reginald S. Mout (Violinist), Thomas Illingworth (Cellist), Arthur Marston (Pianist). Antonio Meo (Solo Harp). Talks to Women. Miss Annie Grey on "Fruit Bottling."
- 5.15-6.15.—CHILDREN'S CORNER.
- 6.15-6.45.—Scholars' Half-Hour: E. J. Roberts on "Sportsmanship."
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- Councillor F. W. H. PEATY, J.P., Mayor of Weymouth, on "Athletics and Morals."
- Local News.
- 7.30-8.10.—Interval.
- Dramatic Night.**
- 8.10. THE WIRELESS ORCHESTRA.
Conductor, Capt. W. A. FEATHERSTONE
Serenata, "Love in Idleness" *Macbeth*
- 8.20. BEATRICE MIRANDA (Soprano).
Songs, Selected.
- 8.30. THE BOURNEMOUTH DRAMATIC AND ORCHESTRAL CLUB
Presents the Play
"THE MARRIAGE WILL NOT TAKE PLACE"
(Alfred Sutro).
Cast:—
Sir Henry Parker, Bart.
EDWARD H. BELL.
Mr. Simon Free, K.C., M.P.
F. H. O. NASH.
Miss Charlie Bell
MRS. NEVILLE GARDNER.
Scene—Sir Henry Parker's Study.
Time—During the Great War.
- 9.5. Beatrice Miranda.
Songs, Selected.
- 9.15.—Lord BALFOUR. *S.B. from London.*
- 9.35. CHARLES McEVOY
Presents his One-Act Play,
"LUCIFER."
Cast:—
Captain John Watts
J. WILSON CLARIDGE,
Audrey PHIL LESTER,
Hortense Harvey
MARJORIE BURNSIDE,
Clarence Harvey
CHARLES McEVOY,
Parlour Maid MARGARET SCOTT,
The Wireless Orchestra will render
Selections.

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

- 10.10 (approx.).—"LE COQ D'OR," Act III. *S.B. from London.*

Announcer: John H. Raymond.

CARDIFF.

- 3.0-4.0.—Falkman and his Orchestra, relayed from the Capitol Cinema.
- 5.0-5.45.—"5WA'S" "FIVE O'CLOCKS": Vocal and Instrumental Artistes. Talks to Women. Weather Forecast.
- 5.45-6.30.—CHILDREN'S CORNER.
- 6.30-6.45.—Nature in Art (Studies in the Lives of Great Artists): VI. "The Grape" in "Bacchus and Ariadne" (Titian).
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- Local News.
- 7.15.—Mr. DAN JONES, F.R.A.S., on "The Elements of Astronomy."
THE BAND OF H.M. GRENADIER GUARDS.
(By kind permission of Col. E. N. Sergison Brook, C.M.G., D.S.O.)
Conductor, Lieut. G. MILLER.
Vocalist, MURIEL SOTHAM (Contralto).
- 7.30.—"Homage March" *Wagner*
- 8.0. Songs.
"June" *Quiller (1)*
"O Peaceful England" ("Merrie England")
..... *German*
- Band.
- 8.10.—March, "Indienne" *Selenick*
Descriptive March, "The Guards' Patrol"
..... *A. Williams*
Selection { "Die Meistersinger" } *Wagner*
 { "Valse des Fleurs" *Tchaikovsky*
- 8.41. Songs.
"I Love Thee" *Grieg*
"Can't Remember" *Goatley (5)*
"Caller Herrin" (1)
- 8.51.—Suite of Folk Songs:—
(1) March, "Seventeen Come Sunday."
(2) Intermezzo, "My Bonny Boy."
(3) March, "Folk Songs from Somerset."
Sixth Rhapsody ("Pester Carneval") *Liszt*
- 9.15.—Lord BALFOUR. *S.B. from London.*
- 9.35. Band.
"Valse Lyrique" *Sibelius*
"Russian Peasant Dance" ("Kukuska")
..... *Lohar*
Grand Scene, "La Bénédiction des Poignards"
..... *Meyerbeer (1)*
Bourrée and Gigue (from the Music to
"Much Ado About Nothing")
..... *German (11)*
Excerpts from "Madame Pompadour"
..... *Fall (1)*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- Local News.
- 10.10 (approx.).—"LE COQ D'OR," Act III. *S.B. from London.*
- Announcer: W. N. Settle.

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WIRELESS PROGRAMME—FRIDAY (Continued from the facing page.)

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

MANCHESTER.

- 12.30-1.30.—Mid-day Music, relayed from the Piccadilly Picture Theatre.
- 2.30-3.0.—MAINLY FEMININE.
- 3.30-4.30.—Concert by the "2ZY" Quartette.
- 5.45-6.0.—Children's Letters.
- 6.0-6.30.—CHILDREN'S CORNER.
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
- 7.10.—Dr. J. E. MYERS on "Explosions," with Illustrations.
Local News.
- 7.30-8.0.—Interval.
- 8.0. CONCERT BY THE "2ZY" ORCHESTRA and some Famous Artistes.
Orchestra.
March, "Fame and Glory" *Matt*
Overture, "Rosamunde" *Schubert*
HERBERT HEYNER (Baritone).
"A Mood" *A. Traversa* (1)
"Freights" *Besly* (1)
ALBERT SAMMONS (Solo Violin).
Sonata in A *Handel* (15)
Rondo in G *Mozart-Kreisler*
Orchestra.
Suite, "The Two Pigeons" *Messenger*
ARTHUR WILKES (Tenor).
"Heavenly Aida" ("Aida") *Verdi*
Albert Sammons.
"Introduction, Theme and Dance Hongroise" *Sammons*
"Rhapsody Piemontese" *Sintigaglia*
- 9.15.—Lord BALFOUR. *S.B. from London.*
- 9.35. Herbert Heyner. "The Golden Vanity" *Traditional*
"Mephisto's Song of the Flea" *Moussorgsky*
Arthur Wilkes.
"O Mistress Mine" *Roger Quilter* (1)
"The Ladies of St. James's" *Frederic H. Cowen* (5)
"Go Not, Happy Day" *Frank Bridge*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Local News.
- 10.10 approx.—"LE COQ D'OR," Act III. *S.B. from London.*
Announcer: Victor Smythe.
- ## NEWCASTLE.
- 3.45-4.15.—Concert: Margaret Smith (Solo Pianoforte, Phyllis Rickard (Contralto), Martin Henderson (Solo Concertina).
- 4.45-5.15.—WOMEN'S HALF-HOUR: Miss Jowitt on "The Enjoyment of Poetry."
- 5.15-6.0.—CHILDREN'S CORNER.
- 6.0-6.30.—Scholars' Half-Hour.
- 6.35-6.50.—Farmers' Corner: Mr. R. W. Wheldon: "Artificial Manures" (III.).
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Dr. F. W. CROSSLEY-HOLLAND. *S.B. from London.*
Local News.
- 7.30-8.0.—Interval.

- ## An Hour of Edward German.
- 8.0. THE STATION ORCHESTRA.
Conductor, WILLIAM A. CROSSE.
Melodies from "Tom Jones" *German*
SYBIL MADEN (Contralto).
"Be Well Assured."
"Moorish Lullaby."
"Restless River."
GEORGE HODGSON (Tenor).
"Charming Chloe."
"It Was a Lover and his Lass."
Orchestra.
"Valse Gracieuse" *German* (11)
Sybil Maden.
"Katherine Unkund."
"Sea Lullaby."
"Court Favour."
George Hodgson.
"To Phyllis."
"The English Rose."
Orchestra.
"The Gipsy Suite" *German* (11)
- 9.15.—Lord BALFOUR. *S.B. from London.*
- 9.35. Orchestra.
Selection, "Merrie England" *German*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Local News.
- 10.10 approx.—"LE COQ D'OR," Act III. *S.B. from London.*
Announcer: W. M. Shewen.

ABERDEEN.

- 3.30-5.0.—Concert: Scots Afternoon. The Wireless Quartette. Feminine Topics. Christian Dickie (Soprano).
- 5.45-6.30.—CHILDREN'S CORNER: Sunshine Corner for Young and Old Kiddies. "Kidnapped."
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
J. M. McHUTCHISON. *S.B. from Glasgow.*
Local News.
- 7.30-8.30.—Interval.
- ## Popular Night.
- JOHN HENRY (Entertainer).
THE WIRELESS ORCHESTRA.
- 8.30. Orchestra.
"A Musical Switch" *Alford*

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.

"The Radio Times," the official organ of the British Broadcasting Company, Ltd., is concerned solely with broadcasting programmes and the technical problems relating to their transmission.

"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.

- 8.45.—John Henry will Entertain.
8.55. Orchestra.
"Joy Ride Lady" *Gilbert*
- 9.15.—Lord BALFOUR. *S.B. from London.*
- 9.35.—John Henry will Entertain.
Orchestra.
"Tails Up" *Braham*
John Henry will Entertain.
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Local News.
- 10.10 (approx.)—"LE COQ D'OR," Act III. *S.B. from London.*
Announcer: W. D. Simpson.

GLASGOW.

- 3.30-4.30.—Popular Afternoon: The Wireless Quartette and James Cottingham (Bass-Baritone).
- 4.45-5.15.—TOPICS FOR WOMEN: Domestic Science Chats.
- 5.15-6.0.—CHILDREN'S CORNER.
- 6.0-6.5.—Weather Forecast for Farmers.
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
J. P. McHUTCHISON, M.A., B.Sc. (Glasgow), on "Radio's Place in Nature." *S.B. to Aberdeen.*
Local News.
- 7.30-8.0.—Interval.

Light Orchestra and Song.

- ROBERT WATSON (Baritone).
NAN CAMPBELL (Contralto).
THE STATION ORCHESTRA.
Conducted by ISAAC LOSOWSKY.
- 8.15. Orchestra.
Selection, "Recollections of Gounod" *arr. Godfrey*
- 8.25. Nan Campbell.
"My Thoughts"
"If You Were the Op'ning Rose" *T. J. Hewitt*
- 8.35. Orchestra.
Suite, "Mélodique" *Friml*
- 8.45. Robert Watson.
"Barncombe Fair" *Kennedy Russell* (1)
"Maiden of Morven" *Lawson*
- 8.55. Orchestra.
Ballet Music, "William Tell" *Bossini*
- 9.5. Nan Campbell.
"Far Across the Desert Sands"
"Where the Abana Flows" *A. Woodforde-Finden* (1)
- 9.15.—Lord BALFOUR. *S.B. from London.*
- 9.35. Robert Watson.
"The Wee Cooper o' Fyfe"
"Jeanie's Black E'e" *Traditional*
(By Request)
- 9.45. Orchestra.
Entr'acte "A Fanciful Vision" *Rubinstein*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Local News.
- 10.10 (approx.)—"LE COQ D'OR," Act III. *S.B. from London.*
H. J. HALL'S DANCE BAND, relayed from the Gleneagles Hotel.
- 12.0.—Close down.
Announcer: Richard B. Alexander.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 55.

WIRELESS PROGRAMME—SATURDAY (July 12th.)

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

LONDON.

- 3.0-5.0.—Time Signal from Greenwich.
EMPIRE CHOIR CONCERT.
Relayed from the Stadium, Wembley.
- 5.0-5.20.—"How I Trained for Games," by Eustace Miles, M.A. "A Garden Chat," by Marion Cran, F.R.H.S.
- 6.0-6.47.—CHILDREN'S CORNER. Auntie Sophie at the Piano. "A Long-bow Story," adapted by Andrew Lang from "The Olive Fairy Book."
Mr. E. le Breton Martin on "Legend-land." Children's News.
- 7.0.—TIME SIGNAL FROM BIG BEN. 1ST GENERAL NEWS BULLETIN and WEATHER FORECAST. *S.B. to all Stations.*
Mr. E. J. LINNEY on "The Game of Bowls." *S.B. to other Stations.*
Local News.
- 7.30-8.0.—Interval.
- 8.0. **Popular Concert.**
BRYN GWYN (Baritone).
HAMILTON HURST (Entertainer).
THE WIRELESS ORCHESTRA.
Conducted by S. KNEALE KELLEY.
March, "Father Victory" *Gounod*
Overture, "Maritana" *Wallace*
Baritone Songs (with Orchestra).
"The Bachelor Ship" *Jacobs*
"The Rover" *Barker*
Hamilton Hurst
will Chat and Chant.
Orchestra.
Suite, "Feramors" *Robinson*
(a) "Torchlight Dance"; (b) "Dance of the Bayaderes."
Selection of W. H. Squire's Popular Songs
arr. Baynes (1)
Baritone Songs (with Orchestra).
"Song of the Lighthouse Bell" .. *Petrie*
"The Homeland Hills" *Sanderson* (1)
Further Entertaining by Hamilton Hurst.
Orchestra.
Intermezzo, Fox-Trot, "Maggie!" "Yes, Ma!" *Tucker* (7)
Selection, "Faust" *Gounod*
- 8.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. to all Stations.*
- 10.0.—TIME SIGNAL FROM GREENWICH. 2ND GENERAL NEWS BULLETIN and WEATHER FORECAST. *S.B. to all Stations.*
Mr. GORDON LOWE on "Essentials for Lawn Tennis." *S.B. to all Stations.*
Local News.
- 10.30.—THE SAVOY ORPHEANS and SAVOY HAVANA BANDS and SELMA FOUR, relayed from the Savoy Hotel, London. *S.B. to all Stations except Bournemouth.*
- 12.0.—Close down.
Announcer: J. G. Broadbent.

BIRMINGHAM.

- 3.30-4.30.—Children's Concert, by the Children.
- 5.0-5.30.—WOMEN'S CORNER: Nora M. Barnett, B.A., on "The Canton River—Modern Piracy."
- 5.30-5.35.—Agricultural Weather Forecast.
- 5.35-6.30.—CHILDREN'S CORNER: Auntie Phil and an Adventure of "Snooky."
- 6.30-6.45.—Teens' Corner.
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Local News.
Mr. HENRY GRINDALL of the Birmingham Philatelic Society on "Philately as a Hobby."
- 7.30-8.0.—Interval.
- 8.0. **Popular Night.**
THE STATION ORCHESTRA.
March, "Viscount Nelson" *Zella*
Waltz, "Madame Pompadour" *Fall*
Selection, "To-Night's the Night" *Roberts*
- 8.30. JACK VENABLES (Songs at the Piano).
"The Adventurer" *Wilcock* (13)
"Political Meetings" *Wilcock* (13)
"If Life Were a Play" *Grey* (13)

- 8.45. Orchestra.
Fifteen Minutes of Popular Fox-Trots.
"Valse Lente" and "March Russe"
(from "Ballet Russe") *Luigini*
Waltz, "Très Jolie" *Waldteufel*
Selection, "Rats" *Braham*
- 9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Mr. GORDON LOWE. *S.B. from London.*
Local News.
- 10.30.—THE SAVOY BANDS. *S.B. from London.*
- 12.0.—Close down.

Announcer: A. Pelham.

BOURNEMOUTH.

- 3.45-5.15.—Ethel Rowland (Solo Pianoforte).
THE ROYAL BATH HOTEL DANCE ORCHESTRA, relayed from King's Hall Rooms. (Musical Director, DAVID S. LIFF.) Talks to Women. Miss Doulton Edwards on "Careers for Women."
- 5.15-6.15.—CHILDREN'S CORNER.
6.15-6.45.—Scholars' Half-Hour: W. Troath, "A Holiday in North Wales."
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Capt. RICHARD TWELVETREES on "Motoring."
Local News.
- 7.30-8.30.—Interval.
- 8.30. **"Late Medley Night."**
THE WIRELESS ORCHESTRA.
Conductor, Capt. W. A. FEATHERSTONE.
Selection, "The Geisha" *Jones*
- 8.40. CHARLES PENROSE (Entertainer).
In Laughteritis, Gramophone Successes Old and New.
"The Laughing Family" *Charles Penrose*
"Le Fou Rire" *Grey*
- 8.50. KENNETH ELLIS (Bass).
Songs, Selected.
- 9.0. Orchestra.
"In a Monastery Garden" .. *Ketelbey* (8)
- 9.10. BEATRICE EVELINE.
(Solo Violoncello).
"Sonata" *Eccles-Salmon*
"Les Chérubins" *Couperini-Salmon*
- 9.25. MARJORIE BRAN (Contralto).
"Percy's Posh Plus-Fours are Priceless"
Weston and Lee (7)
- 9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Mr. GORDON LOWE. *S.B. from London.*
Local News.
- 10.30. REGINALD RENISON (Age 16 years)
(Solo Pianoforte).
1st Movement of Concerto, Op 54 *Schumann*
(With Orchestral Accompaniment).
- 10.45. Charles Penrose.
"Life in the Old Dog Yet" *Grey*
"Felix Keeps on Laughing" *Grey*
- 10.55. Reginald Renison.
Impromptu, Op. 90 *Schubert* (5)
- 11.0. Kenneth Ellis (Bass).
Songs, Selected.
- 11.10. Beatrice Eveline.
"Old Irish Air" } *arr. O'Connor*
"Snowy Breasted Pearl" } *Morris*
"Remembrance" *Whitehouse*
"Gavotte" *Popper*
- 11.20. Marjorie Bran.
"Shall I Have It Bobbed or Shingled?"
Weston and Lee (7)
- 11.25. Orchestra.
Overture, "Semiramide" *Rossini*
- 11.30.—Close down.
Announcer: John H. Raymond.

CARDIFF.

- 3.0-4.0.—Falkman and his Orchestra, relayed from the Capitol Cinema.
- 5.0-5.45.—"5WA'S" "FIVE O'CLOCKS":
Vocal and Instrumental Artistes. Violet Gertrude Lewis (Mezzo-Contralto). Talks to Women.
- 5.45-6.30.—CHILDREN'S CORNER.
6.30-6.45.—"Hints on Golf."

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

- 7.15.—WILLIE C. CLISSITT on "Sport of the Week."

- 7.30-8.0.—Interval.

Popular Night.

- ALBERT SAMMONS (Solo Violin).
SYBIL MADEN (Contralto).
THE STATION ORCHESTRA.
Orchestra.
- 8.0. "Marche Militaire" *Gounod*
"In a Nutshell" *Grainiger*
- 8.15. Songs.
"Eleanore" *Coleridge-Taylor* (11)
"A Song of Thanksgiving"
Frances Allitsen (1)
"Triste est le steppe" *Grechaninov*
- 8.25. Violin Soli:
"Hymn to the Sun" .. *Korsakov-Kreisler*
"Rondo in G" *Mozart-Kreisler*
"Rosamunde" *Schubert-Bruxel*
- 8.45.—Capt. H. MORREY SALMON, M.C.,
"Wild Birds of Wales and the West Country—(2) The Curlew Crow."
Orchestra.
- 8.55. "The Lilac Domino" *Cuvillier* (6)
"Three Dale Dances" *Wood*
- 9.10. Songs.
"Dear Heart" *Tito Mattei*
"Invictus" *Bruno Hahn*
"Chanson Hindoue" .. *Rimsky-Korsakov*
- 9.20. Violin Soli:
"Introduction, Tema and Danco Hongroise"
..... *Sammons*
"Serenade" *Arensky*
- 9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*
- 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Mr. GORDON LOWE. *S.B. from London.*
Local News.
- 10.30.—THE SAVOY BANDS. *S.B. from London.*
- 12.0.—Close down.
Announcer: A. H. Goddard.

MANCHESTER.

- 3.0-4.0 (approx.)
CEREMONY OF UNVEILING THE
Manchester War Memorial.
by
The Rt. Hon. THE EARL OF DERBY,
K.G., P.C., G.C.B., G.C.V.O.
- 4.0-5.0.—BESSES O' TH' BARN BAND,
relayed from New Municipal Gardens,
Southport.
- 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
Mr. E. J. LINNEY. *S.B. from London.*
Local News.
- 7.30-7.45.—Interval.
- 7.45. **Dance Night.**
MASSEY'S DANCE BAND.
Fox-trot, "Before You Go" (7); Fox-trot, "Aready" (7); Waltz, "When Love Dies" (19); Fox-trot, Selected; One-step, "Wembling at Wembley with You" (6); Fox-trot, "Trot Along."
RACHEL HUNT (Contralto).
"The Silver Ring" *Chaminade* (5)
"A Fairy Went A-Marketing" *Goodheart* (1)
Dance Band.
Waltz, "When Lights Are Low" (7); Fox-trot, "A Limehouse Night" (7); Fox-trot, "Not Here, Not There" (6); One-step, "A Smile Goes a Long, Long Way" (6); Waltz, Selected; Fox-trot, "I'm Going South" (6).
Rachel Hunt.
"O Can Ye Sew Cushions?" (Old Scotch)
Kennedy-Fraser
"Dream Butterflies" *George Oldham*
Dance Band.
Fox-trot, "Tweet Tweet" (7); One-step, "Sammy" (23); Fox-trot, "Here He Is Again"; Waltz, "Shadows of Memory" (7); Fox-trot, "Horsey, Keep Your Tail Up" (6).

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WIRELESS PROGRAMME—SATURDAY (Continued from the facing page.)

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

- 9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Mr. GORDON LOWE. *S.B. from London.*
 Local News.
 10.30.—THE SAVOY BANDS. *S.B. from London.*
 12.0.—Close down.
 Announcer: H. B. Brennan.

NEWCASTLE.

- 3.45-4.45.—Concert: The Station Light Orchestra.
 4.45-5.15.—WOMEN'S HALF HOUR: Amy Watson, Musical and Dramatic Recital.
 5.15-6.0.—CHILDREN'S CORNER: Songs and Stories. Talk by Mr. John Wyatt.
 6.0-6.30.—Scholars' Half-Hour.
 6.35-6.50.—Farmers' Corner. Mr. H. C. Pawson. "Aberdeen Angus Cattle."
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Mr. E. J. LINNEY. *S.B. from London.*
 Local News.
 7.30-8.0.—Interval.

Miscellaneous Evening.

- 8.0. THE STATION ORCHESTRA.
 Conductor, WILLIAM A. CROSSE.
 "Marche Militaire" Schubert
 Valse Lento, "Elysian Hours" Fucik
 ELSIE COCHRANE (Soprano).
 "Grande Valse" Penzance
 Orchestra.
 Selection, "Manon" Massenet-Tavan
 Elsie Cochrane.
 "The Lass With the Delicate Air" Arne
 "Down in the Forest" Ronald (5)
 "Silver Lamps" Phillips
 Orchestra.
 Suite, "Gabrielle" Rosse
 JOHN HENRY (Entertainer).
 Orchestra.
 Menuet Moszkowski
 Serenade Widor
 John Henry.

- 9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Mr. GORDON LOWE. *S.B. from London.*
 Local News.
 10.30.—THE SAVOY BANDS. *S.B. from London.*
 12.0.—Close down.
 Announcer: W. M. Shewen.

ABERDEEN.

- 3.30-5.0.—Afternoon Concert by the Wireless Quartette and Toxie Reynard (Mezzo-Soprano). Feminine Topics.
 5.0-6.0.—CHILDREN'S CORNER. *S.B. from Edinburgh.*
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Local News.
 MR. M. MORGAN on "Summer Photography for Amateurs."
 7.30-8.0.—Interval.
 8.0.—This Week's Interesting Anniversary: "PULTOWA—8th July, 1709." (Described by Prof. Creasy as one of the "Fifteen Decisive Battles of the World.")
Popular Night.
 MAY McLEAN (Contralto).
 A. M. SHINNIE (Elocutionist).
 THE WIRELESS ORCHESTRA.
 8.30. Orchestra.
 "Suite Fantastique" Foulds
 May McLean
 "Sylvain" Sinding
 "Sing! Break into Song" Phillips
 Orchestra.
 8.55. Symphony No. 3 in A Minor ("The Scotch") Mendelssohn
 May McLean.
 9.20. "He of all True Men the Noblest" Schumann

- 9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Mr. GORDON LOWE. *S.B. from London.*
 Local News.
 10.30. Orchestra.
 Overture, "Oliver Cromwell" ... Lamotte
 May McLean.
 10.40. "Break, Break, Break" Walthew (1)
 "The Silver Ring" Chaminade (5)
 10.50.—THE SAVOY BANDS. *S.B. from London.*
 12.0.—Close down.
 Announcer: H. J. McKee.

GLASGOW.

- 3.30-4.30.—The Wireless Quartette and Crue Davidson (Contralto).
 4.30-5.0.—TOPICS FOR WOMEN: Miscellaneous Afternoon.
 5.0-6.0.—CHILDREN'S CORNER: *S.B. from Edinburgh.*
 6.0-6.5.—Weather Forecast for Farmers.
 7.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 ANDREW McQUEEN on "Record Photography."
 Talk by Radio Society of Glasgow.
 Local News.
 7.25-8.0.—Interval.

Special Dance Night.

- THE STATION ORCHESTRA.
 Conducted by ISAAC LOSOWSKY.
 DANIEL SEYMOUR (Vocalist).

- 8.0. Orchestra.
 Fox-trot, "Maybe She'll Write Me" (6);
 Fox-trot, "Oh! Sister, Ain't That Hot!" (6); Waltz, "Dreamy Melody" (7); Fox-trot, "Pasadena" (9); One-step, "Wembley at Wembley with You" (6).
 8.25. J. H. N. CRAIGAN (Entertainer).
 "A Little Garden" ... L. Hannay (13)
 "I Love Someone in Zimmerzet" Bert Lee (7)
 "I Might" A. W. Parry (13)
 8.40. Orchestra.
 Fox-trot, "Dance Time is Love Time" (7);
 Blues, "The Old Cat's Whiskers"; One-step, "I'm Wild About Wild Men" (6);
 Fox-trot, "Tweet Tweet" (7); Fox-trot, "Why did I Kiss that Girl?";
 Eightsome Reel—"58C'S" Special;
 Waltz, "A Kiss in the Dark"; Fox-trot, "I Love You" (7); Tango, "O Sole Mio"; Fox-trot, "Horsey, Keep Your Tail Up" (6); One-step, "The Oom-pah Trot"; Fox-trot, "Aready" (7).
 9.30.—HALF-AN-HOUR OF WEMBLEY. *S.B. from London.*
 10.0.—NEWS and WEATHER FORECAST. *S.B. from London.*
 Mr. GORDON LOWE. *S.B. from London.*
 Local News.
 10.30.—THE SAVOY BANDS. *S.B. from London.*
 12.0.—Close down.
 Announcer: Richard B. Alexander.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 55.

The Curative Power of Music.

Radio, Rhythm and Good Health.

"WHERE there is music," wrote Cervantes, "there is little that is bad." Quoting this dictum recently, a well-known composer advocated music as a cure for various social evils.

But while there seems to be no ground for crediting music with possessing such far-reaching powers, there is little doubt that it has an influence of much greater potency than most of us realize. There are many musicians who affirm that music has a direct effect on the well-being of its hearers.

Kreisler, the famous violinist, said not long ago that he personally knew several people who had been completely cured of acute nervous trouble by music, while only the other day Dame Clara Butt publicly expressed her belief in the curative virtues of certain songs.

With this in mind, it is interesting to discover that broadcast music has contributed its share to this work of healing. A Harley Street physician has given the writer details of a number of cases in which radio music has been beneficial. One of these concerns a woman who for months had suffered from a subtle form of nerve trouble, which refused to yield to ordinary methods of treatment. She had shown no interest whatever in music until a short time ago, while spending a holiday in the country, she listened to one of the special concerts broadcast from the Central Hall, Westminster. At once there was awakened within her a latent liking for music that has since, declares this doctor, played the principal part in an almost amazingly rapid cure.

Another sufferer from a different type of nerve affliction has likewise benefited enormously, while it is to be noted that by no means all those who owe in some measure their return to health have been patients of this type. Some purely physical ailments are capable of being relieved by the same means, for the simple reason that in finding an interest in music the patient often gives up worrying about his or her

symptoms, and by so doing aids recovery instead of retarding it.

Perhaps the most striking testimony that has been paid in recent months to the curative force in music is that of Dr. Agnes Savill, the eminent Scottish physician, who, in a newly-published book, declares that music, in which formerly she had not the slightest interest—indeed, at one time she actually disliked it—changed her entire outlook.

"The physical benefits of music," she writes, "are exactly similar to those produced by electrical currents of many types when applied medicinally to the human body," and may be "prescribed by the conscientious physician just as can be any other health-producing agent, such as golf or bathing."

Music as a potential cure for mental ills has been resorted to extensively in some countries, notably the United States. In New York recently a number of musicians co-operated in a series of experiments in nursing homes for nerve sufferers. The effect of certain compositions, played by a specially selected orchestra, was to calm even the worst cases, the benefit in some instances proving lasting. Incidentally, the soothing magic of music was perhaps never demonstrated more forcibly than when David played to Saul, as recorded in the old Bible story.

Apart from its therapeutic significance, music has a decided value as a corrective of that emotional starvation which some regard as the disease of the age. We seek happiness to-day in things material, and become the more dissatisfied in doing so. Music provides us with an outlet for our suppressed emotions, and it is pleasant to know that radio, with its world-wide ramifications, is doing so much to minister to our needs in this connection.

OUT of a fleet of six motor-boats at a fashionable watering place two of them had a twin aerial and a loud speaker.

Your Receiver is here



Marconiphone Baby Crystal.
A compact and efficient crystal receiver at a really moderate price. Instrument alone.
£1 7s. 6d.



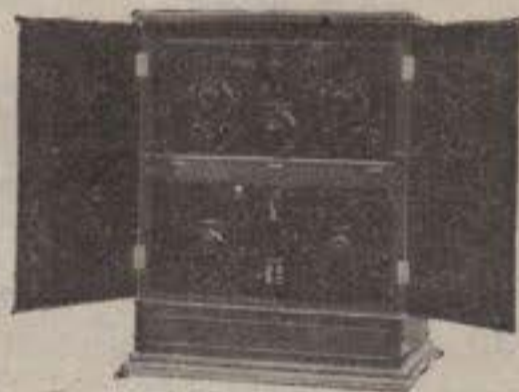
Marconiphone V 2 — The Receiver Supreme.
The most popular Marconiphone for the reception of broadcasting. An extremely sensitive and efficient two-valve receiver.
Price, complete with all accessories, **£19 4s. 6d.**



Marconiphone Two-Stage Voice Amplifier.
A two-valve amplifier, unrivalled for purity of tone and fidelity of reproduction.
Price, complete, **£20 10s. 0d.**



Marconiphone V 3 (Standard).
For direct attachment to Loud Speaker. A really efficient three-valve receiver, capable of giving considerable volume combined with tonal purity.
Price, complete, **£36 12s. 6d.**



Marconiphone R.P.4.
For direct attachment to Loud Speaker. This model consists of a highly selective long-range, two-valve Receiver, and a two-power amplifier, giving very great volume, together with absolute purity of tone.
Price, complete **£75.**



Marconiphone V 3 de Luxe.
This model is the Marconiphone V 3 receiver, fitted in a handsome cabinet with self-contained Loud Speaker, batteries, accumulator, etc.
Price, complete .. **£80.**



Marconiphone Multi-Valve.
A very efficient and sensitive six-valve Receiver, designed solely for the reception of British Broadcasting. This model may be used with an ordinary aerial or with the Marconiphone Frame Aerial Table.
Price, complete, **£68 17s. 6d.**
Frame Aerial Table, complete, **£10 10s. 0d.**

In the Marconiphone range of broadcasting receivers illustrated in this page there is a model for every purse. Every home in the land is specially provided for.

Each of these receivers is a signed masterpiece, the work of the best brains in Wireless. Every model bears the famous signature "G. Marconi" to show that it embodies everything for which this great name stands.

The Marconiphone V 2—the Receiver Supreme—alone, or complete with loud-speaking equipment in the Marconiphone Ideal Home Combination, is the subject of the special Marconiphone Hire Purchase offer, which also applies to the Marconiphone Two-Stage Voice Amplifier. Under the terms of this scheme, you can get the V 2 complete and ready for immediate use for £3 down. Post the coupon below and full particulars will be sent to you.

The Marconiphone

The Triumph of the Master Mind

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to your local Distributor or Marconiphone Branch.

Please send me a free copy of the book, "The Marconiphone Makes It Easy," containing Hire Purchase Application Form.

Name.....
Address.....
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Pieces in the Programmes.

A Weekly Feature Conducted by Percy A. Scholes.

VAUGHAN WILLIAMS' FIVE MYSTICAL SONGS.

RALPH VAUGHAN WILLIAMS was born in Gloucestershire, in 1872. He has made a great study of English folk-song, by which his music is a good deal influenced.

These five songs are settings of words by the seventeenth-century mystical poet, George Herbert, made by Vaughan Williams some years before the war, and the music is not "ultra-modern." The greater difficulty is presented, of grasping the mystical import. Herbert's are, indeed, poems which one should know beforehand. Perhaps the most characteristic feature of this Christian mystic is the combination of a strong personal element with symbolism.

I. Easter.

The first poem affords a good example. It begins:—

Rise, heart, thy Lord is risen,
Sing his praise, Without delays
Who takes thee by the hand. . . .

The second stanza begins:—

Awake my lute, and struggle for thy part
With all thy art.
The cross taught all wood to resound his name.

II. I got me flowers.

This begins:—

I got me flowers to strew thy way;
I got me boughs off many a tree;
But thou wast up by break of day,
And brought'st thy sweets along with thee.

III. Love bade me welcome.

This begins:—

Love bade me welcome; yet my soul drew back
Guilty of dust and sin,
and treats of the Holy Sacrament.

IV. The Call.

The first stanza is:—

Come, my Way, my Truth, my Life:
Such a Way, as gives us breath;
Such a Truth, as ends all strife:
Such a Life, as killeth death.

V. Antiphon.

This poem is to be found in most modern hymn-books. Its first line is:—

Let all the world in every corner sing.
It is a sweeping, joyous song of praise.
The composer has founded his accompaniment on musical figures suggestive of pealing bells.

The "Five Mystical Songs" are to be broadcast from Glasgow on Wednesday. They are published in one album by Stainer and Bell (5s.).

STRAUSS'S

"DEATH AND TRANSFIGURATION."

(*Tod und Verklärung.*)

RICHARD STRAUSS (b. 1864) has long been generally regarded as the foremost German composer since Wagner. He has written many operas, some of which have achieved fame; but his most characteristic work lies in his *Symphonic Poems*, large-scale works for full orchestra based on subjects of a literary character.

Death and Transfiguration is one of the best known of these; it was completed in 1889, and when published in 1891 the score was prefaced by a poem by Alexander Ritter. This was, however, as a matter of fact, written after the music, and is somewhat in the nature of a commentary, Strauss having composed the work on his own imaginative basis.

Though *Death and Transfiguration* is a continuous work, it consists of four more or less definite sections, to which the sections of the poem correspond.

I. *Slow.*—The sick man lies in his bed and dreams of "childhood's golden day."

II. *Quick, with great agitation.*—A fierce, delirious fight with Death. Once again there follows stillness, and in—

III. (*Slower*—a lengthy section) the dying man reviews, as in a trance, all his past life. At length, there comes a briefer, fiercer struggle, in which Death strikes his final blow.

IV. (*At a moderate speed, and Tranquil.*) The stillness of death is succeeded by the Transfiguration.

(*Death and Transfiguration* is to be broadcast from the Cardiff Station, on Sunday, July 6th.)

BRAHMS' THIRD SONATA FOR VIOLIN AND PIANO.

This is the last of Brahms' Violin Sonatas. It was written in 1889, that is in the later years of his life, and is a mature, thoughtful work, with little suggestion of display.

There are four separate Movements:—

I.

Quick.—This is the usual First-Movement Form, i.e., certain Tunes are stated, developed and "recapitulated." There are here TWO MAIN TUNES, the First given out by Violin, the SECOND as PIANO SOLO. Note these when they appear and the Movement will become clear.

II.

Slow. This is a short, lyrical Movement, which speaks for itself.

III.

Rather Quick, and with Feeling. This is in the three-fold form.

The PRINCIPAL SECTION is light and delicate—at all events for Brahms!

The MIDDLE SECTION is more forceful, and opens with loud chords in both instruments.

After the Middle Section the PRINCIPAL SECTION is repeated, somewhat extended.

IV.

Rapid and Agitated.—The last Movement is in Rondo Form, i.e., there are several sections, and the main one (with which the piece opens) is repeated after each.

(Brahms' 3rd Violin Sonata is to be broadcast from the Glasgow Station on Wednesday, July 9th.)

BRIDGE'S PHANTASIE TRIO.

FRANK BRIDGE was born at Brighton in 1879. His music is of the present day, but is not revolutionary or "futuristic." He excels in chamber music, of which this Trio for Piano, Violin, and Cello (written 1908) is a happy example.

It may, perhaps, be best enjoyed, given some such idea of it as follows:—

It is in one continuous piece (i.e., one "Movement"), and is in three-fold form, but with the Middle Section, in proportion, a very short one.

At the opening the reiteration of a short, forceful figure should be noticed. It is a sort of "Motto."

The PRINCIPAL SECTION really consists of several sub-sections, each having a clearly-defined Tune, started sometimes by Violin or Cello, with Piano, sometimes by Piano alone. The "Motto" recurs from time to time.

The MIDDLE SECTION (*Quick and Playful*) contrasts with the chief material, while maintaining the general spirit. It begins and ends with a good deal of *pizzicato* (plucked) playing for Strings.

The rest of the Phantasie consists of repetition (generally in developed form) of the Tunes which constituted the first part.

(Bridge's Phantasie Trio is to be broadcast from the Cardiff Station on Monday, July 7th.)

Not a Moneyless Old Age for ME



I've just completed arrangements whereby I shall receive

£3,450 at age 55, and my life is also insured for £2,500.

£3,450 at 55. Think of it, you men who imagine you cannot save! And, mind you, I haven't a large income. The margin between income and necessary expenditure is probably no greater than, if as great as, yours. But, there is a margin, and it is out of it that, thanks to the Sun of Canada Investment-Insurance Plan, I am making such sure financial provision for my later years and securing, also, immediate protection for my dependants.

And it's all so simple!

I make my first deposit—an amount I can easily spare out of my income. Immediately my life is insured for £2,500, plus half of that deposit. I continue the deposits and each year finds me a richer man and my family better provided for—one-half of every deposit being added to the amount of the policy.

And at 55 years of age I shall receive a cheque from the Sun of Canada for £3,450, made up of the Policy sum of £2,500 and estimated profits of £950; or, if I then prefer, a guaranteed income for life of nearly £300.

Then there's the yearly saving of Income Tax to be remembered, for on this investment the Government allows rebate, making the transaction a still more profitable one. I estimate I shall save well over £100 on Income Tax alone during the run of this policy.

But that's not the whole story. If through illness or accident I become permanently unable to follow any gainful occupation, the Company pays my deposits for me and gives me £25 a month until the Capital sum becomes due!

This plan of Investment-Insurance can be adopted at any age and for any amount.

The Sun of Canada, the great Annuity Company, which makes this opportunity for you, has assets of over £12,000,000 under strict Government supervision.

Why not fill in the enquiry form and post it to-day, so that we can send you, without obligation on your part, full details and specific figures?

To J. F. JUNKIN (Manager), SUN LIFE ASSURANCE CO. OF CANADA.

95, Canada House, Norfolk Street, London, W.C.2.

Assuming I can save and deposit £..... per please send me—without obligation on my part—full particulars of your investment plan—showing

1. What income or cash sum I shall receive in years (15, 20, 25, 30, as you desire).
2. What sum will be automatically provided for my family in the event of my death.
3. How much income tax I shall save each year.
4. In the event of total disability, how much shall I draw monthly.

Exact date of birth

Married or about to be

Occupation

Name

Address

The Diamond and its Wonders.

A Talk from London, by Sir William H. Bragg, F.R.S., D.Sc.



Sir WILLIAM H. BRAGG.

WHEN the effects of heat motion quite overpower the forces of mutual attraction between the molecules, the latter may have an independent existence and form a gas, and when the forces have gained somewhat the upper hand, the molecules may cling together and still retain a considerable freedom of motion; the substance is then a liquid. We have now to consider a final stage in which the molecules are so locked together that no molecule can move from its position. Every molecule is tied to the next at more than one point, so that the whole structure is rigid or solid—fastened together as the various parts of a bridge are rivetted together into a firm whole.

Substance and Temperature.

Molecules differ very much from one another in their form and in the strength of the ties by which they are connected with each other, and, in consequence, the temperature at which the balance between heat movements and attractive forces occurs varies also. Some substances are solid up to a very high temperature, indeed, such as the diamond or tungsten, which means that their mutual forces are very strong. Some are barely able to hold together at ordinary temperatures, like butter or soft wax; some do not solidify until the temperature has been lowered greatly, such as carbon dioxide, still more oxygen or hydrogen. In other words, the melting points of various substances differ very widely from one another.

Nature's Patterns.

When a substance solidifies, the molecules always try to arrange themselves according to a pattern and, in general, a very simple pattern. They may sometimes lie for a time in a higgledy-piggledy way, tied together so strongly that the substance behaves more or less like a solid, as is the case in glass. But even then we find that, as time goes on, they try to creep into their places in a regular scheme. When a solid grows quietly from a solution or from its molten form so that sufficient time and opportunity are given to grow by the addition of molecule to molecule in the way that Nature would have it, the result is at once a perfectly regular structure. The ordered array of the molecule manifests itself in a certain regularity of the outer form of the substance; we have what we call a crystal.

The First Structures.

Two or three or four of the molecules, rarely six or eight, are so put together as to form a unit of pattern. The whole solid body is formed by the repetition of this pattern over and over again, and however large it grows to be, its form shows the shape of the single unit of pattern that began it. That is why the crystal is so interesting. It is bounded by a number of plane faces, often highly polished in appearance, so that the crystal has a certain charm, due partly to glitter and sparkle, partly to perfect regularity of outline.

We feel that some mystery and beauty must underlie the characteristics that please us, and, indeed, that is the case. Nature is telling us how she arranges the molecules when given full opportunity. There are but two or three in her unit of pattern, and when the unit is complete it contains every property of the whole crystal, because there is nothing to follow but the repetition of the first design. Through the

crystal, therefore, we look down into the first structures of Nature; though our eyes cannot read what is there without the use of the X-rays.

Is every solid body a crystal, therefore? The answer is that it tries to be, and is, in general, far more successful than usually appears.

Crystal Marvels.

The most powerful microscope is incapable of helping us to see into the structure of a crystal; the elements of the pattern are ten thousand times smaller than the microscope can reach. Nor is there the slightest chance that sufficient improvements in its construction will ever be made. This may be understood if we consider the way in which seeing is accomplished. When we say that we "see" something, a book or a table or a ball, the actual happenings have been:—

First, that some body sent out light—the sun it may have been, or an electric light or a candle; second, that the light waves have struck the object and have been turned aside into our eyes; third, that our eyes have received these waves and sent messages to the brain to announce the fact and to describe what they have received; and, lastly, that the brain has interpreted their messages, taking account of the way in which the original light waves have been modified by reflection or scattering from the object, and so, aided by long practice, understanding what the object must have been.

Now, a train of waves is practically unaffected by objects whose dimensions are smaller than the length of a wave. When the sea waves roll in upon the beach, we may be able to say that in one place they are far smaller than in another, and that the comparative calm must be due to some reef or rocks which have obstructed the waves and made a lee, and we might form an idea of the size of the reef. But it would be absurd to expect the stones upon the shore to modify the waves so that we could tell the shape or size of the stones. If, on the other hand, the sea is very still and a wind that scarcely breathes makes a tiny ripple on the surface, we may bend down and watch the



The Boy (at sea for first time): "What's the matter with this machine? I've stood here for two hours and it hasn't started broadcasting yet."

effect of a stone as it casts a shadow of the ripple just as the great rock did of the ocean swell.

If we match the waves of light with the greater waves of the sea, we may compare the tiny ripple to the X-rays. They are of the right wave-length for use in the examination of the molecules and atoms of the crystal.

The diamond is, perhaps, the most interesting of all the crystals in the world. It is the hardest mineral that we know; its brilliance makes it one of the most prized of all jewels. It is made of carbon alone, and is the simpler of the two forms in which the carbon atoms link themselves together. The other form is graphite.

The Hardest Mineral.

The X-rays now show us that it has a structure remarkable for its simplicity and beauty of design. To these we may add that it contains within itself the elements of the structure of most organic substances, those substances of which living organisms are built.

I can give a recipe for constructing a model which is very brief and yet is not so easy to carry out. It is this. Take a number of balls, each ball to represent a carbon atom, and fasten them together so that each ball has four and only four immediate neighbours regularly disposed about it in space. The four neighbours occupy the corners of a tetrahedron which has the first ball at its centre. Each of these four is similarly to have four neighbours, and so on. Proceeding in this way, it is possible to obtain two regular structures, one of which, obviously, may form a four-faced pyramid, and this is actually what diamonds do. The other structure makes a six-sided prism, and is not a diamond structure at all. Curiously enough, the arrangement gives one of the forms of ice. This description is hard to understand without help from a picture. Perhaps the best way is to see the model in the Chemical Section at the Wembley Exhibition.

Why Diamonds can be Split.

Every atom in the diamond is held tightly and symmetrically by four neighbours, and that is why it is so hard. If the diamond is made to press against some other substance, it is the atoms of the latter that must give way. Yet it can be split, and the diamond workers make use of the fact, for it may save them much labour of grinding. There is a certain layer-like arrangement in the diamond, and the line of cleavage follows the layer. If we supposed this cleavage to be carried out to extremes we should arrive at sheets, one atom thick. Looking down on such a layer from above, the atoms would appear to be arranged in hexagons like the face of a honeycomb.

It is very strange that graphite or black lead practically consists of the same layers, but separated to a greater distance apart than in the diamond. The layers are now torn from one another very easily; that is why graphite splits so readily.

As I have said, when we look down from above on one of the layers into which diamond or graphite can be split, we observe a hexagonal, honeycomb arrangement. We observe everywhere rings containing six carbon atoms. It is a very wonderful thing that this ring of six carbon atoms is one of the most important of Nature's atomic arrangements: another is a certain linking of carbon atoms into a long chain, which is also to be seen in the diamond. The carbon ring and the carbon chain are the central figures of the two great divisions of organic chemistry—the chemistry that deals with the molecules that are found in living organisms, and also constitute the bases of dyes, explosives, and many other important material substances. It is very strange that both ring and chain should be foreshadowed in the diamond.

HAPPY MEMORY SOUNDS.

Thoughts on Broadcasting: By **GEORGE A. BIRMINGHAM**

(Author of "General John Regan," etc.).

OF the technical side of wireless and broadcasting I am totally ignorant; an idiot in the original Greek sense of that word, that is to say, a layman or outsider. I am not even an interested outsider. I do not want to understand, and when people try to explain the thing to me, I am badly bored. It is quite enough for me that men with minds far superior to mine are able to perform what seem to me to be miracles. I am content to take the good things offered to me without prying into the mechanism by which they are obtained.

A Beginner in Wireless.

Hitherto I have not been able to do even that. I have been living in places not yet reached by broadcasting, where even wireless messages are things only read about in newspapers. I have never once had a chance of listening. Now I am returning to England, and one of the things I want to do is to play with the new toy which science has provided. As soon as my home going was a fixed thing, I began to read with interest the columns in newspapers headed "Broadcasting. To-day's Programme." It meant nothing whatever to me that London was marked 365 metres, Bournemouth 385, and Sheffield a mere 303, but I began to think that it would be interesting to place two caps over my ears—I supposed that is how it is done—set my watch by a time signal from Greenwich, hear a Dorset Folk Song a few minutes later, then, without stirring from my chair, consider a weather forecast and after that improve my education by listening to a lecture on Canterbury Cathedral. Everyone else will long ago have been accustomed to these things. For me, a sort of Rip van Winkle, they will be startling novelties.

That was how the new invention struck me. It was a fascinating toy, with which I could play, as thousands of other people are playing, until I got tired of it, as I supposed the thousands of other people would get tired of it, when the novelty wore off.

In Praise of the Nightingale.

Then I read the paragraphs which appeared in the papers day after day about broadcasting the song of the nightingale. My imagination was stirred. Here, it seemed to me, were far-reaching possibilities. This was something quite different from the repetition, in a hundred different places, of the playing of an orchestra or the preaching of a sermon. Certain sounds have the power of awakening emotion, so intense that the very memory of them afterwards re-creates the emotion. The nightingale's song is one of these sounds. Keats' Ode is a splendid example of the emotions awakened. The mere memory of the notes of the bird's song made Keats feel again and again, until he had perfected his ode, all the wonderful things he felt while the bird was singing. If mere memory could make such emotions live again, how much more vividly intense would be their revival if the actual sounds which originally created them could come again?

The Broadcasting of Nature.

Yeats, dreaming about his Island of Inishfree, speaks about the lake water lapping with low sound on the shore, and says:

"When I stand on the roadway or on the pavement grey
I hear it in the deep heart's core."

That is to say, the memory of a sound once heard had power to take him back from the pavements and the streets, to that island of

his, where peace came dropping slow. But if he could hear, not the memory only, but with his actual ears, the lapping of that water, would he not have got all the emotion of the beloved island much more easily and completely?

We are none of us poets like Keats or Yeats—few of us are poets at all—but most of us cherish memories of emotions, sometimes very deep and tender, which are the very dearest things in our lives. These emotions are generally connected with either sounds or scents. If we could get the sounds back, or the scents, we should live again some of our most precious and delightful hours. For many people, no doubt, the songs of birds, perhaps especially of nightingales, have this power of awakening emotions, and the memory of them re-creates the precious past. But oftener perhaps it is a quite simple, even a prosaic sound that does it. The intermittent clacking of a reaping machine, with the occasional shout of the driver to his horses, takes me back, when I think of it, to one particular harvest field. I see again the red glow of a setting sun making the golden grain golder still. I see the stooks of reaped corn standing in ordered rows, and the long array of stalks yet untouched. I feel the stiff stubble under my feet. I am conscious of the presence of friends beside me, friends whom in all probability I shall see no more on earth. By an effort of imagination I can reproduce the sounds which awaken all these memories. But if I could actually hear the sounds—!

The Power of Imagination.

I shall cherish to the end of my life the memory of a night spent on the deck of a little steamer in the Gulf of Quarnero. In this case there was nothing, or almost nothing, except sound. The warm summer night was velvety black. Except some far off twinkling lights there was nothing to be seen. We hardly spoke to each other at all, only a word or two at long intervals. There was not even very much sound. The ship pushed her way slowly through a calm sea and we heard the steady wash of the water against her sides and the rushing noise of the foam in her wake. From the chart-room came faintly the tinkling of a guitar which either the captain or the mate played and occasionally their voices sounded a few phrases of some Italian song. The memory of these sounds, recaptured by an effort, brings back to me the whole emotion of that night, the fathomless peace of it, the complete passing away for a time of all turmoil, trouble and fret. Is it asking too much of the miracle workers of science that they should help us by recapturing lost sounds, to experience again such past happiness?

No doubt these memory sounds of mine are different from those of other people. The clacking of a reaping machine may waken no memories at all for someone else, and the wash of water against a steamer's side may only suggest a possibility of sea-sickness. But there must be hundreds of sounds, like the nightingale's song, for instance, which are the sure creators



Canon J. O. HANNAY, M.A.
(George A. Birmingham.)

of emotion in almost everybody's mind. And many of them it ought to be possible, even easy, to reproduce. Certain pieces of music, for instance, will awaken the emotions of memory, apart altogether from such emotions as the music itself would naturally create, if heard for the first time or without any special memories connected with it. A particular sonata of Beethoven's may recall a player, some friend who has passed out of our lives, or place where we first heard it. A military march, or a hymn sung by a great number of people, may bring us back to a time when we felt very deeply and intensely, may lift our lives out of the level of the commonplace up to peaks of almost forgotten emotion.

Reviving Old Emotions.

But for most of us I imagine these re-creating memory sounds are likely to be those of Nature, such as the noise of wind among trees; or the noises which water makes, rushing of mountain streams or the sounds of the sea from its thundering on rocks to its summer lispings or the strange sorrow of its washing at night. Bird sounds, too, are common parents of rich memories. Not only the songs of nightingales and the pipings of thrushes in summer gardens, but sounds which cannot be called songs, like the cawing of rooks around tall trees, or the calling of curlews over wide, desolate places.

I do not know what technical difficulties may lie in the way of capturing and broadcasting such sounds as these. Perhaps the thing could be done easily enough. Perhaps a great deal of it already has been done. But it ought to be done in an especial way, and here, I think, there is very great difficulty. The sounds must be chosen for their memory value and must be reproduced not only as wonders, or curiosities, or accompaniments of cinema displays, but with a special view to enabling the listener to experience again old emotions. Plainly such work requires not only the brain of a scientist but the soul of an artist as well. Nor is that all. Our artist-scientist might well fail to give us the sounds which would be of most value to us unless he were also a psychologist with a very profound knowledge of human nature. But if what I have suggested can be done, then broadcasting will become at once something more than a toy, something more than a means of instruction or an interest added to life. It will, I think, become the material for very great art.

A NEW scheme, evolved by the Educational Department in Australia, aims at giving students in the backwoods facilities for hearing by wireless lectures given in the Universities of the great cities.

This scheme should encourage settlement, and will give the students far from the towns the opportunity of graduating with University honours without ever stepping inside the University buildings.

THE Vicar of Leeds, at a recent conference at Bradford said: "If anyone in strong health thinks that by sitting at his fireside, placing receivers to his head and listening to a service he is discharging his duty of corporate worship, he imagines a vain thing."

He added, however, that he had no objection to broadcasting services, which were a great help and comfort to bedridden people.

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Grandpa's back

from an hour's recreation on the bowling green. He now sits comfortably in the armchair. Thoughtfully he contemplates the toe of his rubber-soled "green" shoes peeping from beneath the grey flannel, and the smoke lazily curls from his "best friend," the shining and well-seasoned briar. Why this profound pre-occupation? A problem easily solved—across his head is the dark, comfortable-looking headband of a "Brandes." His intense interest held by the wonderfully pure and voluminous notes of these famous Headphones, he spends much of his time listening to the delightful broadcast entertainment, unspoiled and reproduced most faithfully by the "Matched Tone" feature.

Matched Tone
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THE CHILDREN'S CORNER. CONDUCTED BY UNCLE CARACTACUS

A Talk on Achieving Success in Life.

HULLO, Children! This week I am publishing for you a talk on "Service," given by Mr. John Hayes Hammond at London a few weeks ago. Mr. Hammond is an American and a very distinguished man; an engineer known the world over, and one who has done big things with life. You should read his talk very carefully for his words have in the past influenced many big changes in the world.

Perhaps you have heard of the Jameson Raid, which happened years ago in South Africa? Mr. Hammond took a leading part in that raid; was arrested and sentenced to death, but his sentence was commuted to fifteen years imprisonment. Later he was released on the payment from America of 125,000.00 dollars! Years later he was sent as the special representative of President Taft to the coronation of King George V.

Now I am going to have a heart to heart talk with you, my young friends, on the subject of success, for on this subject I feel qualified to speak as the result of many years' experience in directing the work of many young men in many parts of the world. Then, too, success is a subject of vital interest to all young people starting on their career, for every boy and every girl worth their salt are ambitious to succeed in life. Success is the prize for which we all compete. Why should we not be just as willing to make the effort and the sacrifice required to succeed in the race of life, just as we do to win a prize in our athletic games? For surely success in our life's work is a far more valuable prize than the gold or silver cup we strive for upon the athletic field.

Our Rights as Citizens.

First of all let us define success. What do we mean by success? To many, unfortunately, success means the amassing of wealth, but of all the standards that is the most unworthy! While the possession of wealth should not be our aspiration—what we strive for—we should, nevertheless, not begrudge a man the fortune he

has made—if he has made it by his ability, his industry and his thrift.

For success that is real, enduring success is, after all, to be measured by service—service rendered to your community, to your nation and to mankind. It makes no difference in what walk of life you render service; it may be conspicuous service known to the whole world, or it may be inconspicuous service known to but a few. A common labourer, if he gives the best that is in him to his employer, indirectly renders service to the community, and his life is a success. We hear too much these days about our rights as individuals and citizens, and not enough about our duty. Rights and duty are really inseparable, for our rights depend upon the faithful discharge of our duties, and, if we neglect our duty as citizens, there would be no way to enforce our rights as citizens, however much we may be inclined to demand our rights.

Essentials of Success.

And so it is, in the broader sense, that the rights of a nation carry with them obligations—that is, duties of that nation to the others in the family of nations. You have good reason, my young English friends, to be proud of the fact that England has always recognized this principle, and has adopted it as her policy in assuming what your great poet, Rudyard Kipling, has happily called "The White Man's Burden." Wherever the British standard has been planted in the backward countries of the world the condition of the natives of those countries has been vastly improved—ignorant or jealous criticism to the contrary notwithstanding!

Now, what are the chief essentials of success? First and far above all others, is the possession of character, and this I say, without in the slightest degree under-estimating the importance of an education; for, without character there can be no real permanent success. Character is as indispensable to a successful career as is mortar to the stability of a building. An upright, industrious and level-headed young fellow

possesses more than half of the elements of success, and there is no reason in the world, why any of you cannot be upright, industrious and level-headed.

To succeed, one must have courage and pluck, but the English are not lacking in courage and pluck. Your countrymen have proved this upon every occasion when put to the test, and, willingly or unwillingly, all the people of the world must recognize this fact. It is a great advantage in life's battle to have a cheerful view of life—to be what are called optimists. No great constructive work was ever done by pessimists—by those with a gloomy view of life.

One of the greatest obstacles to success is what we call in my country a "big head," or a swollen head. A fellow with a big head never gets very far, he is soon lost sight of in the race of life. All the truly great men I have known, and I have known a good number of the great men of many nations, were exceptionally modest men. They realized how much more they ought to have accomplished than they really did achieve. Your great countryman, Cecil Rhodes, with whom I was intimately associated for many years, said, upon his death-bed, "so much to do, so little done," and this in spite of his great achievements known to all the world!

The Future Generation.

This is the age of opportunity, so do not be discouraged by the croakings and the direful prediction of those gloomy-minded pessimists, who are themselves failures, and who tell you that the future offers no opportunity for the ambitious young man or young woman, and that the world is going to the bow-wows, for it is not! Be cheered by the thought that behind the clouds the sun still shines. The world of your generation will be a far better world for the great mass of its inhabitants, than the world of yesterday or of to-day, and it is up to you, my young friends, to make this so, for you are the men and the women, the fathers and mothers of the coming generation.

THE BEETLE WHO WANTED A THRONE.

By E. W. LEWIS.



ONE sunny morning Sabo was sitting in his favourite place at the foot of the garden wall, when he heard a voice saying in an excited and angry tone, "I must have a throne! I will have a throne," and, looking round, he saw a beetle, a big black beetle, with a company of ladybirds following him.

He was a handsome beetle—not really black, as at first he seemed to be, but dressed in glossy armour which was very dark blue in colour, and in places very dark green, and underneath his armour Sabo could see glimpses of a gorgeous coat of many bright colours.

"If I am to be your King, I must have a throne," said the royal beetle, "a throne as high as the sky," and, as he said this, he raised himself on his hind legs and puffed out his chest.

So the ladybirds ran to the mice who lived in the wall and asked for their help, and the mice set to work and, with their sharp teeth, nibbled off a sprout from a hazel tree. The sprout was about as thick as a lead pencil, and the mice cut it off at the top and made it into a pole about three inches long.

The ladybirds got an army of ants to drag the pole to where the beetle was, and, having dug a hole in the ground, they set up the pole and made it firm by stamping all round about it.

"Here is a throne for you!" they said to the beetle, bowing their heads and covering their faces before His Majesty.

The beetle climbed to the top of the pole, looked round about him and up at the sky, which seemed just as far off as ever, and said "Not high enough! Do you call that a throne? I want it as high as the sky!"

So the ladybirds persuaded the mice to cut another pole the same size as the first one, and the ants brought it to the place, and, with a great effort they set it up on the top of the one which was fixed in the ground. In order to fasten the poles together, they got two caterpillars who stretched themselves across where the poles joined and clung on tightly.

But the higher they made the throne the less satisfied was the beetle. "Build it higher, you lazy varlets!" he shouted at them. "Have you not made me your King? Higher, I tell you! or I will tear you to pieces!"

And the ladybirds ran hither and thither in terror, and collected more ants and more caterpillars for the work.

But after a while the mice grew tired of nibbling. They had had enough. They struck work. In fact, there was a general strike.

Then the beetle ran up to the top of his throne, and from his height he called angrily down to the ladybirds and said, "Get more poles! I'm not up to the sky yet by a long way! More poles, or, by my crown, I'll have you tortured and slain!"

Then one of the ladybirds had a bright idea. "Why not use the poles we've got?" she said. "Take the bottom one and put it at the top, and the next one and put it on the top of that, and so on, up and up!"

So they set to work with a will, while the beetle went on thundering from his lofty throne. They dug away the soil in which the first pole had been fixed, and when all was clear, with a mighty tug they pulled it away. But, horror of horrors! the whole of the great high throne began to totter and sway. The royal beetle was sent flying through the air and he fell on his back with a splash into the lily pool where the frog had been waiting for his chance for a long while. "That was lucky!" said the frog to Sabo, as he gulped the beetle down, "did you send that one to me? Much obliged I'm sure!"

(Another Sabo Story Next Week.)

PALACE OF
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Edinburgh Programme.
Week Beginning Sunday, July 6th.

SUNDAY, July 6th.

3.0-5.30.—Programme S.B. from London.
6.30-8.0.—Service for Freemasons: Conducted by the Rev. R. H. FISHER, D.D., assisted by Choir and Orchestra under the Direction of Mr. J. W. COWIE. Relayed from St. Cuthbert's Parish Church, S.B. to Glasgow.
8.0-9.0.—Interval.

MONDAY, July 7th.

3.30-4.30.—Band of the Dunedin Palais de Danse.
5.0-6.0.—CHILDREN'S CORNER.
7.0-11.30.—Programme S.B. from London.

TUESDAY, July 8th.

5.0-6.0.—CHILDREN'S CORNER.
7.0-11.5.—Programme S.B. from London.

WEDNESDAY, July 9th.

3.30-4.30.—Band of the Dunedin Palais de Danse.
5.0-6.0.—CHILDREN'S CORNER.
7.0 onwards.—Programme S.B. from Glasgow.

THURSDAY, July 10th.

5.0-6.0.—CHILDREN'S CORNER.
7.0-11.0.—Programme S.B. from London.

FRIDAY, July 11th.

3.30-4.30.—Band of the Dunedin Palais de Danse.
5.0-6.0.—CHILDREN'S CORNER.
7.0.—NEWS and WEATHER FORECAST. S.B. from London.
Dr. F. W. CROSSLEY HOLLAND. S.B. from London. Local News.

Schubert Evening.

ELSIE NAYSMITH-YOUNG (Soprano).
ROSE MCKENZIE (Contralto).
WILLIAM SIM (Baritone).
ARTHUR W. DACE (Solo Pianoforte).
7.30.—GEORGE L. MARSHALL, M.A., on "Schubert's Place in the Musical Hierarchy."
7.40.—SMALL STRING ORCHESTRA. Under the Direction of HERBERT MORE. "Marche Militaire."
Symphony in B Minor (Unfinished).
(a) Allegro Moderato; (b) Andante con moto.

8.15.—William Sim.
"The Inquirer."
"Lay of the Imprisoned Huntsman" (Words from Sir Walter Scott's "Lady of the Lake").
8.23.—Elsie Naysmith-Young.
"Whither."
"The Trout."

8.28.—Arthur W. Dace.
Minuet in B Minor.
"Hark, Hark, the Lark" *arr. Liszt*

8.36.—Rose McKenzie.
"Who is Sylvia?"
"Sung on the Waters."

8.45.—Elsie Naysmith-Young.
"Margaret at the Spinning Wheel."
"Impatience."

8.50.—The Orchestra.
Ballet Music to "Rosamundo" (Nos. 1 and 2).
9.2.—William Sim.

"The Greybeard's Song."
"Serenade."
"The Alpine Hunter."

9.15.—Lord BALFOUR. S.B. from London.
9.35.—HEGGIE THOMSON (Tenor).
"Drink to Me Only With Thine Eyes."

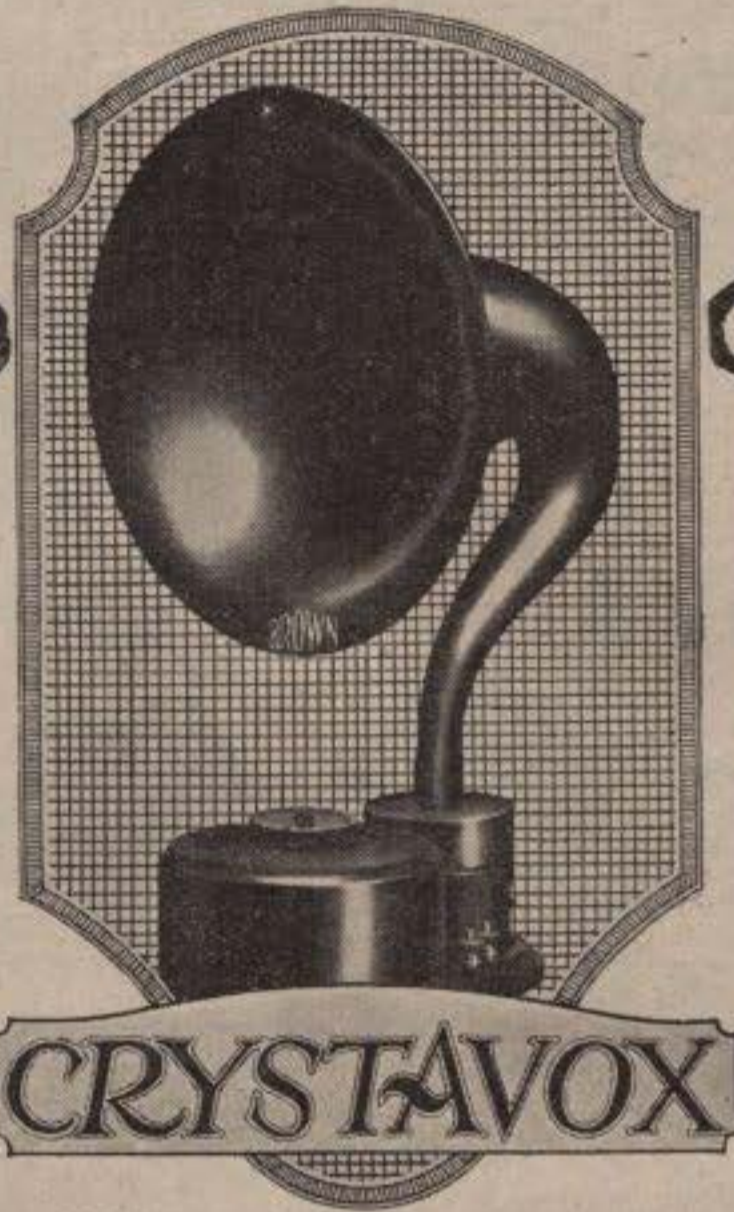
Roger Quilter
"Questa o Quella" ("Rigoletto")...Verdi
SCHUBERT PROGRAMME (Continued).
9.42.—Rose McKenzie.

"To Music."
"The Linden Tree."
9.50.—William Sim.

"The Wanderer."
"The Erl King."
10.0.—NEWS and WEATHER FORECAST. S.B. from London. Local News.

10.10 (approx.) "LE COQ D'OR," Act III. S.B. from London.
SATURDAY, July 12th.

5.0-6.0.—CHILDREN'S CORNER. S.B. to Glasgow and Aberdeen.
7.0-12.0.—Programme S.B. from London. Announcer: G. L. Marshall.



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Smith is getting splendid results since we soldered his wiring and he's been paying us very nice compliments ever since—tells all his friends, y'know. Well, time's getting on, and we must be off again, but before we go, just one word of advice to the readers of *The Radio Times*: Solder your connections—solder 'em all—and as sure as my name's SOLDER you'll reap a better harvest of wireless waves; but don't on any account forget to use FLUXITE—it makes soldering so easy."

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Liverpool Programme.
Week Beginning Sunday, July 6th.

SUNDAY, July 6th.

5.0-5.30. }
8.30-10.30. } Programmes S.B. from London.

MONDAY, July 7th.

4.0-5.0.—Gaillard and his Orchestra, relayed from the Scala Picture House.
5.30-6.15.—CHILDREN'S CORNER.
7.0-11.30.—Programme S.B. from London.

TUESDAY, July 8th.

4.0-5.0.—Gaillard and his Orchestra, relayed from the Scala Picture House.
5.30-6.15.—CHILDREN'S CORNER.
7.0-11.5.—Programme S.B. from London.

WEDNESDAY, July 9th.

4.0-5.0.—Gaillard and his Orchestra, relayed from the Scala Picture House.
5.30-6.15.—CHILDREN'S CORNER.
7.0-11.30.—Programme S.B. from London.

THURSDAY, July 10th.

4.0-5.0.—Gaillard and his Orchestra, relayed from the Scala Picture House.
5.30-6.15.—CHILDREN'S CORNER.
7.0-11.0.—Programme S.B. from London.

FRIDAY, July 11th.

4.0-5.0.—Gaillard and his Orchestra, relayed from the Scala Picture House.
5.30-6.15.—CHILDREN'S CORNER.
7.0.—NEWS and WEATHER FORECAST. S.B. from London.

Local News.

EDITH BYROM TRIO.
EDITH BYROM (Pianoforte).
OLGA LAW (Violin).
SYDNEY H. LUNT (Cello).

- 7.15.—" Shepherd's Hey " Grainger
" Drink to Me Only " Quilter
" Three Poor Mariners " Quilter
" Handel in the Strand " Grainger
- 7.35. KLINTON SHEPHERD (Baritone).
" Sea Fever " John Ireland
" The Lute Player " Allitsen (1)
- 7.45.—" Fantaisie Trio " Frank Bridge
- 8.0. MARGARET HASELDEN (Contralto).
" Evening Boat Song " Schubert (1)
" Have I Lost Thee? " (Che Faro) Gluck (1)
" Happy Summer Song " Kahn (8)
" Softly Awakes My Heart " (" Samson and Delilah ") Saint-Saëns
- 8.15.—" Fantaisie Trio " John Ireland
Sonata Aylmer Buesst
- 9.0. DORIS BARROW (Soprano).
" Songs My Mother Taught Me " Dvorak
" Wise Folly " Landon Ronald (5)
Doris Barrow and Klinton Shepherd.
Duet, " Still as the Night " Gotte
- 9.15.—Lord BALFOUR. S.B. from London.
- 9.35.—" Celtic Prelude " Boughton
" Phantaisie Trio " Alice Verne Bredt (2)
" Children's Suite " Ansell
- 10.0.—NEWS and WEATHER FORECAST. S.B. from London.
Local News.
- 10.10.—" LE COQ D'OR," Act III. S.B. from London.

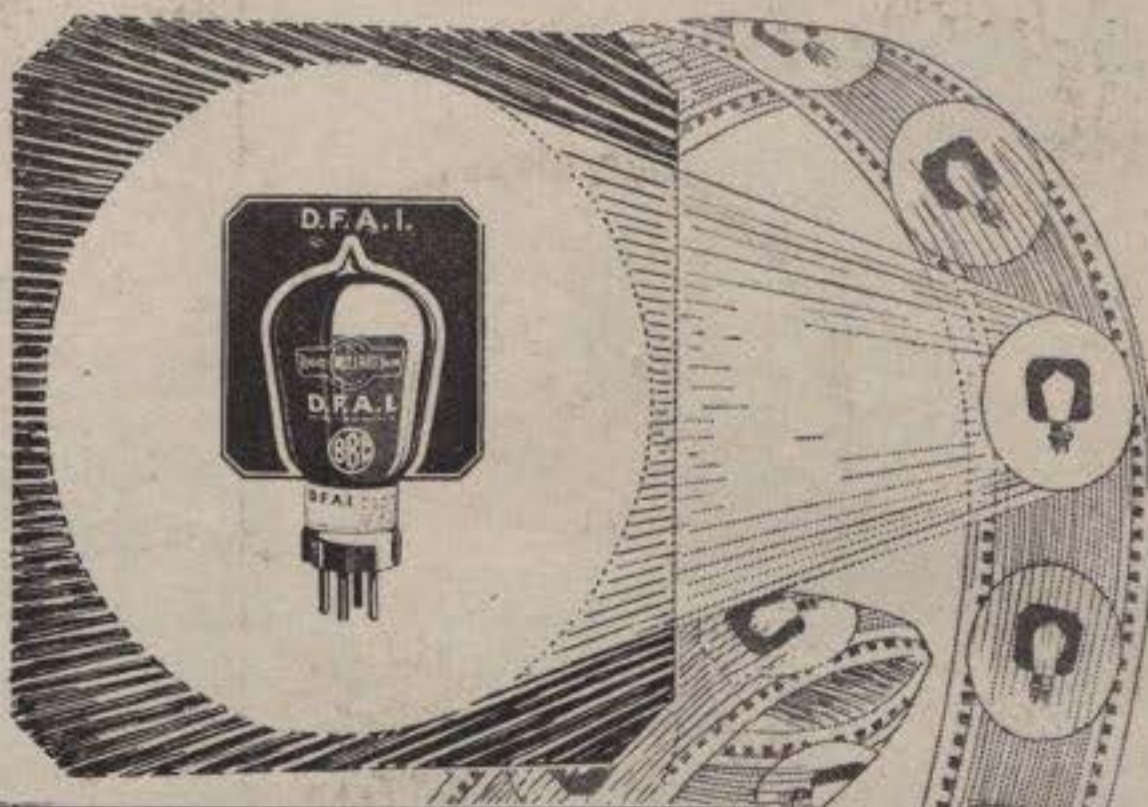
SATURDAY, July 12th.

4.0-5.0.—Gaillard and his Orchestra, relayed from the Scala Picture House.
5.30-6.15.—CHILDREN'S CORNER.
7.0-12.0.—Programme S.B. from London.

Announcer : H. Cecil Pearson.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 55.

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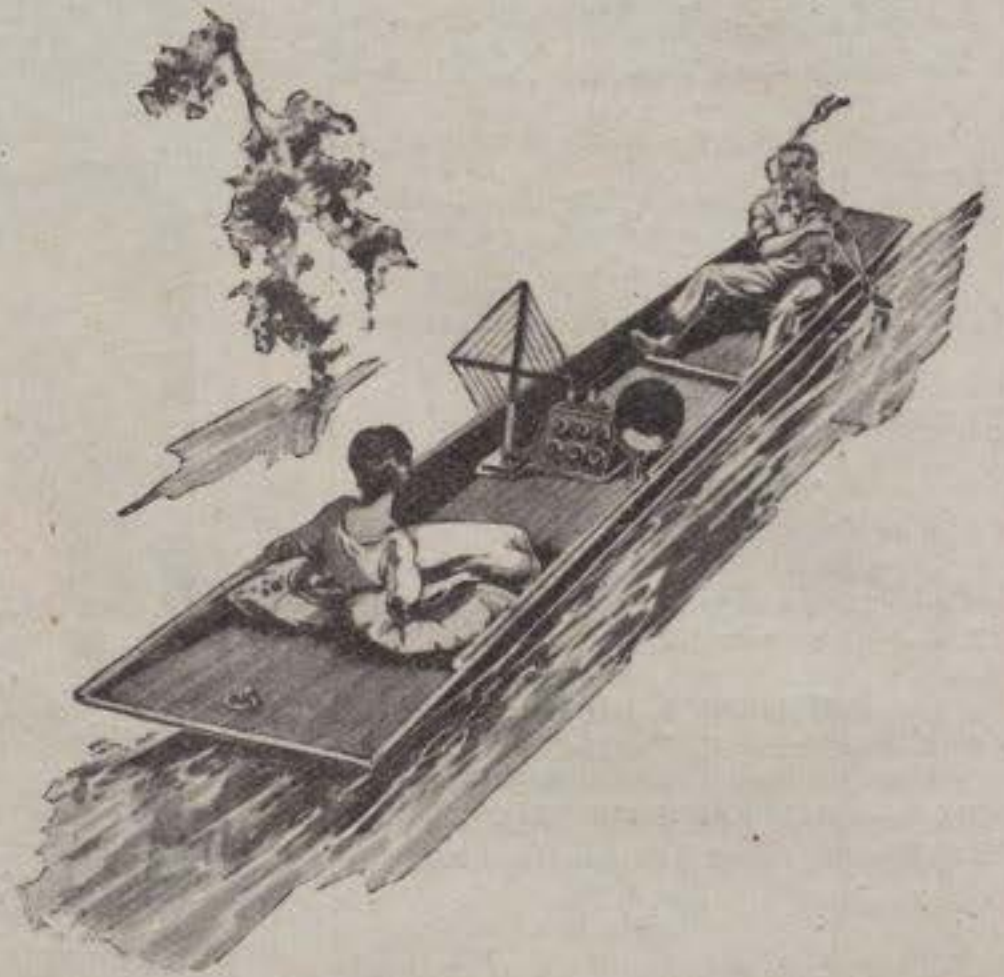
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Plymouth Programme.
Week Beginning Sunday, July 6th.

SUNDAY, July 6th.

3.0-5.30. }
8.30-10.30. } Programmes S.B. from London.

MONDAY, July 7th.

3.30-4.30.—Savoy Picture House Orchestra—
Musical Director, Albert Hosie.
5.30-6.30.—CHILDREN'S CORNER.
7.0-11.30.—Programme S.B. from London.

TUESDAY, July 8th.

3.30-4.30.—Savoy Picture House Orchestra—
Musical Director, Albert Hosie.
5.30-6.30.—CHILDREN'S CORNER.
7.0-11.5.—Programme S.B. from London.

WEDNESDAY, July 9th.

3.30-4.30.—Savoy Picture House Orchestra—
Musical Director, Albert Hosie.
5.30-6.30.—CHILDREN'S CORNER.
7.0-7.30.—Programme S.B. from London.
7.30-8.15.—ANNUAL METHODISTS' CON-
FERENCE. Relayed from the Guildhall.
8.15-11.30.—Programme S.B. from London.

THURSDAY, July 10th.

3.30-4.30.—Savoy Picture House Orchestra—
Musical Director, Albert Hosie.
5.30-6.30.—CHILDREN'S CORNER.
7.0-11.0.—Programme S.B. from London.

FRIDAY, July 11th.

3.30-4.30.—Savoy Picture House Orchestra—
Musical Director, Albert Hosie.
5.30-6.30.—CHILDREN'S CORNER.
7.0.—NEWS and WEATHER FORECAST.
S.B. from London.
Dr. F. W. CROSSLEY-HOLLAND. S.B.
from London.
Local News.

Local Concert.

7.30. AUBERRY PRYOR (Solo Piano-
forte).
Prelude in F Sharp }
Etude in C Sharp Minor }Chopin
Waltz in A Flat }
GERTRUDE GLYNN-WILLIAMS
(Soprano).

"Happy Summer Song" Gerlad F. Kahn (8)
"Slave Song" Teresa del Riego
EWART PRYOR (Solo Violin).
"Legende" Wieniawski
RONALD STEAR (Baritone).
"Song of Triumph"Oswald Anderson (12)
"The Arrow and the Song"Balfe
FLORENCE HARDING and BLOYE
KEYS (Entertainers).
"In the Glorious Days to Be" Herbert (13)
"I Like You"Farrell Hatch (7)
Auberry Pryor.
"Cherry Ripe"Cyril Scott
"Tower Hill" }
"King's Hunt" } arr. Harold Craxton (17)
Gertrude Glynn-Williams.
"Carmina"H. Lane Wilson (22)
"Harlequin"Sanderson (1)
Ewart Pryor.

Viennese Folk Song, "Du Alter Stefan-
sturm"Brundel, arr. Kreisler
"Schon Rosmarin"Kreisler
Ronald Stear.
"Song of the Flea"Moussorgsky
"Myself When Young"Liza Lehmann
Sir JAMES L. COTTER, Bt., F.R.H.S., on
"The Care of Roses."
Florence Harding and Bloye Keys.
"Hurricane History"Cecil (13)
"El Yo Like"Barker (13)
"Roadways"Lohr
"You're the Sort of Girl"Hedley (7)

9.15.—Lord BALFOUR. S.B. from London.
9.35-10.0.—Programme S.B. from London.
10.0.—NEWS and WEATHER FORECAST.
S.B. from London.
Local News.
10.10 (Approx.)—"LE COQ D'OR," Act III.
S.B. from London.

SATURDAY, July 12th.

3.30-4.30.—Savoy Picture House Orchestra—
Musical Director, Albert Hosie.
5.30-6.30.—CHILDREN'S CORNER.
7.0-12.0.—Programme S.B. from London.
Announcer: Clarence Goodby.

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To the
DEAF



The Hon. Betty at Wembley.

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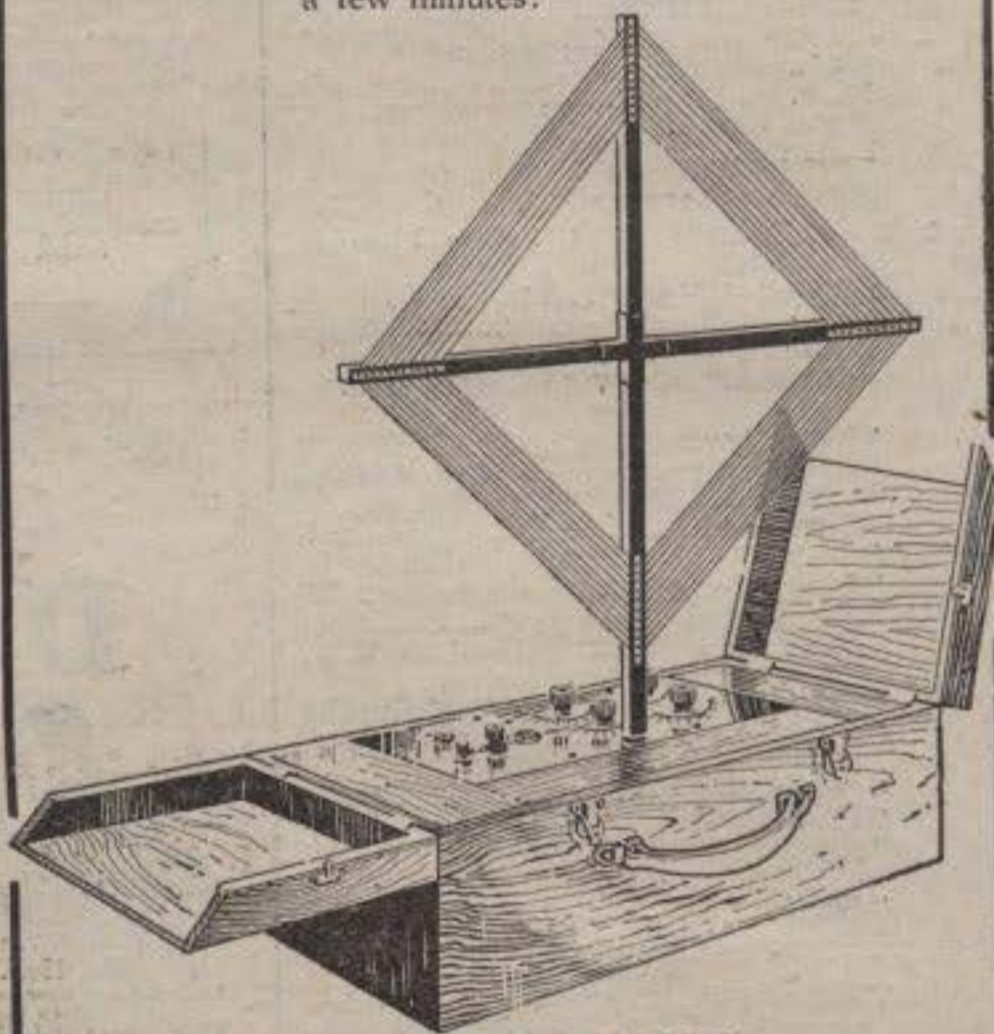
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Sheffield Programme.
Week Beginning Sunday, July 6th.

SUNDAY, July 6th.

3.0-5.30. } Programmes S.B. from London.
8.30-10.30. }

MONDAY, July 7th.

3.30-4.30.—Programme S.B. from Manchester.
5.30-6.30.—CHILDREN'S CORNER.
7.0-11.30.—Programme S.B. from London.

TUESDAY, July 8th.

3.30-4.30.—Programme S.B. from Birmingham.
5.30-6.30.—CHILDREN'S CORNER.
7.0-11.5.—Programme S.B. from London.

WEDNESDAY, July 9th.

3.30-4.30.—Programme S.B. from Birmingham.
5.30-6.30.—CHILDREN'S CORNER.
7.0-11.30.—Programme S.B. from London.

THURSDAY, July 10th.

3.30-4.30.—Programme S.B. from Birmingham.
5.30-6.30.—CHILDREN'S CORNER.
7.0.—NEWS and WEATHER FORECAST.
S.B. from London.
PERCY SCHOLES. S.B. from London.
Radio Society Talk. S.B. from London.
Local News.
7.35-8.0.—Interval.

Light Opera Night.

8.0.

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A Musical Play in Two Acts.
Book by Leedham Bantock and P. J. Barrow.

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Act I.: The Old Mill in the Bois d'Amour, Pont Avon.

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Daffodil Time in Brittany—18th Century.

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Old Jacques (A Clarionet Player) HARRY SENIOR

Pierre (Coachman) CLIFFORD COWLING

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Eugène } EDWARD SWIFT

Phillippe } CHRIS HARVEY

Vivien } HARRY FRANKISH

Baptiste Boubillon (A Chef) ERNEST COWLING

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Denise de la Vire (Ward of the Marquise) GLADYS SOMERFIELD

Madame Poquelin GLADYS CLARK

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Mirette } Gatherers { EDITH BROOK

Christine } ANNIE BROWN

Rosalie } GWEN STYRING

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

Sir GEORGE NEWMAN. S.B. from London.

Local News.

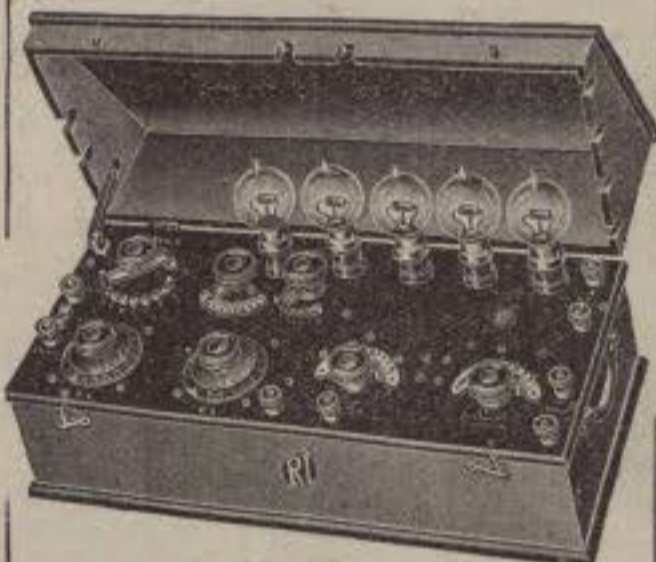
10.30.—Close down.

FRIDAY, July 11th.

3.30-4.30.—Programme S.B. from Manchester.
5.30-6.30.—CHILDREN'S CORNER.
7.0 onwards.—Programme S.B. from London.

SATURDAY, July 12th.

3.30-4.30.—Programme S.B. from Birmingham.
5.30-6.30.—CHILDREN'S CORNER.
7.0-12.0.—Programme S.B. from London.
Announcer: H. C. Head-Jenner.



5-Valve Set.

All our sets are suitable for the New High Power Station without the use of extra accessories. Wavelength range 300-4,000 metres.

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131

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THE PORTABLE-FIVE.

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A Five-valve Cabinet Receiver for use with either Dull or Bright emitter valves. Owing to its many special and exclusive features, really good **Loud Speaker** reception may be easily obtained at 500 miles under normal conditions. Under reasonably favourable circumstances good **Loud Speaker** reception at 3,000 miles has been frequently obtained by private users.

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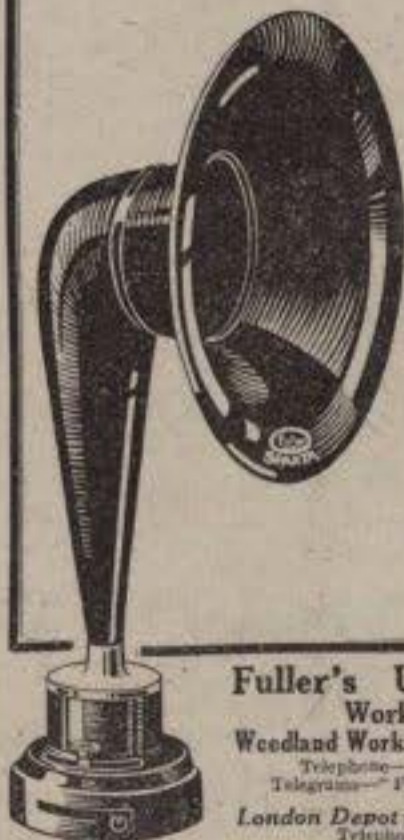


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Type A. 120 ohms.
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The first Loud-Speaker to provide for additional control through a 6-position tone selector.
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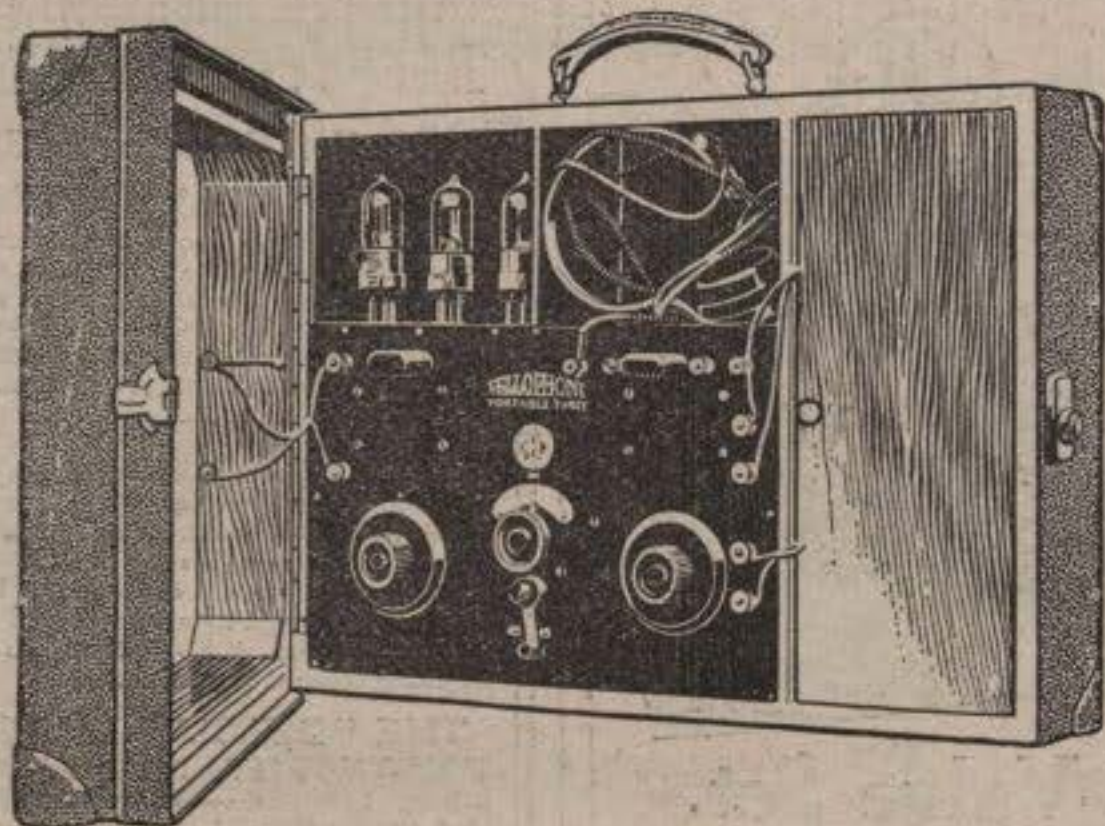
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It is just the set for the summer.

Ask your dealer for a demonstration to-day.

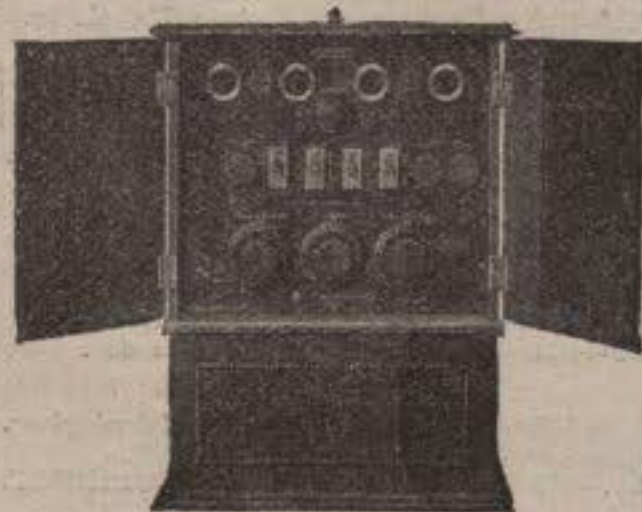
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Including Loud Speaker, Telephone and all Valves and Batteries - - - **£42:10:0**

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RADIO CORNER, 179, Strand, London, W.C.2

*"What I like about them
— they never vary and
they never affect my
throat!"*



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Leeds-Bradford Programme.

TUESDAY, July 8th.

Opening Ceremony.

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.
ELSIE SUDDABY (Soprano).
WALTER WIDDOP (Tenor).

- 7.30. The Band.
"The Spirit of Pageantry" Fletcher
"Reminiscences of England" Godfrey
- 7.50. Tenor Songs.
"Celeste Aida" ("Aida") Verdi
- 8.0. The Band.
Selections from "Faust" Gounod
- 8.20. Soprano Songs.
"So Sweet is She" Anon
"Nymphs and Shepherds" Purcell
- 8.30. The Band.
Suite for Military Band Holst
- 8.50.—Mr. J. C. W. REITH (Managing Director,
B.B.C.) introducing the Lord Mayors of
Leeds and Bradford.
- 9.0-9.30. **Opening Speeches.**
S.B. to all Stations.
- 9.0.—Time Signal from Big Ben.
Speech by The Lord Mayor of
LEEDS, Sir EDWIN AIREY, J.P.
- 9.5.—Speech by The Lord Mayor of BRAD-
FORD, Alderman HERBERT M.
TROTTER.
- 9.10.—Aberdeen and Cardiff will discuss by
wireless the opening of the Leeds-
Bradford relay station.
- 9.30. The Band.
"In the Cloisters" Torrance (8)
- 9.40. Soprano Songs.
"Orpheus With His Lute" Sullivan
"The Lass with the Delicate Air" Arne
- 9.50. The Band.
"In a Persian Market" Kettelbey
- 10.0.—NEWS and WEATHER FORECAST—
S.B. from London.
Local News.
- 10.15. Tenor Songs.
"Now Sleeps the Crimson Petal" } Quilter
"Blow, Blow, Thou Winter Wind" } (1)
- 10.25. The Band.
March, "Pomp and Circumstance," No. 4
Elyar (1)
- 10.30.—Close down.

WEDNESDAY, July 9th.

- 5.0-6.0.—CHILDREN'S CORNER.
7.0-11.30.—Programme *S.B. from London.*

THURSDAY, July 10th.

- 5.0-6.0.—CHILDREN'S CORNER.
7.0-11.0.—Programme *S.B. from London.*

FRIDAY, July 11th.

- 5.0-6.0.—CHILDREN'S CORNER.
7.0 onwards. Programme *S.B. from London.*

SATURDAY, July 12th.

- 5.0-6.0.—CHILDREN'S CORNER.
7.0-12.0.—Programme *S.B. from London.*

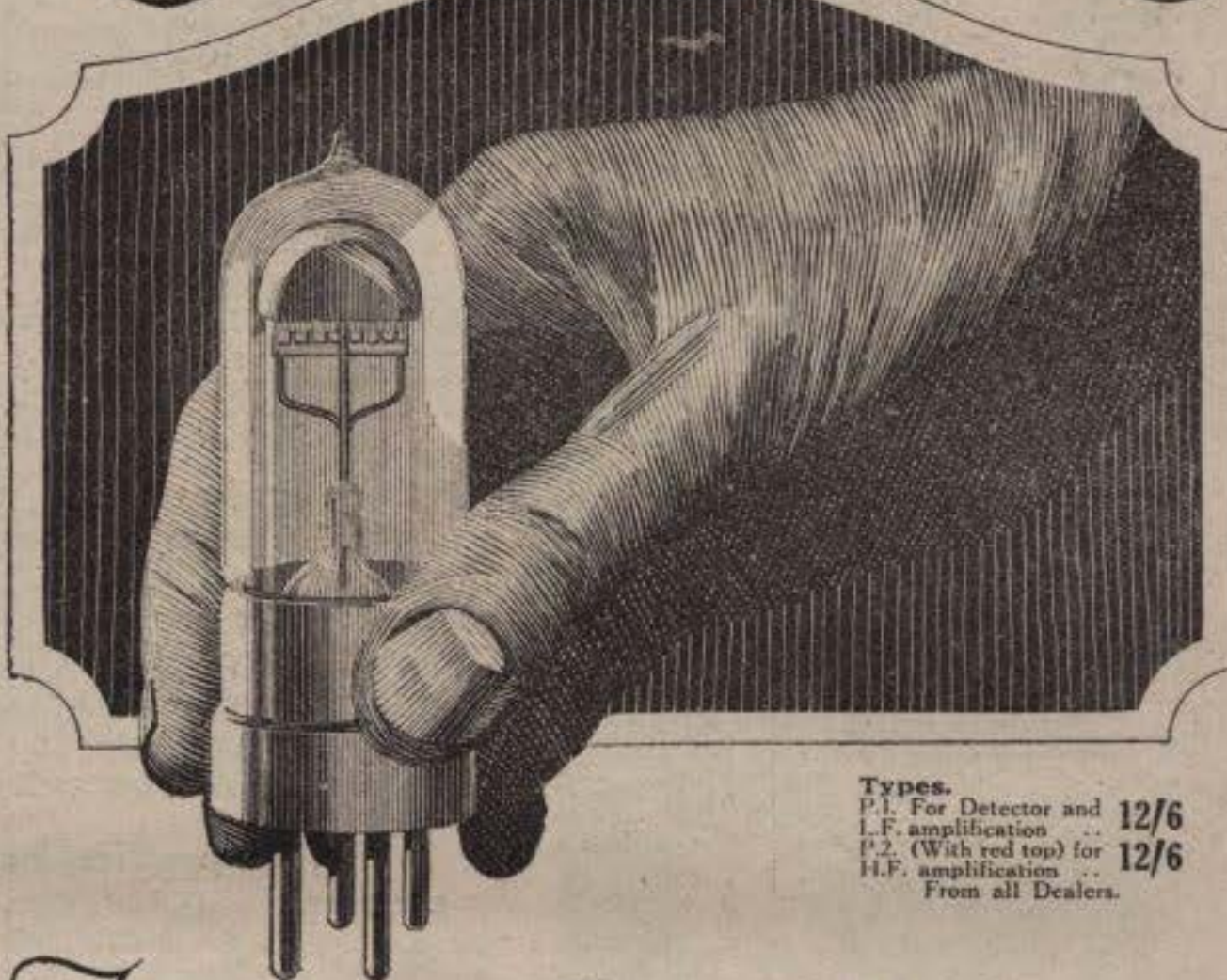
Announcer: G. P. Fox.

THE GREAT BROADCASTING SECRET

BY WILLIAM LE QUEUX

THIS WEEK'S "TIT-BITS."

Cossor



Types.
P.1. For Detector and L.F. amplification . . . 12/6
P.2. (With red top) for H.F. amplification . . . 12/6
From all Dealers.

Five minutes will convert you to Cossor Valves

EVERY wireless enthusiast knows (or should know) that the whole principle of the 3-electrode valve is a filament which is heated to produce a flow of electrons—an anode to which the electrons travel, and finally a Grid through which they must pass. Incidentally, of course, when the Valve is working, the Grid acts as a kind of control, and exerts a great influence upon the resultant purity of speech and music being received.

Obviously, up to a point, the greater the filament voltage the brighter will the Valve glow and the greater will be the number of electrons given off. Alternatively, of course, you must have noticed that, when your accumulator is becoming exhausted, the filament glows less brightly and speech gets fainter and fainter, due solely to the decreasing flow of electrons.

Instinctively you will have learnt, therefore, that this electron stream is all-important, and that everything must be done to conserve its energy.

Now in the Cossor Valve the filament is arched and almost totally enclosed by the hood-shaped Grid and Anode. Of the millions of electrons which leave the filament every second, practically all of them arrive at either the Grid or the Anode—there's nowhere else for them to go.

But in a Valve with a long slender filament and a straight tubular Anode, a very large percentage of the electron stream leaks out at each end to be wasted against the glass. Thus the explanation of the better results which accrue when Cossor Valves are used is quite simple—careful scientific design and not "black magic" is the chief factor.

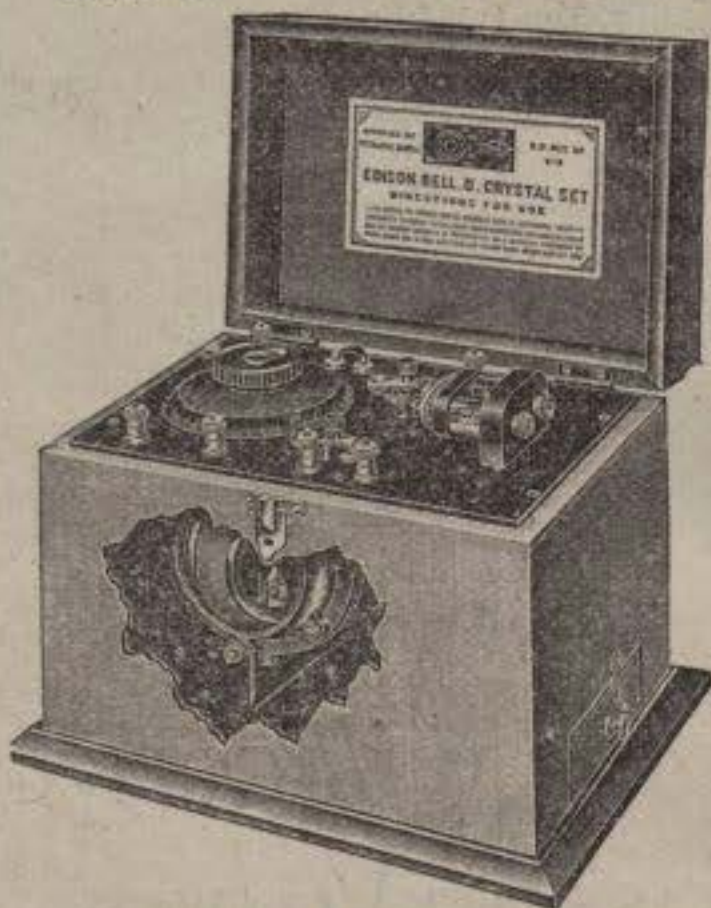
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Just what wireless Ought to be!

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THE EDISON BELL "B" CRYSTAL SET is a marvel of sound value. Its simplicity and efficiency make it an ideal instrument for those wishing to listen to broadcasted concerts, while the special construction of the set will appeal to experimenter and advanced worker.

Tuning is accomplished by the use of the well-known Edison Bell variometer, which is wound suitable for broadcast reception on any P.M.G. aerial. The detector is of the now well-known TWIN type.

Specification.

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COMPLETE.
(Including B.B.C. Tariff.)

Weight, 5 lbs. Size, 8½" x 6" x 7½" deep, with ebonium panel, fitted into a polished cabinet, with nickel-plated fittings throughout, reliable fastening, and strong leather handle for carrying.

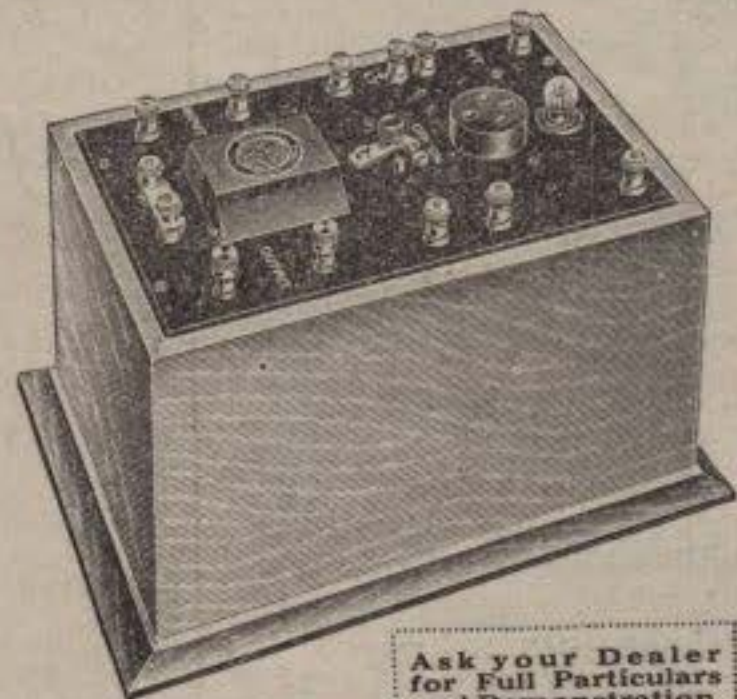
THE EDISON BELL NOTE MAGNIFIER when added to the crystal receiving set, amplifies the received telephony from ten to twenty times and will increase the headphone range very considerably.

A small fuse is fitted to avoid danger of destroying the valve through accidental short circuit. Special terminals are fitted for grid bias batteries, so that higher plate voltages may be used and louder signals amplified without distortion. When efficient Loud-speaker strength is desirable a second note magnifier may be added.

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Royalty, extra.)



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for Full Particulars
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MANUFACTURERS AND PATENTEES: J. E. HOUGH, Ltd., EDISON BELL WORKS, LONDON, S.E.15.

The
WORLD'S
STANDARD
WIRELESS LOUD
SPEAKER

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AMPLION
JUNIOR
with Floating Diaphragm
27/6



The AMPLION
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THESE models incorporate the latest developments in Loud Speaker construction. . . . Colourable imitations of the above original designs having been placed upon the market . . . but without the patented features exclusive to the Amplion and essential to Loud, Clear and truly Natural reproduction . . . the House of Graham has decided to protect the public by marketing genuine Amplion models at these greatly reduced prices.

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THE Ethophone V is a Tuner, Receiver and Power Amplifier combined, employing four valves. It is capable of good loud speaker reception at great ranges. Its price, complete with valves and batteries, is £38 15s. 0d.

The Ethovox Loud Speaker gives perfect, silver-toned, mellow reproduction of all musical and vocal notes. It is coloured a warm mahogany shade and is gracefully shaped. Its price, with either 120 or 2,000 ohms resistance, is £5.

The price of the Ethophone V and the Ethovox, together with valves, batteries, accumulator, telephones and aerial equipment, is £49 10s. 0d.

Radio Joys in your Garden on Summer Evenings

SUMMER, with its glorious sunshine, is here at last! During the heat of the day in office and home the lure of the cool of the evening in your garden presents a great delight. The colours of the flowers stand out gaily on their background of green and the cool evening breezes are perfumed by their fragrance. Into these ideal surroundings there comes a new pleasure—the pleasure brought by broadcasting. With the Ethophone V and the Ethovox Loud Speaker you can enjoy good music, correctly reproduced, anywhere—at this season we suggest that your garden, roofed by gold-flecked summer skies, shall be the auditorium.

Radio out-of-doors, by means of the Ethophone V and the Ethovox Loud Speaker, makes a wonderful appeal to the senses, that you must experience to appreciate.

Write for particulars of the Ethophone V and the Ethovox—two perfect wireless instruments that will enable you to make the most of radio anywhere.

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Full details are given for building a new Portable Set of efficient design. Just the Receiver for holiday-makers. Easy to build, economical to maintain, useful all the year round.

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A useful article by the Editor intended to be of special benefit for those who are graduating from Crystal to Valve Sets.

Systematic Fault Finding.

One of the first articles to deal seriously and systematically with failures in Receiving Sets. Every reader will closely study it and store the information given for his own benefit when the inevitable breakdown occurs.

Also a number of constructional articles dealing with a new selective Crystal Set, a One-Valve Receiver (varionator) using reaction, and also practical articles of equal interest.

THE Puriflex is the very latest Transformerless Reflex Set designed by Percy W. Harris, and described by him in this new issue of *Modern Wireless*—the Magazine which has already contributed such popular Receivers as the S.T. 100, the All-Concert, the Trans-Atlantic, the remarkable Omni-Circuit and many others.

The Puriflex is a 3-Valve Reflex Set which is absolutely foolproof to build and foolproof to operate. Unlike most other Reflex Sets it cannot howl or buzz, yet it is extraordinarily powerful and sensitive. Its cost to build is so little because it makes use of no expensive L.F. Transformers. At the same time the particular method employed permits much purer Loud Speaker reproduction being obtained.

Very great care has been exercised in the preparation of this article because a large number of readers will want to build it—a number of them, probably, making it their first Valve Set. The fullest description of every stage of the

work is given, together with a number of photographs and diagrams.

In any case, whether you are thinking of building a new Set or not, you must read this article—it opens up new possibilities that no one can afford to miss.

The Crystal Menace.

Do you realise that even Crystal Sets can cause interference? Do you know that, under certain conditions, your casual remarks whilst listening-in can be heard on your neighbour's Crystal Set?

These are but two of a number of disturbing matters fully discussed in an important article by John Scott-Taggart, F.Inst.P., A.M.I.E.E. Be sure you read it, for points are raised which are likely to be much discussed in the future. The whole article is of absorbing interest and one that will probably attract a lot of attention.

Remember that practically every issue of *Modern Wireless* is sold out within a few days of issue. You should get your copy to-day without fail.

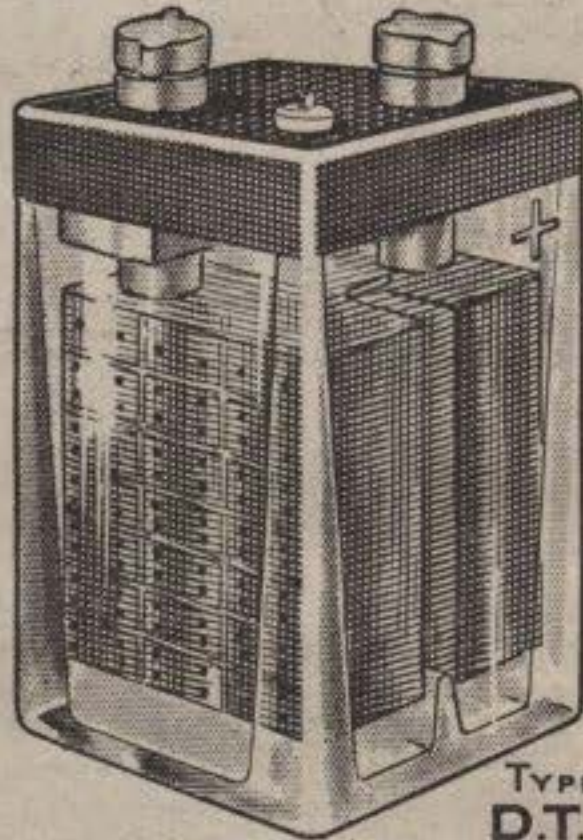
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Modern Wireless

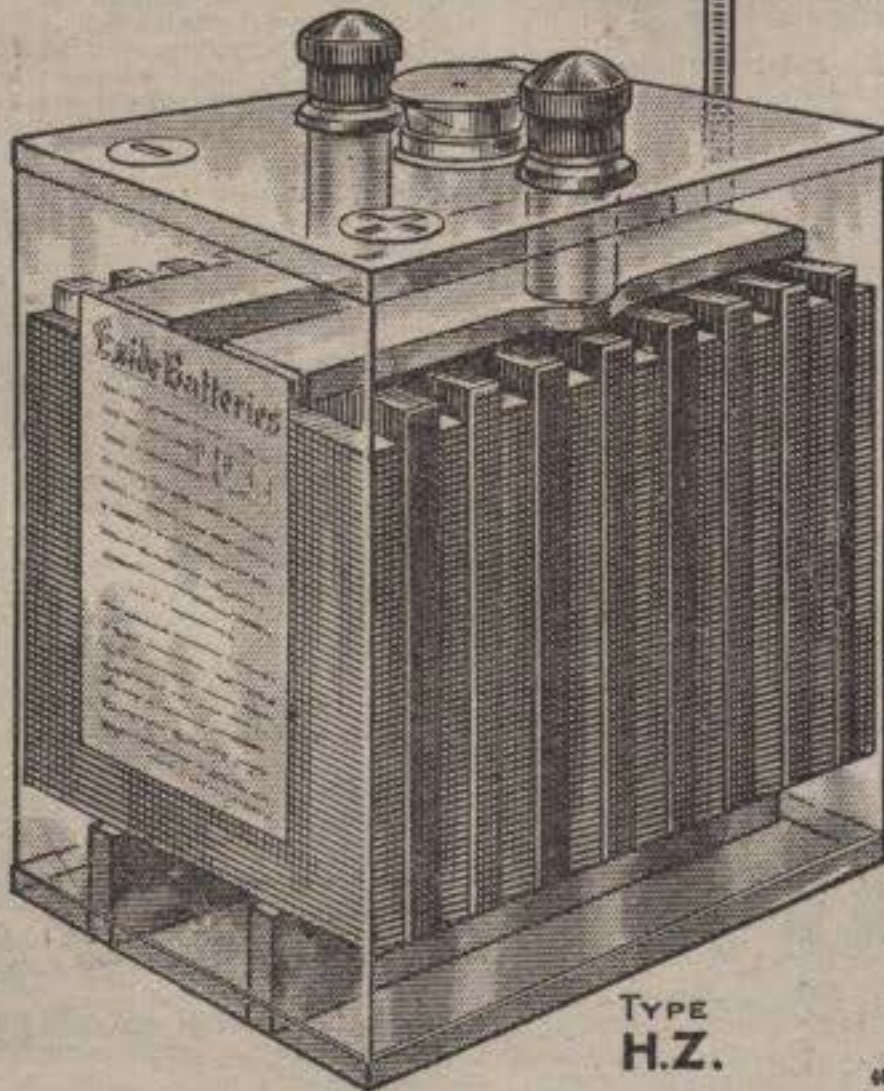
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These are the batteries for Summer-time. Unless the whole charge is previously taken out they only need

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GLASS BOXES,
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2 VOLTS.

Capacity 20 ampere hours
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Supplied dry and fully
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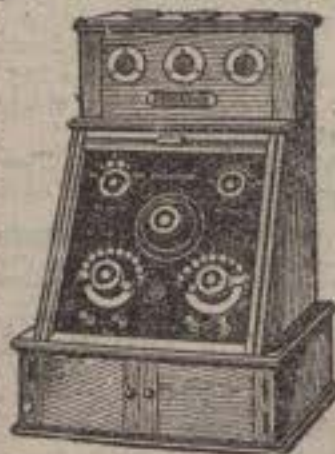
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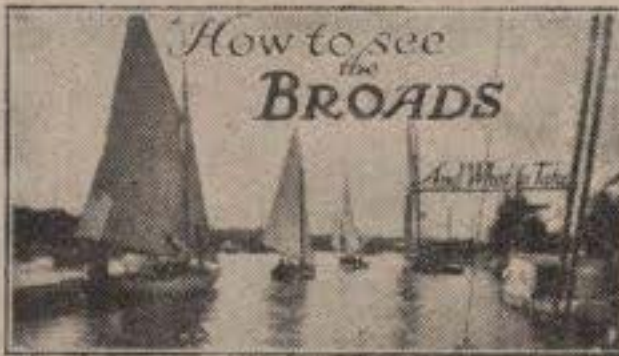
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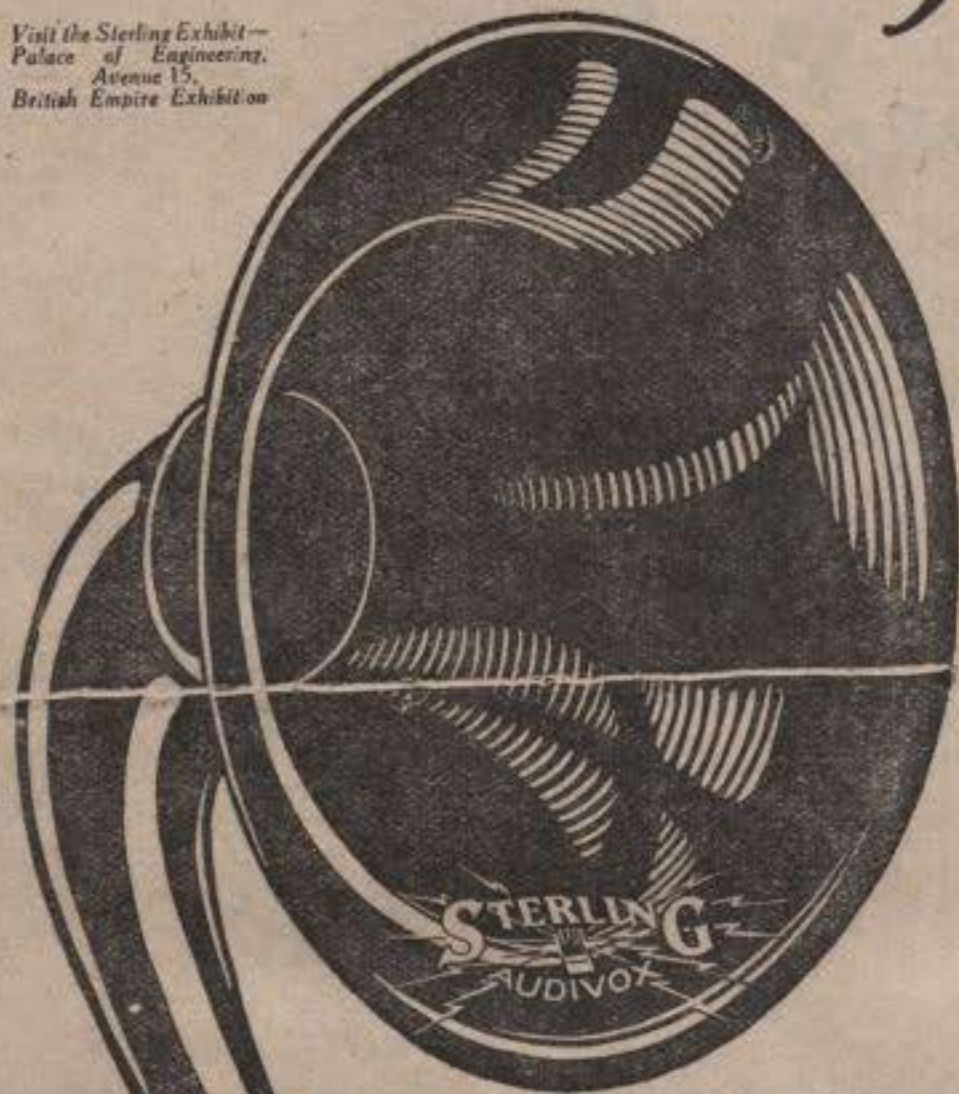
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