



THE OFFICIAL ORGAN OF THE B.B.C.

Vol. 2. No. 22.

[Registered at the
G.P.O. as a Newspaper.]

EVERY FRIDAY.

Two Pence.

OFFICIAL PROGRAMMES OF THE BRITISH BROADCASTING COMPANY.

For the Week Commencing
SUNDAY, FEBRUARY 24th.

LONDON	CARDIFF
ABERDEEN	GLASGOW
BIRMINGHAM	MANCHESTER
BOURNEMOUTH	NEWCASTLE
SHEFFIELD (Relay)	

SPECIAL CONTENTS:

WATTS IN THE AERIAL.
By P. P. Eckersley.

THE MAGIC GROWTH OF RADIO.
By Arthur R. Burrows.

OFFICIAL NEWS AND VIEWS.

THE LIFE OF A STATION DIRECTOR.

THE STORY OF "CALLER HERRIN."

THE CHILDREN'S CORNER.

READERS' OWN HUMOUR.

What's In The Air?

In Lonely Places.

By J. C. W. REITH, Managing Director of the B.B.C.

YOU will all have heard of St. Kilda; not the man, but the place. If you look for it on the atlas you will find it, a tiny speck out in the Atlantic Ocean, forty miles west of the Scottish Western Isles or Hebrides. It is the loneliest inhabited spot in the British Isles. On this rocky island, or rather group of islands, the haunt of innumerable wild fowl, and sittier for bird than for beast or man, some sixteen families snatch a precarious existence.

* * * *

A few acres of the ground are cultivated, and a number of sheep and cattle are kept, but many of the necessities of life, without which the inhabitants would suffer great privation, have to be imported from the mainland. I have not actually lived on the island, but even when visiting it for a few hours one wonders what these isolated dwellers would do if seized with a craving to go to a theatre, the "movies," a football match, and so on. Perhaps they never have such desires.

* * * *

Owing to rough weather, the island is practically inaccessible for eight months of the year, and so if storms prevent the call of passing tramp steamers the natives may have to endure a whole winter without even coal and other necessities, their only fuel being lumps of turf.

* * * *

It may be remembered that about the year 1913, after a long spell of dirty weather, these boats failed to appear and all communication with the outside world had ceased. There was much distress on the island, and they were without a doctor. When at last this news reached the mainland there was much public sympathy, and as far as I can remember through the instrumentality of a certain newspaper and by the special generosity of a private individual

there was established on the island a wireless station in order that the inhabitants might be kept in touch with the world.

* * * *

This was, of course, long before the days of the B.B.C., when wireless was in its youth and all the signals were in Morse. But Morse signalling and the maintenance of a station is an expert accomplishment, and it was unlikely that any native of the island could qualify for the work. Also, no doubt, the costs and difficulties of maintenance were more than they would be to-day and greater than were expected.

* * * *

At any rate, I remember my father telling me that when he visited St. Kilda in July, 1914, the ship which carried him took also a wireless engineer whose melancholy task it was to dismantle the wireless installation. Ten days later the Great War broke out. Perhaps had the station been in operation, it might have handsomely paid its way in this lonely Atlantic outpost.

* * * *

Though the war has involved waste and destruction beyond calculation, it has certain definite gains to its credit, notably in the sphere of scientific invention and progress. Medical knowledge has made great advances. So also with wireless. Had the St. Kildans in 1914 been able to hear the human voice from the mainland and to beguile the long lonely winter evenings with homely Scottish music from Glasgow and Aberdeen, and to receive by relay from London the news and the doings of the Empire or of the whole world, one imagines that there would have been strenuous opposition to the removal of their installation.

(Continued overleaf in column 3.)

A Song of the Fishwives.

The Story of "Caller Herrin'" By A. B. Cooper.

OF the many fine songs which Lady Nairne wrote during her long life, "Caller Herrin'" is, undoubtedly, the most popular on the concert platform, although "The Land o' the Leal" is undoubtedly her masterpiece. "Caller Herrin'" was probably written about the year 1820, and it is a remarkable fact that at this date there were at least three Scottish writers who preferred to write behind the veil of anonymity—the "Great Unknown," Sir Walter Scott; Lady Barnard, the writer of "Auld Robin Gray"; and Lady Nairne herself, who concealed, even from her husband, the fact that she wrote songs.

But while Lady Barnard (perhaps better known under her maiden name of Lady Anne Lindsay) only wrote one song, Lady Nairne wrote eighty-seven, and among them, in addition to the two already mentioned, are such world-known favourites as "Will Ye No Come Back Again?" "The Laird o' Cockpen," "The

CALLER HERRIN'

Wha'll buy my caller herrin'?
They're bonnie fish and balsome
farin':
Wha'll buy my caller herrin'
New drawn frae the Forth?

When ye were sleepin' on your pillows,
Dream'd ye aught o' our puir fellows,
Darkling as they fa'e'd the billows,
A' to fill the woven willows?
Buy my caller herrin'
New drawn frae the Forth.

Wha'll buy my caller herrin'?
They're no brought here without brave
daring:
Buy my caller herrin',
Haul'd through wind and rain.
Wha'll buy my caller herrin'? etc.

Wha'll buy my caller herrin'?
Oh, ye may ca' them vulgar farin',
Wives and mither's maist despairin',
Ca' them lives o' men.
Wha'll buy my caller herrin'? etc.

When the creel o' herrin' passes,
Ladies, clad in silks and laces,
Gather in their braw pelisses,
Cast their heads and screw their faces.
Wha'll buy, etc.

"Auld House," "The Rowan Tree," and "The Hundred Pipers"; yet, such was her extreme modesty, that, though her compositions were enshrined in the hearts of her countrymen, their authorship was concealed until after her death at the age of seventy-nine.

It has been the subject of considerable controversy as to whether Scott borrowed from Lady Nairne, or whether Lady Nairne borrowed from Scott. In Chapter XI. of "The Antiquary," Scott makes the fishwife say:

"Div ye think that my man and my sons are to gae to sea in weather like yestreen . . . and get naething for their fish, and be misca'd into the bargain? It's no fish ye're buying—it's men's lives."

As the novel was issued in 1816, it is almost certain that Scott made the first literary use of these famous words, about fish being "the lives o' men" by reason of the dangers and hazards undergone by the fishermen, and the toll the sea took of them; but it is also unlikely that Lady Nairne took the idea from the novel.

The more likely assumption is that they both got the phrase from the fountain-head—the Edinburgh fishwives themselves, who at that time were notorious for the exorbitant price they asked, when, after long haggling, they usually concluded with the words: "Lord bless ye, mem! It's no fish ye're buying, it's the lives o' honest men!" thinking thus to bring the customer to reason. This phrase, oft-repeated, both Scott and Lady Nairne must have heard many a time.

Her Great Secret.

The song was specially written for the benefit of Nathaniel Gow, of Edinburgh, composer and music-publisher, son of the more celebrated Neil Gow. The manuscript, written in a concealed hand, was conveyed to Gow by a young woman to whom Lady Nairne had confided her "great secret" and who kept it faithfully. The inspiration for the tune came to Gow as he heard the octave chimes of the Tron Church, mingling with the cries of the fishwives up from Newhaven with their silvery wares.

Carolina Oliphant, who in later life became Lady Nairne, was born in the "auld house" at Gask, in 1788. It was a house which clung to the old regime, and "The King over the water" was a standing toast at her ancestral home in her childhood, when the memory of Bonnie Prince Charlie and the '45 was as yesterday.

"Caller Herrin'" will be sung at London Station on Tuesday, February 26th, during the "Women's Hour," by Miss Aileen Crawford.

What's in the Air?

(Continued from the previous page.)

The spread of wireless telephony cannot be without great influence and effect in the most inaccessible parts of the British Isles. It should go far to making happy and contented those whose lot is cast in the remote and lonely places.

* * *

Not so long ago it may have been regarded as a wonderful toy; before that its marvellous utility was the jealous preserve of Governments and naval authorities. It is not so long since "Sparks" (as the wireless operators on board the liners are irreverently called) was a man of mystery to the passenger, charged to preserve a Sphinx-like silence on all matters that concerned the technique of wireless when approached by innocent inquirers. How different to-day when comparative infants can at least discuss the intricacies of reception!

* * *

There is an interesting aftermath of the New Year's address given by Dr. Archibald Fleming. He mentioned the distress in the Western Highlands. A Scottish lady resident in Norway heard of this for the first time when listening to the address relayed from Aberdeen, and she has now sent a cheque for £100. I understand that Dr. Fleming has received several other contributions as a result of his reference.

* * *

The time is at hand when no place in forest, or mountain, or moor shall be too isolated to be linked with the life that is throbbing in the metropolis, and herein, even as we already hear that wireless is helping to solve the domestic problem, it may help the greater one of rural depopulation.

The Life of a Station Director.

By E. Lynch Odhams, Director of the Newcastle Station.

THE life of a Station Director may be divided—as "all Gaul" was divided—into three parts, namely, (1) his official duties as Station Director, (2) his duties as an "Uncle," and (3) his position as a target!

With regard to the first, one may say that the Station Director's work is never finished, for whether he is attending to the considerable correspondence, receiving and sometimes placating callers, preparing programmes, searching for new and reliable talent outside, announcing, and, during the weekly audition, awakening to the brutal facts of life many who are enjoying love's young dream of broadcasting, his hands are pretty full.

Tracing Lost Relations.

Among the various callers must not be forgotten that numerous body who ask for special greetings or appeals. Whether the subject of the appeal be the needs of a local hospital or the tracing of brother Willie, who left his happy home in the year 1832 and was last heard of in Tierra del Fuego, and whose relatives are now seeking his will, these requests are constant and clamant, and must by no means be brushed aside.

When we come to the question of programmes, we are, indeed, on delicate ground; but this point has been so obvious recently that one need not labour it. The objections, perhaps, may be divided into three classes; first, there is the musician class which is impatient of anything but classical compositions; secondly, what we might call the average listener, who likes a little of all sorts; and thirdly, the large class who "cannot away with" the "high-brow" stuff. There is, of course, an extremely vocal,

if not numerous, band of listeners, who, having recently acquired a licence, are extremely jealous of their rights, and demand their fifteen shillings' worth. The reconciling of these claims would test the reputation of Solomon.

One aspect of a Station Director's experience has lately been brought to the fore—that, namely, of the test transmissions to America. This, of course, was primarily an engineer's stunt; but it seemed a pity that the technicians should have all the fun, so one has had recently the inspiring experience on several occasions of turning out of the blankets, and, speaking partly in metaphor, bearing midst the snow and ice a banner with the strange device, "Hail, Columbia!"

When we turn from the official to the avuncular duties, we leave what is undoubtedly work for something not unlike play. Correspondents often express their wonder that the Uncles, who must be tired at that time in the evening, should manage to assume a certain amount of freshness and briskness during the Children's Hour.

"A Noise Like the Hairy Worm."

The fact is, of course, that the complete change of occupation, and the throwing off of the official bonds for a time do result in a very real revival of vitality and spirits. The gusto with which the old familiar songs are sung is by no means always assumed.

Of course, as Uncles, we are set some stiff tasks. One of these at present engaging our attention is the rehearsal and recital of "a noise like a hairy worm." This demand on the part of one of the small nieces has caused more research than most, but there is little doubt that we shall succeed in solving the problem.

Readers' Humour.

Funny Stories Told by Listeners.

In recent issues of *The Radio Times* readers were asked to send accounts of funny things they had seen and heard in connection with wireless. This week we print a further selection, for which payment will be made:

A little boy, aged seven, asked his father the other day what they were going to hear next on the wireless.

"We shall hear a man play the organ," he was told.

"Is he going to play the official organ of the B.B.C., daddy?" asked the little fellow, looking up from the front page of *The Radio Times*.—G. K. FLOWER, Lemington-on-Tyne.

An old woman, on seeing a loud-speaker for the first time, asked what it was.

On being told that it was my brother's loud-speaker, she exclaimed: "I always thought his voice was loud enough!"—L. LAMBE, London, N.

A Bright Lad.

Some boys stood looking at an aerial of the ribbon type, which, being twisted, flashed and quivered in the sun each time the wind blew.

This puzzled the boys very much, until one bright lad was heard to exclaim: "I know what does it! It's the Morse dots and dashes hitting it!"—W. G. SKELPLOX, Frome.

A friend of mine living in a district where oscillating has been very prevalent, was complaining bitterly one evening of the "howling" that constantly interrupted the programme.

His little son, a devotee of the "Children's Hour," was listening intently, when suddenly he piped in with: "Daddy, why doesn't Uncle Craet'us keep the poor doggy quiet?"—W. WATTS, London, W.

Not That Kind of Bath.

The other day, a friend was remarking that he could get wonderful reception from London on a one-valve set while listening in Bath.

Upon hearing this, a little girl who was staying with us, exclaimed!

"Oh, but didn't you get the 'phones wet?"—R. AMON, London, N.

I was listening with a friend recently, when, unfortunately, just as a male vocalist was singing, the cat's-whisker slipped off the crystal.

"Gracious!" cried my friend, "that shows what a powerful voice he must have when the very needle springs off when he takes high notes!"—(Miss) C. DUSCAN, Glasgow.

Windy Music.

It was a very windy day, and the aerial was swaying to and fro. Looking up at it, my little girl said: "Won't the wind make the dance music go quick?"—M. POUNTNEY, Harrow.

One evening, a friend called to see us, and asked to be allowed to listen. We decided to run wires from the set, which is at the back of the house, into the front room. We were just doing this when we found that our supply of wire had given out.

When we told her this, she said: "Never mind! Can't you use string instead?"—G. LITTLE, Bowes Park, N.

I recently assisted a friend to fix up a set and everything proceeded calmly until he commenced to connect the earth lead to the water pipe, when his wife, who had been watching, exclaimed excitedly: "No you don't! I'm not having any of that wireless stuff running into our water!"—G. A. WILLS, ACTON, W.

Official News and Views.

Gossip About the B.B.C.

REGULAR American transmissions to British listeners is no longer a vague and indefinite hope. On Saturday next, the 23rd inst., an attempt will be made to re-transmit a special programme from New York to London. Captain West hopes to pick up America at a place not far from London, relay his reception to London, where it will then be relayed to every Station of the B.B.C. If atmospheric conditions are favourable, and this attempt is successful, even crystal set holders will again be able to hear an American broadcast programme. This will take place between 10.30 p.m. and midnight. The results will largely determine the development of international broadcasting in the immediate future, for, if successful, it is hoped to relay a regular fortnightly transmission from New York.

Arrangements are being made to broadcast a special British programme to American listeners in the early days of March.

The Prime Minister to Broadcast.

Mr. Ramsay MacDonald is to broadcast. On Friday, March 14th, the Annual St. David's Day Banquet of the Cardiff Cymrodon will be held in the City Hall. The principal guests will include the Prime Minister, the Postmaster General, and other distinguished people. The Lord Mayor will propose the health of the Prime Minister, and Mr. Ramsay MacDonald's reply will be simultaneously broadcast.

An interesting innovation in the London programme is a series of Hours with Living British Composers, commencing on Thursday next the 28th inst. Representative selections from the works of Mr. J. B. McEwen will be given by the celebrated Spencer Dyke String Quartette, and Miss Hilda Dederich, the pianist. It is interesting to note that Mr. McEwen was recently appointed to succeed Sir A. C. Mackenzie as principal of the Royal Academy of Music, and it is hoped that he will on this evening superintend the presentation of his works, and possibly say something about them.

It is often assumed that the works of British Composers can rarely compare with those of Continental schools. This series may result in an increased number of people discovering that modern British music will, at least, hold its own when compared with the modern works of any other country. The second concert of this series on the 13th March will deal with the works of Mr. John Ireland, who will himself on this occasion play some of them on the piano.

Poet and Elocutionist.

Another item of news that will please listeners is that Mr. John Drinkwater has consented to read a selection of his poems from the London Station on the 6th March. Only those who have heard Mr. Drinkwater read poetry can realise fully the pleasure that this reading will give. This, too, is the first of a series of readings to be given fortnightly by British Poets.

Lovers of the "Old Vic" will be pleased to learn that on the 8th March Acts II. and III. of *Carmen* will be broadcast from the "Old Vic" at 8.25 p.m.

The King and Prince to Broadcast.

A suggestion has been made and is now being considered, that at the opening of the British Empire Exhibition the King's speech should be

broadcast at least to this country, and, if possible, to the Empire.

At the time of going to press we cannot say more than announce our hopes that shortly listeners will have an opportunity of hearing H.R.H. the Prince of Wales broadcast some interesting facts in connection with the forthcoming Empire Exhibition to be opened during the summer.

Broadcasting Church Services.

The success of the recent broadcast of the full Church Service from St. Martin-in-the-Fields, London, resulted in the consideration of a suggestion that these transmissions should be a regular part of our Programme. Through the courtesy and co-operation of the vicar, the Rev. H. R. L. Sheppard, it is hoped, from the second Sunday in April next, that this can be done. The proposal, which it is hoped will be agreed to, is that undenominational services, beginning at 8.15 p.m., shall be broadcast. This will mean that, in addition to sermons by Ministers of the Church of England, services by Nonconformist Ministers will also be given.

It is hoped that these transmissions from London will take place during the second Sunday of each month.

Provincial Stations are also attempting to arrange the broadcasting of full Church services, and at an early date it is hoped to announce that two stations per week will broadcast a full Sunday service.

New Scottish Controller.

The appointment of Mr. D. Millar Craig to the Staff of the B.B.C. brings another interesting personality in intimate touch with its work. Mr. Craig is now the Scottish Controller of the Company, and his duties will be to co-ordinate the work of the Glasgow and Aberdeen Stations and the new relay station which will shortly be erected in Edinburgh. He is well-known in Edinburgh and has a wide knowledge of musical and educational affairs, and is the brother of the Legal Secretary to the Lord Advocate.

The son of Mr. J. Millar Craig, who was for some twenty years conductor of the Glasgow Select Choir, he was educated at Edinburgh University and was for three and a half years in the Leipzig Conservatoire of Music, the diploma of which Institution he has held for some time. He has been writing the analytical notes for the Scottish Orchestral Concerts in Glasgow and Edinburgh. During the war he was a captain in the 5th Royal Scots and was gassed and wounded. One of his most interesting duties at the Front was when he undertook the work of Officer-Commanding in charge of the Literature Propaganda by paper balloons. This had a marked effect on the enemy's morale in the latter stages of the war.

Test Your Sets.

Experimenters sometimes complain of the difficulty of cutting out 2LO. We wonder whether it is generally realised that every Wednesday evening one station carries on for half-an-hour after the general close-down? Each station takes this extension in turn, so that those who wish to test their sets should notice the close-down hour of each station every Wednesday. This information can be obtained by glancing at our programme pages.

PEOPLE IN THE PROGRAMMES

GOSSIP ABOUT
ARTISTES & OTHERS

A Confusion of Names.



MISS CONSTANCE GAUL.

A FAVOURITE artiste at Aberdeen is Miss Constance Gaul, contralto. Miss Gaul told me an amusing wireless story the other day. A farmer in the north of Scotland bought a valve set which was the marvel of the surrounding district. The yokels could not understand how a box lighted up with two lamps could enable them to hear speech and music.

One evening the farmer invited a small crowd to listen, and switched on to Paris to receive a concert programme. His unsophisticated guests were amazed, and went home literally flabbergasted.

The next day, one of them was asked by a friend what he thought of the performance.

"My! It was wonderful!" he replied. "I have been hearing the songs and music from *Paradise*!"

Audience of a Million.

LIEUTENANT ARTHUR E. SPRY, who talks on sea subjects from the Birmingham Station, is the Organizing Secretary for the Midlands of the British and Foreign Sailors' Society, the organization which does so much for British sailors all the world over. He is well known as a lecturer on naval subjects, and it is estimated that more than a million people have attended his lecture on "The Battle of Jutland."

Being invalided to shore service in 1917, Lieutenant Spry was selected by the Admiralty to take charge of a special naval recruiting mission to Ireland, and in a few months was successful in securing thousands of Irish volunteers for the Senior Service.

Among the men accepted were some whose knowledge of ships was somewhat limited, and Lieutenant Spry relates the story of one recruit who, on being sent to join a trawler, went up to the skipper and said: "If you please, sir, would you mind telling me which end of the ship do I sleep in—the thick end or the thin end?"

He Was Going to Pay.



MR. LEE DIXON.

THE well-known Newcastle elocutionist, Mr. Lee Dixon, is very fond of telling theatrical stories, and one of his best is the following. A certain performance of *Hamlet* was so poor that it called forth frequent unpleasant interruptions from the audience. It was noticed, however, that one man's behaviour was most exemplary; so much so, in fact, that his neighbour in the stalls asked him if he did not think that the play was being utterly ruined by the terrible acting.

"Yes," he replied, decisively.

"Then why on earth don't you show your disapproval?"

"Well," returned the other, "the fact of the matter is, I came in here with a free pass and I don't feel justified in interrupting the proceedings; but if it gets much worse, I'll go outside and pay!"

Kicked His Beard Off.

MR. JOHN MACTAGGART, who sings at Glasgow, relates an embarrassing experience that once befell him on the stage.

"I was appearing as Captain Tekeli in *Paul Jones*," he says. "The captain arrives from a boat and comes on to the stage as from a pier or quay, and we rehearsed this by coming up from under the stage through an opening. Two sailors accompanied me, who went up the ladder and stood at attention till I arrived. It was not considered very satisfactory, as it could not be worked quickly enough to fit in with the music, so, instead of this entry, it was arranged that we should crawl along the stage to the centre (out of sight of the audience, of course) and then get up and step on to the quay.

"One night, as we were crawling along, one of the sailors, unfortunately, got his foot against my face and dislodged my small imperial beard, which I adjusted as hastily as I could under very bent-up circumstances. As bad luck would have it, I had fixed it back all awry, and, of course, when I appeared the audience enjoyed the joke better than I did, as I could not imagine what they were laughing at until after I had made my exit."

Going, Going, Gone!



MR. PHILIP WILSON.

A POPULAR feature of the London programmes is the talks on old English music by Mr. Philip Wilson. He has specialized in this kind of music for years, and, with Mr. Peter Warlock, has edited a number of old English airs and compositions. Mr. Wilson has travelled a good deal, and he relates an amusing, though embarrassing, experience that he once had in Ceylon.

"I was in Colombo," he says, "on my way home from Australia, with my wife and some friends. One day, we hired rickshaws to go to the Galle Face for lunch. I admit I never pretended to be a fairy, and before we had travelled very far my wife said to me: 'You are going!' A little further on she said again: 'You are going!' 'Yes, I know I am,' I answered. 'We are all going to the Galle Face for lunch.'

"The words were hardly out of my mouth when I found myself deposited in the road—the rotten rickshaw having given way. I was immediately surrounded by a crowd of coolies, amongst whom was the owner of the broken rickshaw, who demanded payment for the damage done; but getting hold of a passing policeman, I left him to settle the dispute, and went on my way to luncheon."

Deceived by Wigs.

MME. LILLIAN COBURN, of Newcastle Station, tells me that she was once appearing at a music-hall in Scotland dressed in old English costume with a panniered dress and a white wig appropriate to the period.

"I and a partner, similarly attired," she says, "had finished the duet and were bowing our acknowledgments from the stage when an awed remark from a woman in the audience rose above the clamour: 'My! but aren't they clever, and both old women, too!'

"She evidently thought that our white wigs were natural hair!"

A Bright Youth.



MR. KENNETH SHEPHERD.

MR. KELINTON SHEPHERD, whose bass-baritone voice is much appreciated by Manchester listeners, tells me an amusing school story. A mistress was trying to impress upon her little pupils the importance of doing right, and, hoping to bring out the answer, "Bad habits," she inquired: "What do we find so easy to get into and so hard to get out of?"

There was silence for a moment, and then one bright youth put up his hand.

"I know, teacher," he answered; "bed!"

Insult to Injury.

AN entertainer of note at London Station is Mr. Jack Rickards. During his public career he has had many amusing experiences, and he relates that on one occasion at least he came very near to "drying up" while on the stage.

"I was appearing with a concert party at Bath," he tells me, "and we had a *matinée* which nobody wanted. The public didn't want it, and I'm sure that we didn't. However, we had to go through with it. It was a very hot afternoon and about eighteen people turned up and—slept through it."

"Under these conditions, the programme was got through very quickly, and when it came to my turn, I had to 'pad' to make up the time. There I stood, pattering away, and telling every joke I could think of without obtaining even a smile."

"After about fifteen minutes of this, an old woman with an ear-trumpet, in the front row, turned to a nurse at her side and said, in a loud voice: 'This must be one of the comedians!'"

"Our pianist," adds Mr. Rickards, "gave me a sustained chord on the piano for my exit!"

Her Share.



MISS ETHEL GOODE.

MISS ETHEL GOODE, who sings at Bournemouth, once had a pretty compliment paid to her when appearing at the Kursaal, at Lucerne. At the end of the concert a woman member of the audience approached her and presented her with a silver handbag, saying that she had enjoyed Miss Goode's singing so much that she felt she must give her a little present.

Miss Goode tells a good story about a little boy whose mother remonstrated with him for being greedy.

"Why didn't you share your peach with your sister?" she asked him.

"I gave her the stone," replied the boy, "and if she plants it, she can have the whole tree."

Capt. Ian Fraser, Chairman of St. Dunstan's, acknowledges with thanks eleven anonymous donations from various parts of the country, sent in response to his recent Appeal from 2LO. Listeners will be glad to know that many hundreds of donations and collections have already been received.

Reynard at Home.

A Talk from London, by E. Kay Robinson.

A LITTLE boy and his mother were going home together, when he said suddenly : " Mummy, I saw a rabbit run across the drive."

" Nonsense, dear," she said. " It must have been imagination."

" But, mummy," he went on, " have 'minations white tails?"

I tell you this story in connection with the fox because, as a matter of fact, the imagination of the fox does play a great part in the use of the rabbit's white tail-piece. It is no use against a man with a gun; because he, looking down at a bolting rabbit from his height of five or six feet, can see all the time that it is a greyish-brown animal with a white tail; but if a man's eyes were as near to the ground as a fox's are, and a rabbit were suddenly to get up and bolt in front of him, he would only see the patch of white and would dash in pursuit of that, as the fox does, imagining that the bolting creature was white. Then, just as he was on the point of overtaking it, the rabbit would play its special trick—a sharp right-angled turn while going at full speed.

The Rabbit's Vanishing Trick.

This is where the life-saving value of a rabbit's long hind-legs comes in. It just kicks itself round, as it were, and in an instant the white has vanished, and the fox wastes a second or two looking for it before he catches sight of the brown rabbit bolting in a new direction. That fraction of time that the fox wastes is all that the bunny needs, as a rule, to get safely on the way to its burrow.

Sometimes you may see an excited young fox in a rabbit warren chasing one rabbit after another and always being sold by this vanishing trick at the critical moment. It is one of Nature's commonest and most successful devices thus to protect by a sudden change of colour many kinds of birds, insects, and fishes, as well as such animals as rabbits, deer, and antelopes; and I have only explained it now because natural history books never tell us why the rabbit has a white tail-piece.

Nature's Safeguards.

Neither do they tell us why the fox himself has a small white tip to his tail, nor why the backs of his ears are black. What is the advantage? What does the fox gain by them?

Other beasts of prey have conspicuous tips to their tails and conspicuous colouring on the backs of their ears. The grey wild cat and the ruddy stoat both have jet-black tips to their tails; and the back of the leopard's or tiger's ear has a large white spot on it, and the lion's has a wide stripe of black, and so on. So these markings on ear and tail are evidently useful to beasts of prey in general; and if you watch your own tame cat when she is stalking sparrows, you can see at once what the use is.

A Lesson from the Cat.

She is very clever at taking cover in the shortest herbage; and, as she creeps towards the sparrow, very often her two pricked-up ears are all that you or the sparrows can see of her. So, when the leopard stalks wild peacocks, or the fox stalks pheasants, the tips of their pricked-up ears are often all that can be seen, and, because these are quite differently coloured from the rest of the animals, they do not excite suspicion. Of course, our tame cats may be any sort of colour ears and all; but they have not to hunt for a living. If they had, Nature would soon see to it that their ears were properly camouflaged.

And the easiest way to discover why the fox has a conspicuous tip to its tail is to watch

The Fox and its Habits.

the tame cat again. Everyone must have noticed how, when a cat has got within springing distance of a bird and just before she springs, the tip of her tail curls to one side and gives a curious little quiver. That is the critical moment—because if the bird should look up and catch sight of the cat, it would fly just in time; but if only the quivering tip of the tail catches the bird's eye instead, it looks at that for a second to see what it is, and that second gives the cat time to spring.

Black Against White.

A fox stalks birds in exactly the same way; so we see that it is to catch its victim's eye at the critical moment that Nature has given the fox a white tip to its tail. And it is very interesting in this connection that the arctic fox, which is all white in winter for concealment against a background of snow, should often have a conspicuous black tip to its tail; for, of course, the black tip on a white animal serves exactly the same purpose as the white tip on a red one.

Now, the natural history books do not even tell us that the reason why foxes are reddish-coloured is because they spend their hunting lives on the ruddy carpet of dead leaves in the woodland, where they are almost invisible when they crouch.

The uniform ruddy colouring of our woodland animals does not prevent them from being very beautiful. I doubt whether you will find anywhere in the world a prettier sight than you may have the luck to see in an English wood, should you chance to come quietly upon a family of furry-tailed fox cubs playing with their mother in summer.

Shifting Eyes.

When the family is thus together, you easily notice one marked peculiarity of foxes, that they are perpetually shifting their eyes so that no two of them ever seem looking in the same direction. This, no doubt, immensely increases their chances of success in their outlaw life, because it guarantees their safety even when, as cubs, they are playing together in nursery days. Perhaps it partly explains, too, how so mischievous a beast of prey as the fox is able to hold its own and multiply, in spite of man.

Its living is made easier, of course, by its omnivorous tastes. It will eat anything that has life and that it is able to kill—from worms and beetles to small birds and game, rabbits and poultry, even to cats or the lambs that are the special prey of the so-called "greyhound foxes" of the north.

Enemies at Play.

Yet there is a soft side even to the fox's character. I was seated one day on the summit of a hill in the Cotswolds overlooking a sloping green landscape divided by stone walls into squares where sheep and lambs were kept. There is always a hole left in one of the walls for the shepherd to send his dog through; and in one field, where weaned lambs were by themselves, I saw all the lambs standing in a semicircle before this hole.

Presently, they all suddenly retreated backwards, and I saw that a fox had come through. Like a playful puppy, with his tail in a curve, he scampered all round the semicircle of lambs several times and then bolted back to the hole; whereupon, all the lambs ran forward as if they were driving him out. He repeated the performance over and over again; and I am sure that both he and the lambs enjoyed the game immensely.

Can you complete this Limerick?

*There was once a husband at Lee,
Who regarded the wireless with glee.
Said he with a grin,
"Now my wife listens-in,*

**A LAST LINE MAY
BRING YOU
£200**

Making a last line to a limerick is one of the most fascinating of all pastimes. Nothing could be simpler. All you do is to read the four lines of the limerick printed above and add a fifth to rhyme with the word "glee" at the end of the second line. For instance, here is an example:

**"I'm off like a shot
on the spree."**

FOR FURTHER PARTICULARS
OF THIS SIMPLE COMPETITION
SEE NEXT WEEK'S

**LONDON
OPINION**

On sale everywhere to-morrow, 2d., or post free 3d., from the Publishers, GEORGE NEWNES, LTD., 8-11, Southampton Street, Strand, W.C.2.

You don't need an accumulator—



BY USING WECOVALVES OR
WECONOMY SETS YOU CAN
DISPENSE WITH ACCUMULATORS

AND

USE DRY BATTERIES

The combination illustrated above consists of:
*Weconomy Detector Set No. 44,081,
with two valves and coil sockets . . . £16-0-0*

*Weconomy Power Amplifier No.
44,013, with three valves . . . £19-0-0*

*Loud Speaker No. 44,005, a powerful
model of medium size with non-
metallic diaphragm and curved
non-metallic horn . . . £5-17-6
(B.B.C. CONTRIBUTIONS EXTRA.)*

SUITABLE FOR RECEPTION OF
ALL B.B.C. STATIONS WITHIN A
WIDE RADIUS AND SUFFICIENTLY
POWERFUL TO FILL A LARGE
RECEPTION ROOM

HERE we have the Weconomy Power Amplifier No. 44013, shown above on the left of the Detector Set, with three valves giving two stages of amplification. The design ensures considerably greater power output than is obtained from an ordinary two stage amplifier, and a rotary switch is fitted which enables the degree of amplification to be regulated.

The amplifier operates off dry batteries and thus accumulators, with their attendant trouble and expense, can be dispensed with.

It will operate the Western Electric Loud Speaker No. 44,005, powerful enough to fill any large reception room, with either Crystal or Valve Detector, and the results are perfect and exceptionally free from distortion.

Western Electric

MAKERS OF OVER HALF THE WORLD'S TELEPHONES

WIRELESS PROGRAMME—SUNDAY (Feb. 24th.)

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

LONDON.

5.0.5.0.—THE BAND OF H.M. GREENADIER GUARDS.
S.B. to all Stations.
(By Permission of Col. B. N. Sergison Brooke, C.M.G., D.S.O.)

Director of Music:

LIEUT. G. MILLER, I.R.A.M.
Grand March, "Le Prophète" Meyerbeer
Fantasia, "Trafalgar" G. Miller
MARGUERITE DAVIS (Soprano).
"Daffodils" Cyril Scott
"The Unforeseen" Cyril Scott
"Don't Come in Sir, Please" (4)
SIDNEY HARRISON (Solo Piano).
"The Sea" Patmagon
"Jack o' Lantern" Sidney Harrison
"Si oiseau j'étais" Henzell
EDITH LAKE (Solo Cello).
Sonata De Fesch
Sicilienne, Allemanda, Arietta, Menuet.
The Band.

Overture, "The Bohemian Girl" Balfe
Barcarolle (By Request) Offenbach
Selection of Sir H. Bishop's Songs.

Marguerite Davis.

"Spring is at the Door" Roger Quilter (4)
"Over the Land is April" Roger Quilter (4)
"Bluebells From the Clearings" Ernest Walker (4)

Sidney Harrison.

Rhapsodie Hongroise, No. 12 Liszt
Edith Lake.

"The Londonderry Air" (By Request)

arr. Tertis

"Cradle Song" D'Albert
The Band.

Selection of Students' Songs.
Selection, "The Merry Widow" Léhar

Announcer: R. F. Palmer.

5.0.5.30.—CHILDREN'S CORNER, arranged by A. R. Burrows. *S.B. to all Stations.*

SUNDAY EVENING.

8.30.—TIME SIGNAL FROM BIG BEN.
Hymn, "Hail to the Lord's Anointed" (A. and M. 219).

THE REV. F. R. BARRY, M.A., of King's College: Address.

Hymn, "Love Divine" (A. and M. 520).
Anthem, "The Radiant Morn" Woodward

"2LO" LIGHT ORCHESTRA.

Miniature Suite Coates (1)

1. Children's Dance; 2. Intermezzo; 3. Valse.
JOHN COLLETT (Tenor).

"Where'er You Walk" Handel (11)

"Come Into the Garden, Maud" Balfe (1)

"2LO" Light Orchestra.

Song, "Still as the Night" Bohm
(Solo Cornet: Charles Leggett.)

Movement from the Concerto for two Violins and Orchestra Bach
(1st Violin, S. Knase Kelley; 2nd Violin, E. Rutledge.)

Quartette.

"Weep, O Mine Eyes" Bennett
"In England, Merrie England" German

"2LO" Light Orchestra.

"Lo! Hear the Gentle Lark" Bishop
(Solo Flute, F. Almgill; Solo Clarinet, E. Thurston.)

John Collett.

"An Evening Song" Blumenthal
"I'll Sing Thee Songs of Araby" Clay

10.0.—TIME SIGNAL FROM GREENWICH, AND GENERAL NEWS BULLETIN. *S.B. to all Stations except Cardiff.*

Local News and Weather Forecast.

10.15. "2LO" Light Orchestra.

Fantasia, "La Traviata" Verdi
Rustic Dance Monkton

Announcer: A. R. Burrows.

BIRMINGHAM.

3.0.5.0.—CONCERT. *S.B. from London.*
5.0.5.30.—CHILDREN'S CORNER. *S.B. from London.*

8.30. STATION REPERTORY CHORUS.
Hymn, "Saviour, Blessed Saviour" (A. and M. 305).

THE REV. TISSINGTON TATLOW, of the Students' Christian Mission: Religious Address.

Schubert Programme (1797-1828).

Station Repertory Chorus.
Anthem, "The Lord is My Shepherd" ... (2)

EMILY BROUGHTON (Soprano).

"Ave Maria" (1)

HAROLD CASEY (Baritone).

"The Wanderer" (1)

9.10. STATION ORCHESTRA.

Under the Direction of Joseph Lewis.
Overture, "Rosamunde."

Symphony, "The Unfinished."

Ballet Music, from "Rosamunde."

March, "Militaire."

10.0.—NEWS. *S.B. from London.*

Local News and Weather Forecast.

10.15.—Close down.

Announcer: Percy Edgar.

BOURNEMOUTH.

3.0.5.0.—CONCERT. *S.B. from London.*
5.0.5.30.—CHILDREN'S CORNER. *S.B. from London.*

8.30. REGINALD S. MOUAT (Solo Violin).
Andante from Violin Concerto Mendelssohn

8.40. THE "6BM" CHORUS.

Hymn, "O God, Our Help in Ages Past" (A. and M. 165).

8.45.—THE RIGHT REV. THE LORD BISHOP OF WINCHESTER, M.A., D.D.: Religious Address. *S.B. to other Stations.*

9.0. "ELIJAH" (Mendelssohn).
Part II.

KATHLEEN DANCE (Contralto). The Angel MARY JEFFERIES (Soprano). An Angel HAROLD STROUD (Tenor). Obadiah ARTHUR J. ENGLAND (Baritone). Elijah THE BOURNEMOUTH WIRELESS ORCHESTRA.

THE "6BM" CHORUS.

Under the Direction of CAPT. W. A. FEATHERSTONE. Introduction, "Elijah."

Overture, "Elijah."

Chorus, "Be Not Afraid."

Elijah: Recit., "The Lord Hath Exalted Thee."

Obadiah: Recit., "Man of God."

Elijah: Air, "It is Enough."

Angels: Trio, "Lift Thine Eyes."

Chorus, "He is Watching Over Israel."

The Angel: Recit., "Arise, Elijah."

The Angel: Air, "O Rest in the Lord."

Chorus, "He That Shall Endure to the End."

The Angel and Elijah: Recit., "Night Falldeth Round Me."

Chorus, "Behold! God the Lord."

Recit. and Chorus, "Holy, Holy, Holy."

Elijah: Recit., "For the Mountains Shall Depart."

Obadiah: Air, "Then Shall the Righteous Shine Forth."

Quartette, "O Come Everyone that Thirsteth."

Chorus, "And Then Shall Your Light."

CHAPPELL

WEBER

BROADWOOD

STEINWAY

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

10.0.—NEWS. *S.B. from London.*

Local News and Weather Forecast.

10.15.—Close down.

Announcer: Bertram Fryer.

CARDIFF.

3.0.5.0.—CONCERT. *S.B. from London.*

5.0.5.30.—CHILDREN'S CORNER. *S.B. from London.*

8.10. "SCOUTS' OWN,"

by the

Cardiff County Boy Scouts' Association, Singers and Players Branch.

Morning Litany.

The Scouts' Hymn.

The Laws of the Scout.

The Scouts' Song.

THE REV. J. HENRY THOMAS, Troop Chaplain to the 23rd Cardiff: Religious Address.

Hymn, "Be Prepared."

The Scout Promise.

Evening Litany and Scouts' Vespers.

Symphony Concert.

8.30. BEETHOVEN NIGHT VIII.

STATION SYMPHONY ORCHESTRA.

Conductor: Oliver Raymond.

I. Turkish March.

II. Allegretto in E Flat ("Gratulations Minuet").

III. "Mr. Everyman" on the 5th Symphony.

IV. Symphony No. 5 in C Minor—

(a) Allegro con brio; (b) Andante con moto;

(c) Allegro; (d) Allegro.

The National Anthem.

NEWS.

10.20.—Close down.

Announcer: A. Corbett Smith.

MANCHESTER.

3.0.5.0.—CONCERT. *S.B. from London.*

5.0.5.30.—CHILDREN'S CORNER. *S.B. from London.*

8.10.—SIDNEY G. HONEY: Talk to Young People.

8.30.—Hymn, "Rock of Ages" (A. and M. 184).

8.35.—THE REV. J. A. REARDON, of St. Patrick's Church: Religious Address.

8.50.—Hymn, "Hark, My Soul" (A. and M. 260).

8.55.—GEORGE W. GAYTHORPE (Solo Piano). Prelude and Fugue in F. Minor Bach (No. 12, Book 2 of the 48.)

MADAME JENNIE EILY (Contralto).

"A Woman's Last Word" Bartók

ALFRED B. BEHAN (Solo Violin).

"Idylle" Emo

"Andantino" Lemare

Madame Jennie Eily.

"Evening Boat Song" Schubert

George W. Gaythorpe.

Valse in D Flat, Op. 69, No. 1 Chopin

Madame Jennie Eily.

"Chant My Lay" Gipsy Songs Drorak

Taught Me" Alfred B. Behan and George W. Gaythorpe.

Concerto in A Major, 1st Movement Mozart (Cadenza by Joachim.)

Madame Jenny Eily.

"Hame" H. Walford Davies

George W. Gaythorpe.

"Moonlight Sonata" Beethoven

Madame Jenny Eily.

"Father of Heaven" ("Judas") Handel

10.0.—NEWS. *S.B. from London.*

Local News and Weather Forecast.

10.10. Alfred B. Behan.

"Cavatina" Hoff

"Andante" Goldmark

George W. Gaythorpe.

The Story of Wireless is the Story of Marconi

VI

That the time would ever come when the commerce of the whole world would depend so much upon long-distance Wireless must have seemed an extravagant fantasy in 1902, the year of the first trans-Atlantic Marconigram.

Hardly a generation has elapsed ; but where would the man of business be to-day without the facilities for rapid and reliable communication afforded by the world-wide Marconi Services ?

The world's debt to Marconi grows apace. After the Marconigram comes the Marconiphone, the unchallenged leader in the latest and most popular development of Wireless — Broadcasting. The Marconiphone is the receiver on which you can always rely implicitly, because it embodies everything for which the name Marconi stands in Wireless.

The Marconiphone

The Triumph of the Master Mind



Ask your dealer for full particulars of the various Marconiphone models.
In case of difficulty apply to :—

MARCONI'S WIRELESS TELEGRAPH Co., Ltd
Marconiphone Dept., Marconi House, Strand, W.C.2.

Principality Buildings, Queen Street, CARDIFF ; 101 St. Vincent Street, GLASGOW ; 10 Cumberland Street, Deansgate, MANCHESTER ; 38 Northumberland Street, NEWCASTLE - ON - TYNE.

WIRELESS PROGRAMME—MONDAY (Feb. 25th.)

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

LONDON.

3.30-4.30.—TIME SIGNAL FROM GREENWICH. Concert: The Wireless Trio and Roshdon Odell (Baritone).

5.0.—WOMEN'S HOUR: "Learn to Look, and Look to Learn," by Yvonne Cloud. The Wireless Trio.

5.30.—CHILDREN'S STORIES: "Sabo and the Chrysalis," by E. W. Lewis. "Treasure Island," by Robert Louis Stevenson, Chap. 2, Pt. 1.

6.15.—Boys' Brigade News.

6.25-7.0.—Interval.

7.0.—TIME SIGNAL FROM BIG BEN, AND 1ST GENERAL NEWS BULLETIN. S.B. to all Stations.

JOHN STRACHEY (the B.B.C. Literary Critic): "Weekly Book Talk." S.B. to all Stations.

Local News and Weather Forecast.

Operatic Evening.

S.B. to all Stations.

"THE TALES OF HOFFMANN" (Offenbach).

Produced and Conducted by

L. STANTON JEFFERIES.

Cast:

Hoffmann—A Poet	JOHN PERRY
Cochenille	
Pittichinaccio	
Niklaus, Hoffmann's Friend	CONSTANCE WILLIS
Giglietta, A Voice	MAY BLYTH
Olympia { Ladies whom Antonia { the Post loved }	GERTRUDE JOHNSON
Spalanzani	JOSEPH FARRINGTON
Crespel	
Coppelia	KINGSLEY LARK
Dapertutto	
Miracle	

THE AUGMENTED WIRELESS ORCHESTRA.

7.30.—Acts I. and II.

9.15.—SIR RICHARD T. GLAZEBROOK, K.C.B., D.Sc., etc., on "The Founders of Wireless."

9.30.—TIME SIGNAL FROM GREENWICH, AND 2ND GENERAL NEWS BULLETIN. S.B. to all Stations.

Local News and Weather Forecast.

9.45.—"The Tales of Hoffmann," Act III.

10.30 (Approx.).—Close down.

Announcer: R. E. Palmer.

BIRMINGHAM.

3.30-4.30.—Lozells Picture House Orchestra, Director, Paul Rimmer Sam Horton (Tenor), Sylvia Taylor and Mary Fisher (Pianoforte Duets).

5.0.—WOMEN'S CORNER: Sidney Rodgers, "Horticultural Hints."

5.30.—Agricultural Weather Forecast.

KIDDIES' CORNER.

6.30.—"Teens' Corner."

7.0.—NEWS. S.B. from London. JOHN STRACHEY. S.B. from London. Local News and Weather Forecast.

7.30.—"Tales of Hoffmann." S.B. from London.

9.30.—NEWS. S.B. from London.

9.45.—Programme (Contd.). S.B. from London. Announcer: H. Cecil Pearson.

BOURNEMOUTH.

3.45.—The "6BM" Trio, Reginald S. Monat (Solo Violin), Thomas E. Illingworth (Solo Cello).

4.45.—WOMEN'S HOUR.

5.15.—KIDDIES' HOUR.

6.0.—Boys' Brigade News.

6.15.—Scholars' Half-Hour: G. Guest, B.A., J.P., "The Bad Old Times."

7.0.—NEWS. S.B. from London. JOHN STRACHEY. S.B. from London.

Local News and Weather Forecast.

7.30.—"Tales of Hoffmann." S.B. from London.

9.30.—NEWS. S.B. from London.

Local News and Weather Forecast.

9.45.—Programme (Contd.). S.B. from London. Announcer: W. R. Keene.

CARDIFF.

5.0.—"5WA'S" "FIVE O'CLOCKS." "Mr. Everyman," Talks to Women, Vocal and Instrumental Artistes, the Station Orchestra, Weather Forecast.

5.45.—THE HOUR OF THE "KIDDIE-WINKS."

7.0.—NEWS. S.B. from London. JOHN STRACHEY. S.B. from London.

Local News.

7.30.—"Tales of Hoffmann." S.B. from London.

9.30.—NEWS. S.B. from London.

Local News and Weather Forecast.

9.45.—Programme (Contd.). S.B. from London. Announcer: W. N. Settle.

MANCHESTER.

3.30-4.30.—Concert, The "2ZY" Trio.*

5.0.—WOMEN'S HOUR.

5.20.—Farmers' Weather Forecast.

5.25.—CHILDREN'S HOUR.

6.35.—Boys' Brigade News.

6.40.—FRANCIS J. STAFFORD, M.A., M.Ed., French Talk.

7.0.—NEWS. S.B. from London. JOHN STRACHEY. S.B. from London. Local News and Weather Forecast.

7.30.—"Tales of Hoffmann." S.B. from London.

9.30.—NEWS. S.B. from London.

Local News and Weather Forecast.

9.45.—Programme (Contd.). S.B. from London.

10.30.—Close down.

Announcer: Sidney G. Honey.

NEWCASTLE.

3.45.—Concert: The Clay Page Trio: Hetty Page (Solo Cello), Ethel Page (Solo Piano), Tom Clay (Solo Violin).

4.45.—WOMEN'S HOUR.

5.15.—CHILDREN'S HOUR.

6.0.—Scholars' Half-Hour: Mr. A. Rae, M.A., on "Sound."

6.30.—Boys' Brigade News.

6.45.—Farmers' Corner.

7.0.—NEWS. S.B. from London. JOHN STRACHEY. S.B. from London.

Local News and Weather Forecast.

7.30.—"Tales of Hoffmann." S.B. from London.

9.30.—NEWS. S.B. from London.

Local News and Weather Forecast.

9.45.—Programme (Contd.). S.B. from London.

10.30.—Close down.

Announcer: R. C. Pratt.

WAVE-LENGTHS AND CALL SIGNS.

LONDON (2LO)	- -	365 Metres
ABERDEEN (2BD)	-	495 "
BIRMINGHAM (5IT)	-	475 "
BOURNEMOUTH (6BM)	385	"
CARDIFF (5WA)	- -	353 "
GLASGOW (5SC)	- -	420 "
MANCHESTER (2ZY)	-	375 "
NEWCASTLE (5NO)	-	400 "
SHEFFIELD (6SL)	- -	303 "

EVENTS OF THE WEEK.

SUNDAY, FEBRUARY 24th.

LONDON, 3.0.—Band of H.M. Grenadier Guards. S.B. to all Stations.

CARDIFF, 8.0.—Symphony Concert, Beethoven Night VIII.

BOURNEMOUTH, 8.45.—The Rt. Rev. The Lord Bishop of Winchester, M.A., D.D., S.B. to Aberdeen and Glasgow.

GLASGOW, 9.0.—Recital of Old Scottish Psalm Tunes.

BOURNEMOUTH, 9.0.—"Elijah," Part II.

MONDAY, FEBRUARY 25th.

LONDON, 7.30.—"Tales of Hoffmann." S.B. to all Stations.

CARDIFF, 7.30.—Shakespeare Night XI.

BOURNEMOUTH, 7.30.—Popular Night.

TUESDAY, FEBRUARY 26th.

BIRMINGHAM AND GLASGOW, 7.30.—Classical Programmes.

BOURNEMOUTH, 8.0.—"Pictures" Night.

THURSDAY, FEBRUARY 28th.

BIRMINGHAM, 7.35.—Popular Classical Programme.

MANCHESTER, 7.45.—An Evening of Plays.

LONDON, 8.45.—John B. McEwen Programme.

FRIDAY, FEBRUARY 29th.

BOURNEMOUTH, 8.0.—Gowned Night.

CARDIFF, 8.15.—Choral Night.

GLASGOW, 8.15.—Play, "A Leap Year Comedy."

ABERDEEN, 8.25 and 10.—Plays, "Bonnie Dundee," and "Between the Soup and the Savoury."

SATURDAY, MARCH 1st.

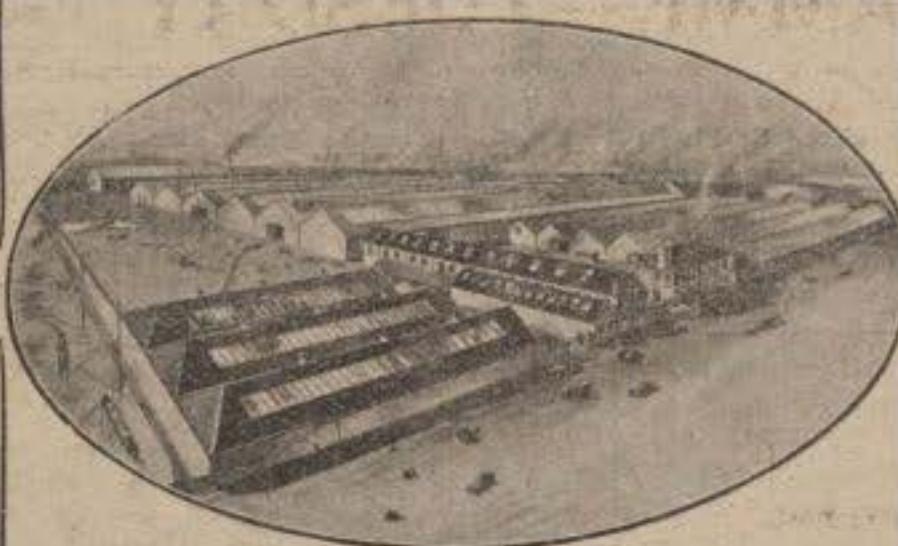
ABERDEEN, 7.20.—Students' Night.

GLASGOW, 7.25.—Popular Night.

CARDIFF, 7.30.—St. David's Day Programme. S.B. to London and Birmingham.

MANCHESTER, 7.45.—Popular Symphony Concert.

BOURNEMOUTH, 8.0.—Welsh Night.



The Home of A.J.S. Wireless Sets.

WILL our numerous agents and customers please note that owing to the phenomenal demand for A.J.S. Wireless Receivers, we have been compelled to transfer from Graiseley Hill Works to the above commodious factory in Walsall Street, Wolverhampton, to which all orders and correspondence should now be addressed.

TWO, THREE &
FOUR-VALVE



WIRELESS
RECEIVERS.

Manufactured by

Telegraphic
Address:
"Reception,
Wolverhampton"

A. J. STEVENS & CO. (1914), LTD.,
WALSALL STREET, WOLVERHAMPTON.

Telephone:
1550
(3 lines).

HAZEL Boots

With BLACK CREPE RUBBER SOLES

Black right through—not edges and bottoms only.

No. 77—Best Box Calf
(Also in Shoe, No. 108).

29 6

The Black Crepe Rubber Sole of this boot renders it very suitable for everyday wear and is resilient and comfortable. With Patented "MANKIND" Heel of cushioned leather to prevent slipping.



Estd.
1879

CRICK & Co.

LONDON RETAIL BRANCHES:

328, High Holborn, W.C. 1 (near Gray's Inn Road).
15 Broad Street Place, E.C. 2 (near Liverpool Street Station).
29, Queen Victoria Street, E.C. 4 (near Bank of England and Mansion House).

Wholesale at
HAZELWOOD, NORTHAMPTON,
197, High Street, Kettering, W. 8.
65-66, Chancery Lane, W.C. 1 (near
Tube Station).
80a, Rye Lane, Peckham, S.E. 15.
49, St. John's Road, Clapham Junction,
S.W. 11.

And AGENTS throughout U.K.

If unable to obtain locally, send 30/- on and name of your dealer to CRICK & CO., "HAZELWOOD," NORTHAMPTON and boots will be sent through him or our nearest Agent, POST FREE.

Ethophone Crystal Receivers

YOU can be proud of the Ethophone Junior Model—Proud of its appearance and proud of the results it gives. It is a splendid little instrument, capable of tuning to the wave-length of any British Broadcasting Station.

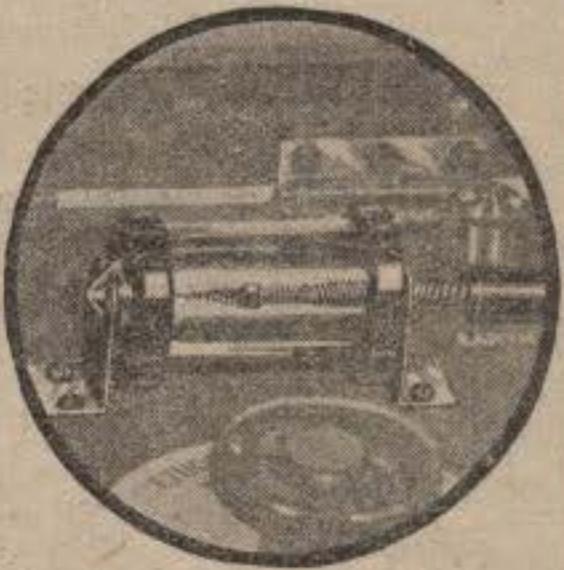
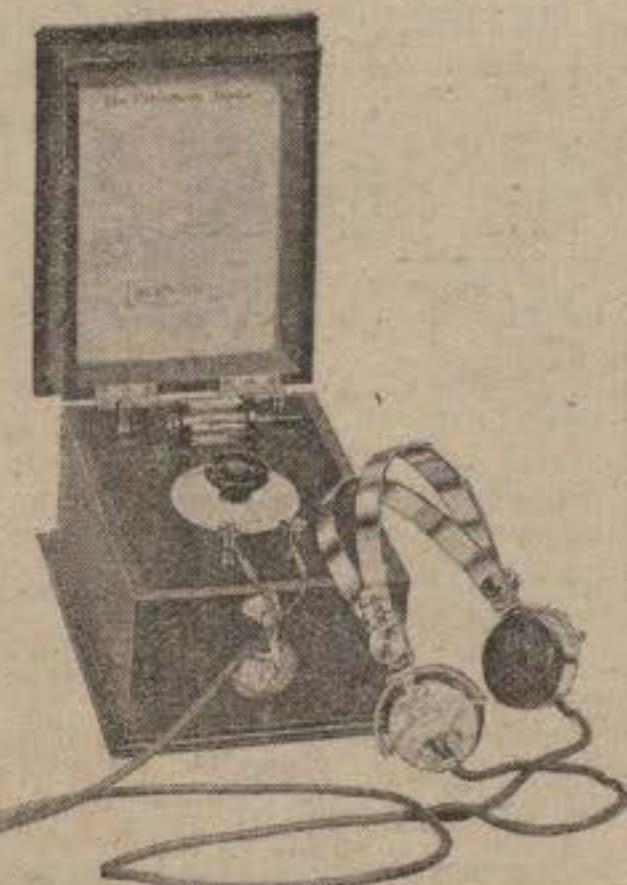
It has a range of 20-25 miles and is fitted with the new Burndept patent enclosed Crystal Detector with micrometer screw adjustment (see enlarged illustration for details).

This instrument is intended for use with Head Telephones, but should it be desired to receive on a Loud Speaker, an Ethophone Speech Amplifier may be added.

No. 500 Ethophone Junior Model ... £2 : 12 : 6
To which must be added Broadcast Tariff 1/-
No. 185 Head Telephones, 4,000 ohms per pair £1 : 5 : 0

Burndept Ltd., Head Office: Aldine House,
Bedford Street, Strand, W.C.2.
Phone: Gerrard 7794.

BURNDEPT
WIRELESS APPARATUS



This unusually efficient Detector is now fitted to all Burndept Crystal Receivers. The crystal is the new Burndept Synthetic, and is sensitive all over. All working parts enclosed in glass tube. Micrometer adjustment, simply by rotating ebonite handle.

May be obtained for mounting on own panel packed in Carton with drilling template (No. 215), price 5/-

Also mounted on engraved ebonite panel with terminals (No. 216), price 12/6.

WIRELESS PROGRAMME—TUESDAY (Feb. 26th.)

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. Concert, The Wireless Trio and Hugh Mackintosh (Bass Baritone).
 3.30-4.30.—TIME SIGNAL FROM GREENWICH. Concert : The Wireless Trio and Mary Hamlin (Soprano).
 5.0.—WOMEN'S HOUR : "The Psychology of Colours," by F. Thornton Smith. Aileen Crawford (Contralto) : "Caller Herrin." "A Talk on Hockey," by Miss W. A. Baumann.
 5.30.—CHILDREN'S STORIES : "A Shrubbery to Let," by Marion Henderson. A Talk on Handicrafts (No. 2), by F. S. Thomas.
 6.15.—LADY (F.E.) BARRETT, C.B.E., M.D., M.S.—An Appeal on Behalf of The Royal Free Hospital.
 6.30-7.0.—Interval.
 7.0.—TIME SIGNAL FROM BIG BEN, AND 1ST GENERAL NEWS BULLETIN. *S.B. to all Stations.*
 French Talk under the auspices of L'Institut Français. *S.B. to other Stations.*
 Local News and Weather Forecast.
 7.30. MAVIS SHELLSHEAR
 (Songs at the Harp).
 "Ouvre tes yeux bleues" Massenet
 "Solveig's Song" Grieg (1)
 "The Lass With the Delicate Air" Arne
 BEATRICE EVELINE (Solo 'Cello).
 Air Purcell
 Au Bord du Ruisseau Fischer
 Allegro con Brio Guerini
 Berta Carr.
 "Alone" Chaminade (5)
 "Song of the Blackbird" Quilter (1)
 "I Love Thee" Grieg
 WALTER TODD (The Droll Comedian).
 "Inventive Johnny" Reynolds (13)
 "Women Haven't any Mercy on a Man" Chappell

Historical Programme of English Part Music.

- by
 THE ENSEMBLE SINGERS,
 (HARRY MAY, PHILIP HENRY,
 WILLIAM FORINGTON, GEORGE
 STUBBS.)
 Early English Song, "Oar King Went
 Forth" (from the Pepysian Collection,
 Cambridge, A.D. 1415).
 Madrigals, "Flow, O My Tears" Benet—1593
 "Come Again, Sweet Love"
 Dowland—1562-1626
 Canon, "Non nobis, Domine" Byrd—1590
 Catch, "Would You Know My Celia's
 Charms?" Webbe—1740-1816
 Glees, "Tell Me, Babbling Echo"
 Paxton—1755-1787
 "By Celia's Arbour"
 Horsley—1774-1858
 Part-Song, "Goodnight" Hatton—1809-1886
 Folk Song, "A Farmer's Son so Sweet"
 arr. Vaughan Williams—Present Day
 Part-Song, "Feasting, I Watch"
 Elgar—Present Day
 Interspersed between the above items will
 be a few remarks of an historical and ex-
 planatory nature by Harry May.
 Walter Todd.
 "Ridiculous Questions" Reynolds (13)
 Mavis Shellshear.
 "Here in the Quiet Hill" Carne
 "Annie Laurie" Liza Lehmann
 "Down Vauxhall Way" Oliver (8)
 Beatrice Eveline.
 Melodie Charpentier
 Berceuse Slave Neuda
 Gavotte Popper
 Berta Carr.
 "O That it Were So" F. Bridge
 "Yung-yang" Bootock (4)
 Shepherd's Song" Elgar

- 9.30.—TIME SIGNAL FROM GREENWICH AND 2ND GENERAL NEWS BULLETIN. *S.B. to all Stations.*
 Local News and Weather Forecast.
 9.45.—MR. C. M. HEPWORTH, the well-known Film Producer, on "The Romance of Film Making."
 10.0.—Dance Music by THE SAVOY ORPHEANS AND SAVOY HAVANA BANDS, relayed from The Savoy Hotel, London. *S.B. to all Stations.*
 11.0.—Close down.
 Announcer : J. S. Dodgson.

BIRMINGHAM.

- 3.30-4.30.—Station Piano Quintette, under the direction of Frank Cantell.
 5.0.—WOMEN'S CORNER.
 5.30.—Agricultural Weather Forecast.
 KIDDIES' CORNER.
 6.30.—Teens' Corner : No. 1 of the "Joy Ride" Series.
 7.0.—NEWS. *S.B. from London.*
 French Talk, *S.B. from London.*
 Local News and Weather Forecast.

Miscellaneous Programme.

- 7.30. MONA WASHBOURNE
 (Songs at the Piano).
 "He Met Her on the Stairs" Leprecy
 "My Rose" Malcolm
 DAVID HAMILTON in a Character Recital
 from "The Bells" (Lewis).
 Characters portrayed :
 Hans An Old Man
 Father Tom The Village Priest
 Christian A Gendarme
 Mathias The Burgomaster
 Scene : The Interior of a Village Inn,
 Alsace, on Christmas Eve, 1853.
 Mona Washbourne.
 Some "Flapper" Songs.
 8.15-8.45.—Interval.

- 8.45. ALICE COUCHMAN (Solo Piano).
 Prelude in E Minor Mendelssohn
 Rhapsodie Hongroise No. 12 Liszt
 ERIC WILDE (Entertainer) : "Original Parodies and Stories of my Broadcasting Trials."
 MABEL SENIOR (Soprano).
 "Alice Blue Gown" ("Irene") Tierney (3)
 "The Amorous Goldfish" ("The Geisha") Jones

- HAROLD HOWSE (Baritone).
 "A Bachelor Gey" ("The Maid of the Mountains") Simson
 "The Cobbler's Song" ("Chu-Chin-Chow") Norton
 Eric Wild : "The Art of Song Writing" Lowe (15)
 Alice Conchman.
 Scherzo in B Flat Minor Chopin

- Air de Ballet, Op. 36 Moeskowski
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.40.—COLIN GARDNER, F.R.A., the Midland Organiser of the Radio Association : "Wireless Hints to Beginners."

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

- 11.0.—Close down.
 Announcer : H. Cecil Pearson.

BOURNEMOUTH.

- 3.45.—Ethel Rowland (Solo Piano), and Dance Band relayed from King's Hall.
 4.45.—WOMEN'S HOUR.
 5.15.—KIDDIES' HOUR.
 6.15.—Scholars' Half-Hour : John Adams, A.B.C.A., "The Romance of Pottery."
 7.0.—NEWS. *S.B. from London.*
 7.10.—French Talk. *S.B. from London.*
 7.25.—Local News and Weather Forecast.
 7.30-8.0.—Interval.

Popular Night.

- 8.0. THE BOURNEMOUTH WIRELESS ORCHESTRA.
 Director : Capt. W. A. Featherstone.
 Selection, "Princess Caprice" Fall

- 8.10.—ROBERT PITT AND LANGTON MARKS (Entertainers) : "Duets Topical and Tropical."
 8.20. GERTRUDE NEWSOM (Mezzo-Soprano).
 "Pink Lady Waltz Song" Caryl
 "Every Day" ("Stop Flirting") ... Dody
 8.30. "THE MAKER OF DREAMS." (Oliphant Down.)
 Pierrot T. WILSON CLARIDGE
 Pierrette KATHLEEN WELLS
 The Manufacturer SYDNEY JAMES
 8.50. Orchestra.
 Suite, "Americana" Thurstan
 9.0.—PITT AND MARKS : "Duets Up-to-Date."
 9.15. Gertrude Newsom.
 "The Love Nest" ("Mary") ... Hirsch
 "The Amorous Goldfish" ("The Geisha") Jones
 9.30.—NEWS. *S.B. from London.*
 9.45. Orchestra.
 Pot Pourri, "A Musical Switch" ... Alford
 9.55.—Pitt and Marks : "More Duets."
 10.10.—THE SAVOY BANDS. *S.B. from London.*
 11.0.—Close down.
 Announcer : Bertram Fryer.

CARDIFF.

- 5.0.—"5WA'S" "FIVE O'CLOCKS." "Mr. Everyman," Talks to Women, Vocal and Instrumental Artists, the Station Orchestra. Weather Forecast.
 5.45.—THE HOUR OF THE "KIDDIE-WINKS."
 7.0.—NEWS. *S.B. from London.*
 7.15.—French Talk. *S.B. from London.*
 Local News.
 Shakespeare Night XI.
 7.30. "HENRY IV." Paris 1 and 2.
 Performed by
 THE CARDIFF STATION REPERTORY COMPANY.
 Produced and Directed by
 A. CORBETT-SMITH.
 Incidental Music by
 THE STATION ORCHESTRA.
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.45.—Programme *S.B. from London.*
 10.0.—THE SAVOY BANDS. *S.B. from London.*
 11.0.—Close down.
 Announcer : A. H. Goddard.

MANCHESTER.

- 3.30-4.30.—Nellie Carson (Soprano), Violet H. Carson (Mezzo-Soprano), H. Norman Booth (Baritone), Frank Fisher (Elocutionist).
 5.0.—WOMEN'S HOUR.
 5.25.—Farmers' Weather Forecast.
 5.30.—CHILDREN'S CORNER.
 7.0.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 7.45.—GEORGE DAVE FRANK'S DANCE BAND.
 One-step, "Barney Google"; Fox-trot (7); "March of the Mannikins"; Fox-trot, "Felix Kept on Walking" (9); Fox-trot, "Maggie Blues" (9); Tango, "La Paloma"; Blues, "Farewell Blues" (9); Waltz, "Dreamy Melody"; Fox-trot (7), "Selected"; One-step, "Gallagher and Shean" (9).
 8.20.—HARRY HOPEWELL (Baritone).
 "La Serenata" Tosca
 "O Wings of Song" Mendelssohn
 8.30.—RONALD GOURLEY (Entertainer) : "Humour and Music."
 8.45.—"Persiflage," by PERCY PHLAGE.
 9.0. Harry Hopewell.
 "When a Maiden Takes Your Fancy" ("Scraglio") Mozart
 "The Arrow and the Song" Balfe
 (Continued in col. 1, page 347.)

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 347.

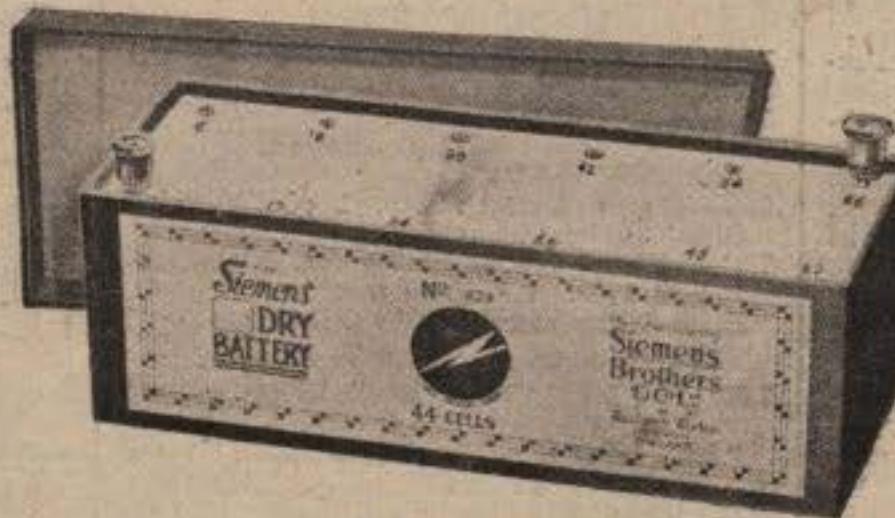
SIEMENS BATTERIES

THE HALL MARK



REG. TRADE MARK

OF QUALITY.



THE HALL MARK



REG. TRADE MARK

OF QUALITY.

No. 820. - 60 volts.

MANUFACTURED THROUGHOUT AT WOOLWICH

WATES

**"PYRAMID"
HIGH TENSION BATTERIES**

SPECIAL OFFER FOR
LIMITED PERIOD.

We are agreeable to sending batteries ordered direct by the public carriage paid. You are thereby assured of absolutely fresh supplies.

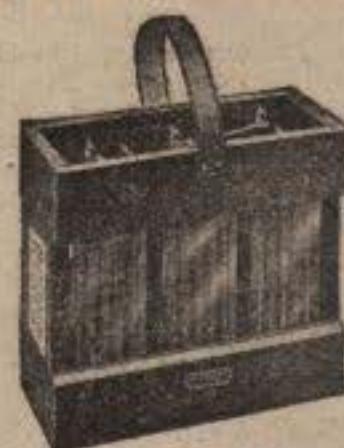


The new model "PYRAMID" high tension battery recently placed on the market has justly earned for itself a very high reputation—for where there is a "PYRAMID," there is a satisfied user.

Research and experiment have resulted in the employment of a special insulating compound, preventing leakage and resulting in long life, constant voltage, and FREEDOM FROM HEADPHONE NOISES. Tapped every three volts.

15 volts	...	...	3/6
33 "	...	...	7/6
60 "	...	...	12/6
90 "	...	...	18/6

The "Ideal" Accumulator is specially recommended for valve work. Over 30,000 are at present giving satisfaction in various parts of the world. The plates are of robust construction. The glass containers have rib separators, so that perfect insulation is assured, and the owner can rely on years of unfailing service. Crate includes leather carrying handle.



2 volt 25 act. amp. hours	10/-	Crate 3/-
4 " 25 " "	24/-	4/-
6 " 70 " "	70/-	7/-

WATES BROS, LTD.,

Phone: Gerrard 575-6.

12, 13 & 14, Gt. Queen Street, Kingsway, W.C.2.

Grams: Zyicateseng, Westcent.

Southern Depot (Wholesale): 101, Old Christchurch Rd., Bournemouth. Phone—Bournemouth 3573.
Western Depot (Wholesale): South Devon House, Raleigh St., Plymouth.

WIRELESS PROGRAMME—WEDNESDAY (Feb. 27th.)

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

LONDON.

- 3.30-4.30.—Time Signal from Greenwich. Concert: The Wireless Trio and Gordon Crocker (Tenor).
- 5.0.—WOMEN'S HOUR: "The Lady of the Lace Pillow," by C. Romanne James. Orchestra.
- 5.30.—CHILDREN'S STORIES: Uncle Jeff's Talk on the Orchestra. Orchestra.
- 6.15-7.0.—Interval.
- 7.0.—TIME SIGNAL FROM BIG BEN, AND 1ST GENERAL NEWS BULLETIN. S.B. to all Stations.
- ARCHIBALD HADDON (the B.B.C. Dramatic Critic): "News and Views of the Theatre." S.B. to all Stations. Local News and Weather Forecast.
- 7.30. THE WIRELESS ORCHESTRA. Fox-trot, "You Up It" Donaldson. Orchestrated Song, "Some Day in Somebody's Eyes" Ancliffe.
- LLOYD CHANDOS (Tenor) with Orchestra. "One Fine Summer Morning" Gaynor. "Give Me the Night Time"—Fox-trot Geiger Orchestra.
- Fox-trot, "Horseshoe Blues" Hermite.
- NELLIE BEARE (Soprano) with Orchestra. "Good Luck Lane" Lee Vine. "My Time is Your Time," Vocal Fox-trot Leo Dance Orchestra.
- Fox-trot, "Touareg" Moretti.
- March, "Under the Banner of Victory" Blon.
- Spanish Dance, "Moraima" Espinosa.
- SILVIO SIDELI (Baritone) with Orchestra. Aria from "Don Pasquale" Donizetti Orchestra.
- "Chant Elegiaque" Tchaikovsky.
- Fantasia, "Manon" Massenet-Genin.
- JACK RICKARDS AND VIOLET STEVENS "The Scandalmongers." Silvio Sideli.
- "Sometimes in My Dreams" D'Hardcourt.
- "Obstination" de Fontenelles.
- 9.15.—MR. A. B. RENDLE, D.Sc., F.R.S., Keeper of Botany at the Natural History Museum, on "Some London Trees."
- 9.30.—TIME SIGNAL FROM GREENWICH, AND 2ND GENERAL NEWS BULLETIN. S.B. to all Stations.
- Local News and Weather Forecast.
- 9.45. Orchestra.
- Petite Suite, Chaminade.
1. Air Italien; 2. Air Russe; 3. Air Espagnol. Jack Rickards and Violet Stevens: "The Scandalmongers."
- Orchestra.
- Selection, "Airs and Graces" Monckton.
- Patrol, "Land of the Maple and Beaver" O'Neill.
- 10.30.—Close down.
- Announcer: J. S. Dodgson.

BIRMINGHAM.

- 3.30-4.30.—Lozells Picture House Orchestra (Director, Paul Rimmer). Ethel Williams (Contralto), Kathleen Norris (Dramatic Recital). 5.0.—WOMEN'S CORNER: W. T. Beeston, "Why Do We Read?"
- 5.30.—Agricultural Weather Forecast. KIDDIES' CORNER.
- 6.30.—Teens Corner.
- 7.0.—NEWS. S.B. from London.
- ARCHIBALD HADDON. S.B. from London. Local News and Weather Forecast.

Classical Programme.

- 7.30.—Fourth Concert of the English Concert Society, relayed from the Royal Society of Artiste's Gallery, New Street, Birmingham.

- THE JOSEPH LEWIS OCTETTE. Part Songs, "Cruiskeen Lawn" Bantock (11). "In Silent Night" Brahms (11). "Love, Fare Thee Well" Brahms (11). FREDERICK BYE (Solo Cello).

Selected Items.

- OCTETTE.
Cradle Songs, "Wiegenlied" Brahms (2). "O My Dear Heart" Gibbs (2) (Soloist, Mabel Senior.) HAROLD CASEY (Baritone). "Thomas the Rhymer" Loewe. "Odin's Sea Ride" Loewe.
- OCTETTE.
New Part Songs, "Spring" Powell (15). "Land Dirge" Edwards (15) Frederick Bye.

Selected Items.

- OCTETTE.
Folk-Songs, "Ca' the Yowes" Vaughan Williams (2) (Soloist, Ingram Benning.) Part Songs, "Serenade" Elgar (11). "Love" Elgar (11). Three Elizabethan Songs Vaughan Williams (15). Sea Chanties arr. Sir R. R. Terry (2) (Soloist, Harold Howse.)

9.30.—NEWS. S.B. from London.

- Local News and Weather Forecast.
- 9.40.—SIDNEY GREW: Readings from the Works of Wordsworth.
- 10.10.—"Beer Vie" will give Morse Practice.
- 10.20.—Close down.

Announcer: Percy Edgar.

BOURNEMOUTH.

- 3.45.—The "6BM" Trio, Arthur Marston, A.R.C.O. (Solo Piano); Reginald S. Mount (Solo Violin); Thomas E. Illingworth (Solo Cello).
- 4.45.—WOMEN'S HOUR.
- 5.15.—KIDDIES' HOUR.
- 6.15.—Scholars' Half-Hour: Miss H. Rawnsley on "Precious Stones."
- 7.0.—NEWS. S.B. from London.
- ARCHIBALD HADDON. S.B. from London. Local News and Weather Forecast.
- 7.30-8.0.—Interval.

"Pictures"

(It would be advisable if those "Listeners" who wish to follow these Pictures would procure a copy of them.)

- 8.0.
A French Picture, "Revolution" Fred Roe
A Russian Picture, "Cross Country in Winter" Alfred von Wierusz-Koelski
A Sea Picture, "For Lives in Peril" B. F. Gribble
A Dutch Picture, "Le Marché aux Poissons à Gouda" Henry Cassiere
9.30.—NEWS. S.B. from London.
- 9.45.
A Venetian Picture, "Musique sur l'eau, Le Soir Venise" Henri le Sidaner
An English Picture, "Stopping the Mail" Frank E. Freyburg

10.15.—Close down.

Announcer: Bertram Fryer.

CARDIFF.

- 5.0.—"SWA'S" "FIVE O'CLOCKS." "Mr. Everyman," Talks to Women, Vocal and Instrumental Artistes, the Station Orchestra. Weather Forecast.
- 5.45.—THE HOUR OF THE "KIDDIE-WINKS."
- 7.0.—NEWS. S.B. from London.
- ARCHIBALD HADDON. S.B. from London. Local News.

Popular Night.

- 7.30. THE STATION ORCHESTRA.
March, "The 3 D.G.'s" Brphy
Entr'acte, "Ma Blonde Aimée" Volpati
7.40. WILFRED MILES (Tenor).
"Mary"
"Tom Bowling" Dibden (1)

- 7.50.—ALBERT THOMAS & C. THOMAS. Duets—Harp and Dulcimer.

- 7.55.—ROBERT PITT & LANGTON MARKS: "Duets Up-to-Date."

- 8.5. Orchestra.
Suite, "Sylvan Scenes" Fletcher

- 8.20. Wilfred Miles.
"The Four Leaved Shamrock" Russel (1)

- "Sometimes With Deep Regret" Lambert (1)

- 8.30.—DR. JAS. J. SIMPSON, M.A., D.Sc.: "British Mammals."

- 8.40. Orchestra.
Selection, "The Boy" Monckton & Talbot

- 9.0.—Albert Thomas and C. Thomas: Duets—Harp and Dulcimer.

- 9.5.—PITT AND MARKS: "Duets Up-to-

- Date."

- 9.15. Orchestra.
Incidental Music to "Faust" Coleridge Taylor (1)

- 9.30.—NEWS. S.B. from London.

- Local News and Weather Forecast.

- 9.45. Orchestra.
Dance Music.

- 10.15.—Close down.

- Announcer: W. N. Settle.

MANCHESTER.

- 3.30-4.30.—Concert.

- 5.0.—WOMEN'S HOUR.

- 5.20.—Farmers' Weather Forecast.

- 5.25.—CHILDREN'S HOUR.

- 7.0.—NEWS. S.B. from London.

- ARCHIBALD HADDON. S.B. from London.

- Local News and Weather Forecast.

- 8.0.—CONCERT BY THE "ZZY" ORCHESTRA.

- Popular Light Music.

- March, "On the Quarter Deck" Alford

- Selection, "Mary" Hirsch

- Waltz, "The Lady of the Rose" Gilbert

- Intermezzo, "In the Moonlight" Ketelby

- OLIVE MACKAY (Contralto).

- "Danny Boy" Old Irish Song

- "The Songs My Mother Sang" Grimshaw

- The Sinfessor will say a few words.

- 8.45.—PROFESSOR T. WEISS, D.Sc., F.R.S.: Second Talk About Trees.

- 9.0. Orchestra.

- Selection, "The Moussie" Monckton and Cargill

- Keltic Suite Foulds

- The Sinfessor and Further Sayings.

- 9.30.—NEWS. S.B. from London.

- Local News and Weather Forecast.

- 9.45. Orchestra.

- Selection, "La Gran Via" Valverde

- Intermezzo, "In a Chinose Temple Garden" Ketelby

- 10.10. Olive Mackay.

- "Adrift" Granville Bantock

- "Daughter of Zeus" Granville Bantock

- 10.20. Orchestra.

- Suite, "Americana" Thurber

- Selection, "Rats" Brahms

- 10.50.—W. E. PLETSCHER: Spanish Talk.

- 11.0.—Close down.

- Announcer: Victor Smythe.

NEWCASTLE.

- 3.45.—Concert: Annie Armstrong (Solo Piano), Henry Wilson (Baritone), Sam Barracough (Solo Cornet).

- 4.45.—WOMEN'S HOUR.

- 5.15.—CHILDREN'S HOUR.

- 6.0.—Scholars' Half-Hour: Mr. J. Brown on "Churches of Old Newcastle."

- 6.35.—Farmers' Corner: Professor Gilchrist on "Feeding Experiments."

- 7.0.—NEWS. S.B. from London.

- ARCHIBALD HADDON. S.B. from London.

- Local News and Weather Forecast.

- (Continued in col. 2, page 347).

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 347.

Radio Gems

As the diamond is to a connoisseur of costly gems, so are Wireless Press publications to discerning folk. Authoritative, interesting, helpful radio books. Written and prepared by the foremost wireless men for YOU.



Practical Wireless Sets for All
—Home Construction Made Easy, by Percy W. Harris, 1/6 nett. Post free 1/8. NO previous knowledge is necessary to construct the reliable, efficient and thoroughly tested

receiving sets described in this book. Described clearly: photographs of wiring leave no doubt in the constructor's mind.

"The Home Constructor's Wireless Guide," by W. James, the only COMPLETE construction book, is ideal. Every aspect of construction is accurately treated; essentially it is a PRACTICAL guide for the home constructor—you, yourself! Get it, read it and construct now. You'll be satisfied. Price 3/6. Post free 3/9.

THE WIRELESS PRESS, LTD.
DEPT. R.T.

12-13,
HENRIETTA
ST.



LONDON,
W.C.2

"ABBIPHONE" for value.

Here is an example of the excellent "Abbiphone" value. Distinctive—out of the rut—they combine the certainty of satisfaction with moderate prices. Because they are different and always better, you can rely upon "Abbiphone" Wireless Products to provide you with efficient and economical Wireless Service.

The "Abbiphone" Crystal Receiving Set,
Type C.R.III.3:

Mounted in a compact polished mahogany box, this is a particularly useful set, having a reception range of approximately 30 miles. Simple to tune by means of a lever controlling our well-known Variometer. Complete, with our patented Crystal Detector and Tuning Bassett (enabling the crystal to be adjusted prior to broadcasting).

Price £3 10. 0. (G.B.C. TAX 1/- extra).

ABBY INDUSTRIES, LIMITED,

Abbey Wood, London, S.E.2



Write to-day for our illustrated catalogues.

Telephone,
Woolwich 338

WIRELESS PRODUCTS
Sets from 10/- to 85 Guineas.

"ABBIPHONE"
Regd. Trade Mark.
BUY BRITISH GOODS ONLY.

British Composers' Programmes.

By Percy A. Scholes.

ON Thursday, the London Station inaugurates a new and interesting series of brief programmes devoted to British Composers. In time, all the living composers of standing will, I understand, be represented in this series, and in some cases they will be present in person to take part in the performance of their works.

The arrangements already made are as follows.

Thursday, 28th February, John B. McEwen,
" 13th March, John Ireland,
" 27th March, Martin Shaw,
" 10th April, Benjamin J. Dale.

I will give a few brief particulars here of Ireland, Shaw, and Dale, and then pass on to a rather longer consideration of McEwen, and of such of his works as are to be heard on Thursday.

JOHN IRELAND.

Born at Bowdon, Cheshire, in 1879. He has written a fine (and difficult!) Piano Sonata, and many smaller pieces for piano—all very delightful. He has also written orchestral music, such as *The Forgotten Rite*, and a *Rhapsody*, and a number of beautiful songs.

MARTIN SHAW.

Born in London in 1876. Well known as an organist, as a composer for the theatre, and especially as a writer of attractive songs for audiences that can appreciate something which is "popular," without being "cheap." There is talk of a new opera just composed by Shaw.

BENJAMIN J. DALE.

Born in London in 1885. His Piano Sonata in D minor made him very well known (good pianists and all "pianolists" should know this work; it appeared in 1905).

J. B. McEWEN.

There is an especial interest in this composer, as he has just been appointed Principal of the Royal Academy of Music.

John Blackwood McEwen comes from the Scottish Border. He was born at Hawick in 1868. He passed from the local schools to Glasgow University, where he graduated M.A. at the age of twenty. Meanwhile, he was busy with music, and had obtained a choirmaster's position in a Glasgow church.

Later, he took a similar position at Lanark; but, at last, feeling the need of a wider musical horizon, he came to London and, in 1893, became a student at the Royal Academy of Music.

At the period at which he began this fresh course of study he was already an active composer, having to his credit no less than three Symphonies, as well as two String Quartets and a Mass. After two years at the Academy, he went back to Scotland, and took up various positions in Glasgow; but it was not long before the Royal Academy recalled him, and made him a Professor of Harmony and Composition.

Since then, McEwen has lived a busy life as teacher and composer.

A LITTLE SONATA.

This is a Sonata for Violin and Piano (No. 4). There are three "Movements," as follows:

1. *Quick and Graceful*.—It is worth while to try to follow a piece of music closely now and again, so I will give a pretty full description of this movement. It is made out of two chief tunes: (a) the one with which the movement opens, a quiet tune for the Violin, which first comes stepping down and then climbs up again at double the speed, and (b) a similar tune, which can be easily recognized, for it enters in the Violin after a passage for Piano alone.

When these two themes have been treated, there comes another one, (c), of less importance, in a sort of *recitative*, or speaking style, again in Violin: it can be recognized by the fact that it enters with the same note loudly repeated.

After this has been treated for some little time, the tunes (a) and (b) come back again, with just a touch of (c), and the movement ends—very softly.

Look out for the handing about of these tunes: they all begin in the Violin, and then are occasionally given over to the Piano—sometimes to its treble, sometimes to its bass.

II. *Slow—Quick—Slow*.—This movement, it will be seen, falls into three sections. *Section one* is song-like and expressive; *Section two* has a forceful Violin part, with run-about arpeggios in the Piano part; *Section three* is practically the same as *Section one*, but shortened.

III. *Very Quick and Lively*.—This, like the First Movement, is made out of two chief passages: (a) the long tune with which the movement opens—very bold and vigorous, and (b), a much quieter one, which creeps in, in the Violin, after the Piano has had the field to itself for a little time.

We get both these passages at some length, and then they are repeated, with a "Coda"—or tail-piece, to round-off the movement.

THE "BISCAY" QUARTET.

Some readers may already know this music through the medium of the gramophone record. It was composed at Cap Ferret, in June, 1913, during a period spent there in search of health. There are three Movements:

I. *Le Phare*—"The Lighthouse."—This is made out of two chief tunes: (a) the bold, declamatory one, with which the movement opens, and (b) the smoother and more tranquil one some moments later.

Try to hear the four instruments, not merely the First Violin, and note how they weave in with one another, taking turns to maintain the interest of the moment.

II. *Les Dunes*—"The Sandhills."—Here the impression of a wide-stretching, featureless landscape is wonderfully well conveyed. Note, for instance, how the time with which the movement opens hangs about one note; and note, too, the continuous drone-bass in the 'Cello.

III. *La Raclette*—"The Fiddler."—"Raclette" means to "scrape" a fiddle, so "Raclette" means a rough-and-ready fiddler (probably generally a street fiddler), and "Raclette" is fiddler-woman.

The movement falls into three sections: *Section one*, with the fiddleress hard at work; *Section two*, a quieter but rather whimsical section; *Section three*, a note-for-note repetition of *Section one*.

DANCES ARRANGED FOR STRING QUARTET.

- (a) CHANSON (Old French):
(b) BASSE DANSE:

(Two settings of the same old tune—one in song style, and the other in dance style.)

2. TWO JAPANESE DANCES:

(a) *The Harvest of the Sea Salt*,
(b) *Butterfly Dance*.

3. Two SCOTTISH DANCES:

(a) *Strathspey*, "Tullochgorum,"
(b) *Reel*, "Johnny Lad."

All the music mentioned here is published by the Anglo-French Music Co., except the Dances, which have not yet appeared.

WIRELESS PROGRAMME—THURSDAY (Feb. 28th.)

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. Concert : The Wireless Trio and Maxim Turganoff (Tenor).

3.30-4.30.—TIME SIGNAL from Greenwich. Concert : The Wireless Trio and Eva Sparkes (Contralto).

5.0.—WOMEN'S HOUR : "Can Marriage be Improved?" by Marjorie Bowen. Olive Bell (Soprano). A Talk on Fashion, by Nora Shandon.

5.30.—CHILDREN'S STORIES : Musical Talk by Uncle Humpty Dumpty and Auntie Hilda—"Pip's Rainy Day." L.G.M. of the *Daily Mail*. Songs by Olive Bell.

6.15.—Boy Scouts' and Girl Guides' News.

6.25-7.0.—Interval.

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

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

Radio Society Talk. *S.B. to all Stations.*

Local News and Weather Forecast.

7.10.—*Programme S.B. to Cardiff.*

WILLIE ROUSE in repetition of his previous offence—with Pierrot and Pierrette.

8.15.—"From My Window," by Philemon.

8.20.—PHILIP WILSON will talk about the Music of the Period from Henry III. to Queen Mary, illustrating his chat with the following songs :—

 - "Summer is Iemann in" (Circa 1225).
 - "Agincourt Hymn" (Temp. Henry V.).
 - "A', the Syghe" (Temp. Henry VII.).
 - "Pastyme Withe Goode Company" (Temp. Henry VIII.)
 - "My Lytell Pretty One" (Temp. Edward VI.).
 - "Calenn Custurame" (Temp. Queen Mary).
 - "All in a Garden Green" (Temp. Queen Mary).

8.45. **Hours with Living British Composers.**

JOHN B. McEWEN.

THE SPENCER DYKE STRING QUARTETTE (SPENCER DYKE, EDWIN QUAIFE, ERNEST TOMLINSON, B. PATTERSON PARKER.) Assisted by HILDA DEDERICH (Piano). Quartetto in A Major, N.8., "Biscuit."

"Le Photo" (Allegro Maestoso); "Les Dunes" (Andante e Mesto); "La Bacchusse" (Vivace).

Spencer Dyke (Violin) and Hilda Dederich (Piano).

"A Little Sonata in A Major." Hilda Dederich.

"Vignettes" (for Piano).

String Quartette.

Suite of Dances arranged for String Quartette.

1. (a) "Chanson" (Old French); (b) "Basse Danse," "Jonissance vous donnerais."

2. Two Japanese Dances :—

(a) "The Harvest of the Sea Salt"; (b) "Butterfly Dance."

3. Two Scottish Dances :—

(a) Strathspey, "Tullochgorum"; (b) Reel, "Johnny Lad?"

9.30.—TIME SIGNAL FROM GREENWICH, AND 2ND GENERAL NEWS BULLETIN. *S.B. to all Stations.*

Local News and Weather Forecast.

9.45.—MAJOR W. T. BLAKE, "Siwa and the Serussi."

10.0.—THE SAVOY ORPHEANS AND SAVOY HAVANA BANDS, relayed from The Savoy Hotel, London.

11.0.—Close down.

BIRMINGHAM

- 3.30-4.30.—Station Piano Quintette, under the Direction of Frank Cantell.

5.0.—WOMEN'S CORNER.

5.30.—Agricultural Weather Forecast.
KIDDIES' CORNER.

6.30.—Teens Corner.

6.45.—Boy Scouts' and Girl Guides' News.

7.0.—NEWS. *S.B. from London.*
PERCY SCHOLES. *S.B. from London.*
Radio Society Talk, *S.B. from London.*
Local News and Weather Forecast.

Popular Classics Programme.

7.35. Station Orchestra.
(Under the Direction of Joseph Lewis.)
Overture from "Maritana" Wallace
Selection from "Betty" Rubens

ROBERT PITTC AND LANGTON MARKS
(Entertainers): Duets, Topical and Tropical.

Orchestra.
Waltz, "Blue Danube" Strauss

8.15-8.45.—Interval.

8.45. Orchestra.
Dance, Hungarian No. 5 Brahms
PITT AND MARKS: Duets, Up-to-Date.

Orchestra.
Selection from "The Naughty Princess" Cuvilliess

Match, "Cortège Polonaise" Doneda

9.30.—NEWS. *S.B. from London.*
Local News and Weather Forecast.

9.40.—MAJOR VERNON BROOK. M.I.A.E.—
"Fortnightly Engineering Review."

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

11.0.—Close down.
Announcer: H. Cecil Pearson.

BOURNEMOUTH

- 3.45.—The Crystals Concert Party : Lucy Riddle (Mezzo-Soprano—at the Piano), Dorothy Randall (Contralto), Gerald Kaye (Tenor).

4.45.—WOMEN'S HOUR.

5.15.—KIDDIES' HOUR.

6.0.—Boy Scouts' and Girl Guides' News.

6.15.—Scholars' Half-Hour : M. Peppin, B.A. (Paris)—Language Talk (French).

7.0.—NEWS. *S.B. from London.*
PERCY SCHOLES. *S.B. from London.*
Radio Society Talk. *S.B. from London.*
Local News and Weather Forecast.

7.35-8.0.—Interval.

8.0.—DANCE BAND relayed from KING'S HALL.

8.20. ROMA HOWARD (Entertainer).
"Tram Car Sketch" *Roma Howard*
"Nag, Nag, Nag" *Roma Howard*

8.30. WESSEX GLEE SINGERS.
"Row, Boatmen, Row" *Adim Giebel* (2)
"Little Tommy Went A-Fishing" .. *Macy* (2)
"Quibbles Cocoa" *Harper* (2)

8.40.—Dance Band.

ALTERATIONS TO PROGRAMMES, Etc.

AS THE RADIO TIMES goes to press many days in advance of the date of publication, it sometimes happens that the B.B.C. finds it necessary to make alterations or additions to programmes, etc., after THE RADIO TIMES has finally gone to press.

- 8.55. CHARLES CRAYFORD (Entertainer).
 " Humorous Stories."
 " The Confession " (From " Ingoldsby
 Legends ") Lamb

9.5. Wessex Glee Singers.
 " Song of the Jolly Roger " Chudleigh Candish (2)
 " John Peel " Fletcher (2)
 " At Sweet Sixteen " Oakley (2)
 " Good Night, Good Night, Beloved " Pirouette (2)

9.15.—Dance Band.

9.30.—NEWS. *S.B. from London.*

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

11.0.—Close down.
 Announcer: W. R. Keele.

CARDIFF.

5.0.—" 5WA'S " " FIVE O'CLOCKS." Isaac J. Williams, Keeper of Arts in the National Museum of Wales. Weather Forecast.

5.35.—Arthur Short on " Scouting."

5.45.—THE HOUR OF THE " KIDDIE WINKS."

7.0.—NEWS. *S.B. from London.*
 PERCY SCHOLES, *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Local News.

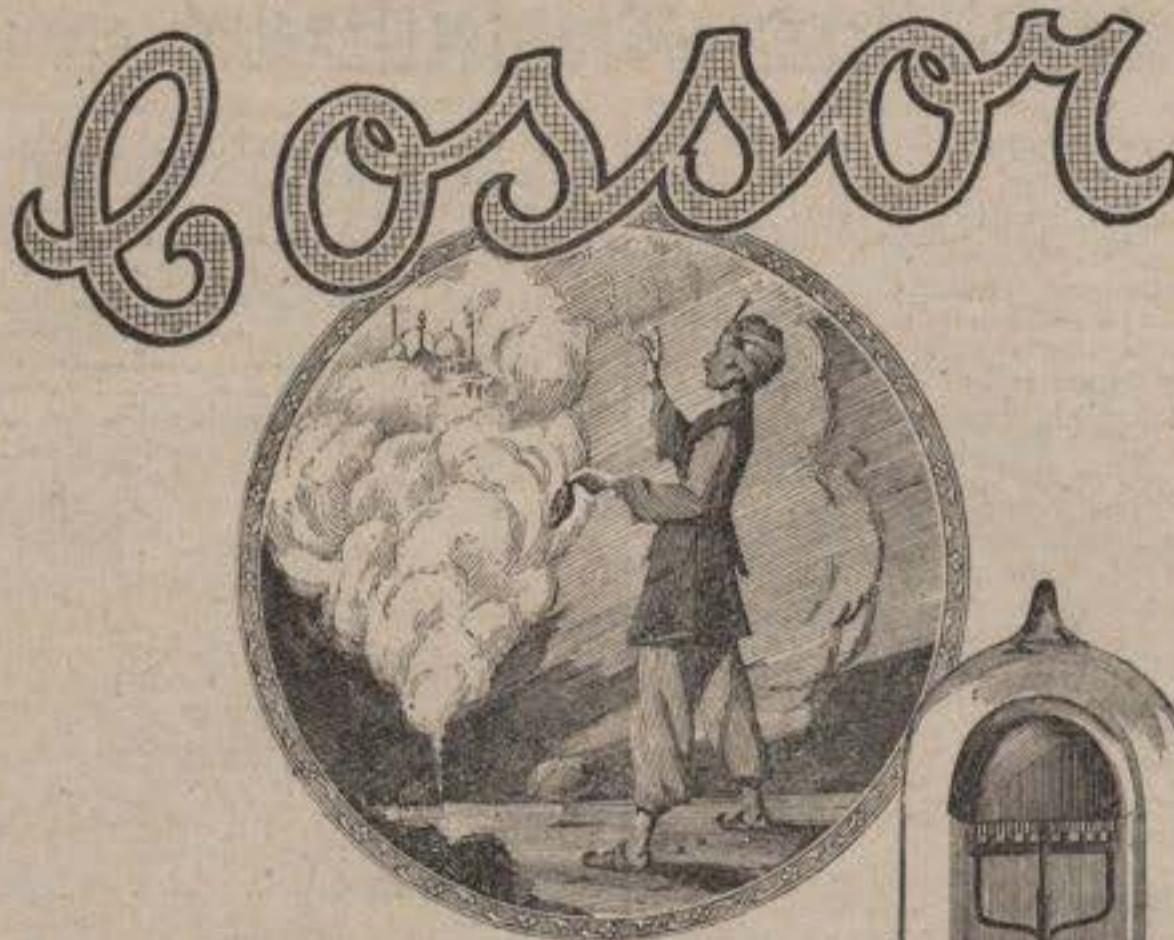
7.40.—Programme. *S.B. from London.*

9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.

9.45.—Programme (Contd.). *S.B. from London.*
 Announcer: A. H. Goddard.

MANCHESTER.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 347.



More wonderful than Aladdin's lamp

Not even Hans Andersen or Grimm, plentifully endowed with imagination as they were, could ever conjure up such visions as the miracle of Radio.

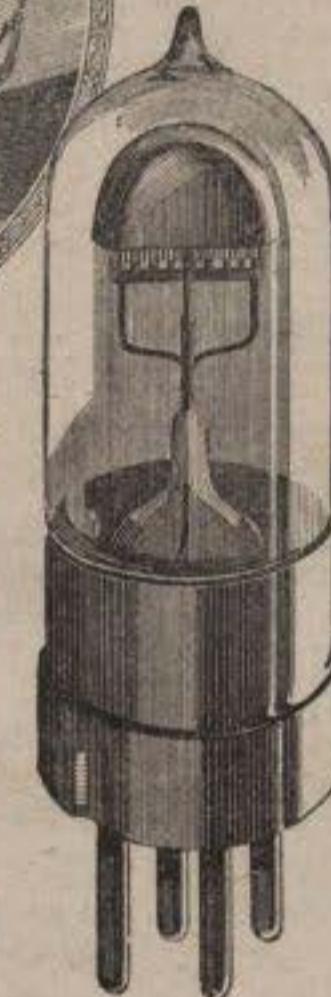
And even wireless engineers but five years ago would have dismissed as impossible the feat of receiving telephony at such distances as between England and America.

Yet given a well-designed Set, a good Aerial and efficient Valves, these feats are almost of nightly occurrence.

Because of its unique principles—the well-known curved filament and hood-shaped Grid and Anode—the Cossor is peculiarly suitable for critical work. In fact, the P.2—identified by means of its red top—has been definitely evolved as the one Valve for long-distance reception.

As all Wireless enthusiasts should know, the efficiency of any Valve—whether as a rectifier or an amplifier—depends entirely upon the correct use of the electron emission given off by the heated filament. In a Valve with a cylindrical Anode obviously a considerable proportion of the electrons will escape at each end, and are put to no useful purpose. On the other hand, in the Cossor Valve the filament—arched like a bridge—is high up inside the hood-shaped Grid and Anode and practically every electron given off arrives either at the Grid or at the Anode.

Yet in spite of all these advantages, its price is the same as for an ordinary Valve—why not make sure that your next Valve is a Cossor?



Prices :

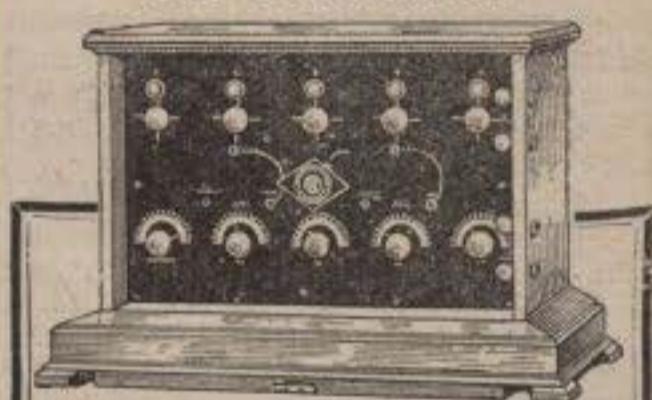
P.1 For Detector and Low-Frequency amplification - 12/6
P.2 (With red top) For High-Frequency amplification - 12/6

From all Dealers.

A. C. COSSOR. Ltd.—Highbury Grove, N. 5.

Gilbert Ad. 514.

The 1924 Model



SUPERFIVE ALL STATIONS ON A LOUD SPEAKER

with perfect reproduction, strength and selectivity.

Two H.F., one H.F. Rect., and two L.F. Power Valves, ANY COMBINATION OR NUMBER OF VALVES.

In lock-up oak cabinet, as illustrated, including special valves, 120 V.H.T. and coils covering all British stations.

£56 : 5 : 0.

Other sets of Coils at extra charge. Ask for Superfive Pamphlet.

TINGEY WIRELESS LTD.

Offices & Showrooms (Open 8 to 7; Saturdays 8 to 11):—
92, QUEEN ST., HAMMERSMITH, LONDON, W.6.
Phone: Hammersmith 1916. Grams: "Tingley, London."
FEW AGENCIES STILL OPEN.

THE GATEWAY TO A NEW WORLD OF WIRELESS INTEREST.

YOU can open the door to a new world of wireless interest by becoming an experimenter. The fascination of experimental work is never ending—at a small expense you can try out new circuits and new gadgets of all kinds, you can extend your listening-in to all countries of the world. You can be in regular touch with fellow American enthusiasts, and you can hear the thousands of interesting messages that fill the ether. You can invent and make discoveries; you may even achieve fame and fortune through a perfectly simple but novel experiment. The paper which will guide you to success in this fascinating work is "Experimental Wireless," published monthly, price 1s. It is full of well-illustrated articles by the best experimental workers both in this country and overseas, and is worth its cost many times over to the real enthusiast. Order it now from your newsagent or send 1s. 3d. to the address below for a sample copy. You will like it because it gives you worth-while technical information all the time.

EXPERIMENTAL WIRELESS

66R, FARRINGDON STREET, LONDON.

Complete list of useful books on Wireless, Electricity, Mechanics and Workshop Subjects, post free on application.

WIRELESS PROGRAMME—FRIDAY (Feb. 29th.)

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. Concert: The Wireless Trio and Phyllis Kitchener (Soprano).
 3.30-4.30.—Time Signal from Greenwich. Concert: The Wireless Trio and John Robertson (Bass-Baritone).
 5.0.—WOMEN'S HOUR: "Leap Year Customs in the States," by E. Thornton Cook. "French Fairs," by N. Desmond Hackett.
 5.30.—CHILDREN'S STORIES: "February," by Agnes L. Lingham. Miss Rose Fyleman will read "The Wiggly Weasel," by Mabel Marlowe (from "The Merry-Go-Round"). Songs by Uncle Rex. "Treasure Island," by Robert Louis Stevenson, Chap. 2, Part II.
 6.15-7.0.—Interval.
 7.0.—TIME SIGNAL FROM BIG BEN AND 1ST GENERAL NEWS BULLETIN. *S.B. to all Stations.*
 G. A. ATKINSON (the B.B.C. Film Critic): "Seen on the Screen." *S.B. to all Stations.* Local News and Weather Forecast.
 7.30.—THE WIRELESS ORCHESTRA. Conducted by L. Stanton Jeffries.
 Overture, "Le Caid" Thomas
 Waltz, "Love's Treasure" Waldeusel
 Humoresque, "The Whistler and his Dog" Pygor
 ARTHUR MEDROSE, the Original Word Whistling Entertainer.
 "Whistling Jack Tar."
 "Keep a-Whistling."
 Orchestra.
 Fantasia, "Carmen" Bizet
 KENNETH ELLIS (Bass) with Orchestra.
 "Drake Goes West" Sanderson (1)
 "The Floral Dancer" Katie Moss
 Orchestra.
 Intermezzo, "La Chaise à Porteurs" Chaminade (5)
 8.30.—CAPT. FRANCIS D. GRIERSON: "The Astonishing Story of the Secret League in London." Orchestra.
 Andante from the Octette, Op. 166 Schubert Suite, "Summer Days" Coates
 1. "In a Country Lane"; 2. "On the Edge of the Lake"; 3. "At the Dance." Arthur Melrose.
 "The Whistling Major."
 "The Bowery Boy."
 9.15.—MR. REGINALD WATERFIELD, F.R.A.S., on "Mercury and Venus."
 9.30.—TIME SIGNAL FROM GREENWICH AND 2ND GENERAL NEWS BULLETIN. *S.B. to all Stations.* Local News and Weather Forecast.
 9.45.—Orchestra.
 Musical Comedy Selection, "The Orchid" Curdell and Monckton
 Kenneth Ellis.
 Three Songs from "The Gipsy Trail" Easthope Martin (5)
 1. "The Lover"; 2. "The Wedding of Sara Leo"; 3. "Jack of All Trades." Capt. Francis D. Grierson: More Revelations.
 Orchestra.
 March, "The Sportsman" Komzak
 10.30.—Close down.
 Announcer: R. F. Palmer.

BIRMINGHAM.

- 3.30-4.30.—Lozells' Picture House Orchestra (Director, Paul Rimmer).
 5.0.—WOMEN'S CORNER: E. Dorothea Barcroft: "Further Experiences in East Africa."
 5.30.—Agricultural Weather Forecast.
 KIDDIES' CORNER.
 6.30.—"Teens Corner."
 7.0.—NEWS. *S.B. from London.*
 G. A. ATKINSON. *S.B. from London.* Local News and Weather Forecast.
 7.35.—Programme. *S.B. from London.*
 8.15-8.30.—Interval.

Chamber Music Evening.

- 8.30.—WILFRED RIDGWAY on "The Trios of Beethoven." With Excerpts from the Works mentioned by THE ENGLISH TRIO.
 CHARLES BYE (Violin): First Movement from Trio in E Flat, Op. 1, No. 1.
 FREDERICK BYE (Cello): Largo and Presto from Trio in G Major, Op. 1, No. 2.
 WILFRED RIDGWAY (Piano): Allegro Vivace from Trio in D Major, Op. 70, Nos. 1 and 2:
 (a) Poco Sostenuto; (b) Allegro ma non troppo;
 (c) Allegretto; (d) Allegretto ma non troppo;
 (e) Finale—Allegro.
 9.30.—NEWS. *S.B. from London.* Local News and Weather Forecast.
 9.40.—CAPT. L. J. A. GAY on "Motor Insurance."
 10.0.—WALTER BADMAN (Entertainer), "My Cigar" Leo (7)
 "The Sea Story" Bogart (13)
 "A Little Novel" Hunt (13)
 10.15.—BERT ASHMORE (Tenor). A Short Song Recital.
 10.30.—Close down.
 Announcer: H. Cecil Pearson.

BOURNEMOUTH.

- 3.45.—The "6BM" Trio, Gaywood Fish (Soprano), Reginald S. Mount (Solo Violin), Thomas E. Ellingworth (Solo Cello).
 4.45.—WOMEN'S HOUR.
 5.15.—KIDDIES' HOUR.
 6.15.—Scholars' Half-Hour: W. J. Woodhouse, A.C.P., "Among the Stars."
 7.0.—NEWS. *S.B. from London.*
 G. A. ATKINSON. *S.B. from London.* Local News and Weather Forecast.
 7.30-8.0.—Interval.

Gounod Night.

- 8.0. THE BOURNEMOUTH WIRELESS GRAND ORCHESTRA. Conductor: Capt. W. A. Featherstone.
 Overture, "Mirella."
 8.10. MADAME AURELIE REVY (Soprano), "I Wish I Could but Know" ("Faust") (1)
 "Jewel Song" ("Faust") (1)
 "He Loves Me" ("Faust") (1)
 8.20. Orchestra. Excerpts from "Le Médecin Malgré Lui."
 8.35. DIANA WEBSTER (Contralto). "O Divine Redeemer" (12)
 "Song of Ruth."
 8.45. Orchestra. Excerpts from "Polyenete."
 9.0. Madame Aurelie Revy. Recit. and Aria, "Holy Angel" ("Faust") (1)
 "Juliet's Valse Song" ("Romeo and Juliet") (1)
 9.10. Orchestra. Ballet Music, "La Reine de Saba."
 9.25. BERT KELLAWAY (Tenor). "Lend Me Your Aid" ("La Reine de Saba") (1)
 9.30.—NEWS. *S.B. from London.*
 9.45. Orchestra. Marche, "Romaine."
 Marche, "Militaire."
 9.55. Bert Kellaway. "Salve Dimora."
 10.5. Diana Webster. "Sappho's Farewell."
 10.10. Orchestra. "Grand Fantasie" ("Faust").
 10.25. Madame Aurelie Revy. "Ave Maria" (1)
 "Serenade" (1)
 10.30.—Close down.
 Announcer: Bertram Fryer.

CARDIFF.

- 5.0.—"5WA'S" "FIVE O'CLOCKS." "Mr. Everyman." Talks to Women, Vocal and Instrumental Artistes, the Station Orchestra. Weather Forecast.
 5.45.—THE HOUR OF THE "KIDDIE-WINKS."

- 7.0.—NEWS. *S.B. from London.*
 G. A. ATKINSON. *S.B. from London.* Local News.
 7.30.—Programme. *S.B. from London.*

CHORAL NIGHT.

- 8.15.—THE "ECLIPSE" PRIZE SINGERS. MAY HARRIS (Soprano).
 THE STATION ORCHESTRA. Orchestra: March, "Militaire" Schubert
 Entr'acte, "Canzonetta" Godard
 8.25.—Part Songs, "God is a Spirit" Bennett
 "The Chapel" Krutcher
 "The Evening Bells" Otto
 8.40.—SIR HERBERT D. W. LEWIS, K.B.E., "The Motor Ambulance Transport Service of Priory in Wales."
 8.50.—Songs, "Love is Meant to Make Us Glad" German
 "Il Bacio" Arditti
 9.0.—Orchestra: Suite, "Intermezzo" Rosse
 9.10.—Part Songs, "John Peel" Fletcher
 "Merry Men are We" Comer
 "Simon the Cellarer" Hatton
 9.20.—Songs, "Three Child Idylls" Lyon
 (a) "Rachel," (b) "Upstairs," (c) "Song of the Rogue."
 9.30.—NEWS. *S.B. from London.* Local News and Weather Forecast.
 9.40.—MR. DAN JONES, F.R.A.S., "Astronomy."

- 9.50.—Part Songs, "Far Beyond all Mortal Ken" Schubert
 "Far Down the Green Valley" Doring
 "Piccaninny Lullaby" Mayey
 10.0.—Orchestra: Dance Music.
 10.15.—Close down.
 Announcer: A. H. Goddard.

MANCHESTER.

- 3.30-4.30.—Concert.
 5.0.—WOMEN'S HOUR.
 5.20.—Farmers' Weather Forecast.
 5.25.—CHILDREN'S HOUR.
 7.0.—NEWS. *S.B. from London.*
 G. A. ATKINSON. *S.B. from London.* Local News and Weather Forecast.
 7.30.—Interval.
 8.0.—KEYBOARD KITTY will Purr.
 8.30.—NELL DAVIS (Soprano). "Love Went a-Riding" Bridge
 "Open Thy Blue Eyes" Massenet
 WILFRED HINDLE (Tenor). Aria, "O Paradiso" Meyerbeer
 "Eleanore" Coleridge-Taylor (1)
 8.45.—T. A. COWARD on "Winter Visitors." L. T. WHIPP (Lancashire Dialect Entertainer). "A Moston Rent Dinner" Brierley
 HAROLD BROWN (Baritone). "Border Ballad" Curwen (1)
 "Up from Somerset" Sanderson (1)
 9.30.—NEWS. *S.B. from London.* Local News and Weather Forecast.
 9.45.—Nell Davis.
 "Pastoral" Carey (1)
 "My Heart is Sad" Urquhart
 Wilfred Hindle.
 "Come Away, Death" Quilter (1)
 "Mistress Mine" Quilter (1)
 "Blow, Blow, Thou Winter Wind" L. T. Whipp.
 "A Hawker's Day" ("The Troubles of a Housewife") Fitton
 Harold Brown.
 "Roadways" Hermann Lohr
 "Captain Mac" Sanderson (1)
 10.20.—W. F. BLETCHER, Spanish Talk.
 10.30.—Close down.
 Announcer: Victor Smythe.

NEWCASTLE.

- 3.45.—Concert: Walter Barry's Trio; May Johnson (Solo Piano), Walter Barry (Solo Violin), John W. Sowerby (Solo Cello).
 4.45.—WOMEN'S HOUR.
 5.15.—CHILDREN'S HOUR.
 (Continued in col. 3, page 347.)

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 347.

← Note the leather covering

B.T.H. Headphones

**Best
and
most
comfortable**

The latest type of B.T.H. Headphones, as illustrated, is much lighter and more comfortable than the original pattern. The headband is of plated wire covered with leather, so as not to disarrange the hair, while the earpieces can be instantly adjusted to the head without any manipulation of nuts or screws.

B.T.H. Headphones have achieved a remarkable reputation for their wonderful sensitiveness and tonal quality. They perfectly reproduce speech and music and give maximum amplitude of sound. In many cases the substitution of B.T.H. Headphones for other makes has enabled listeners to hear distinctly broadcast programmes which had previously been inaudible.

Buy B.T.H. Headphones for better hearing

25/- per set

The British Thomson-Houston Co. Ltd

Wholesale only

Works: Coventry London Office: Crown House, Aldwych, W.C.2
Branches at: Belfast, Birmingham, Cardiff, Dublin, Glasgow, Leeds, Liverpool, Middlesbrough, Manchester, Newcastle, Swansea, Sheffield.

Sole Agents for the Music and Gramophone Trade:
THE MURDOCH TRADING CO., 59 & 61 CLERKENWELL ROAD, LONDON, E.C.1

1965

WIRELESS PROGRAMME—SATURDAY (Mar. 1st.)

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

LONDON.

- 3.30-4.30—Time Signal from Greenwich. Concert : The Wireless Trio and Ethel Baden-Elms (Soprano).
- 5.0.—WOMEN'S HOUR : "Behind the Scenes," by Johanna. "In and Out of the Shops," by "The Copy Cat."
- 5.30.—CHILDREN'S STORIES : Auntie Sophie at the Piano. Auntie Nora's Story about the Songs of Wales. Kirkham Hamilton on "The King and Staff." Children's News.
- 6.15-7.0.—Interval.
- 7.0.—TIME SIGNAL (from Big Ben) AND 1ST GENERAL NEWS BULLETIN. *S.B. to all Stations.*
Local News and Weather Forecast.
- 7.15.—E. KAY ROBINSON, President, British Empire Naturalists' Association : "Stories from Nature—Frogs and Toads."
- 7.30.—ST. DAVID'S DAY. *Programme S.B. from Cardiff.*
- 9.30.—TIME SIGNAL (from Greenwich) AND 2ND GENERAL NEWS BULLETIN. *S.B. to all Stations.*
Local News and Weather Forecast.
Capt. P. P. ECKERSLEY : "Forecasted Technical Improvements." *S.B. to all Stations.*
- 10.30.—THE SAVOY ORPHEANS AND SAVOY HAVANA BANDS, relayed from the Savoy Hotel, London. *S.B. to other Stations.*
- 11.0.—Close down.
Announcer : J. S. Dodgson.

BIRMINGHAM.

- 3.30-4.30.—Kiddies' Concert by the Kiddies.
- 5.0.—WOMEN'S CORNER.
- 5.30.—Agricultural Weather Forecast.
KIDDIES' CORNER : Auntie Phil : Further Adventures of "Snookey."
- 6.30.—Teens Corner.
- 7.0.—NEWS. *S.B. from London.*
Local News and Weather Forecast

St. David's Night.

- 7.30.—*Programme S.B. from Cardiff.*
- 9.30.—NEWS. *S.B. from London.*
- 9.45.—*Programme S.B. from Cardiff continued.*
Capt. P. P. Eckersley. *S.B. from London.*
- 10.30.—THE SAVOY BANDS. *S.B. from London.*
- 11.0.—Close down.
Announcer : H. Cecil Pearson.

BOURNEMOUTH.

- 3.45.—Ethel Rowland, solo Piano, and Dance Band, relayed from King's Hall.
- 4.45.—WOMEN'S HOUR.
- 5.15.—KIDDIES' HOUR.
- 6.15.—Scholars' Half-Hour : A. Barraclough, M.A., F.R.G.S.—"The Making of the British Isles."
- 7.0.—NEWS. *S.B. from London.*
- 7.10.—THE REV. W. H. SMART : "The Far East."
- 7.25.—Local News and Weather Forecast.
- 7.30-8.0.—Interval.

"Welsh Night."

- 8.0. THE BOURNEMOUTH WIRELESS ORCHESTRA.
(Conducted by Capt. W. A. Featherstone.)
- "Reminiscences of Wales" *Fred Godfrey*
- 8.15. SONG CYCLE OF TRADITIONAL WELSH AIRS.
Arranged and Orchestrated by Capt. W. A. Featherstone.
- ALBERT BOLTON (Tenor).
GLADYS PRIMAVESI (Contralto).
EDITH THOMAS (Soprano).
ALFRED WOOD (Baritone).
- THE "6BM" CHORUS.
- THE BOURNEMOUTH WIRELESS ORCHESTRA.

- Chorus, "Loudly Proclaim" *Trad.*
Tenor, "David of the White Rock" *Trad.*
Contralto, "All Through the Night" *Trad.*
Quartette, "A Welsh Carol" *Trad.*
Soprano, "The Dove" *Trad.*
Chorus, "The Bells of Aberdovey" *Trad.*
Chorus, "A Mighty Warrior" *Trad.*
- 8.35. H. GIBSON (Solo Piccolo).
"Jenny Jones" *Fred Godfrey*
(With Orchestral Accompaniment.)
- 8.45. DORA BROWN (Mezzo-Soprano).
"March Megan" (in Welsh) *Trad.*
(With Orchestral Accompaniment.)
- 8.50.—DAVID T. DAVIES : "Reminiscences of Welsh Music."
- 9.55. Song Cycle (Contd.).
Chorus, "St. David's Day" *Trad.*
Soprano, "One Bright Summer Day" *Trad.*
Baritone, "The Trumpet Sounding Loudly" *Trad.*
- Chorus, "The Men of Harlech" *Trad.*
Tenor, "Farthy" *Trad.*
Chorus, "Apshenkin" *Trad.*
Chorus, "New Year's Eve" *Trad.*
Chorus, "God Bless the Prince of Wales" *Trad.*
- 9.30.—NEWS. *S.B. from London.*
Local News and Weather Forecast.
Capt. P. P. Eckersley. *S.B. from London.*
- 9.50. H. Gibson (Solo Flute).
"Fantasia on Welsh Airs" *T. H. Young*
(With Orchestral Accompaniment.)
- 9.55. Dora Brown.
"Codiad yr Hedydd" *Trad. arr. Featherstone,*
10.0. *Orchestra.*
- "Fantasia on Welsh Airs" *Myddleton*
- 10.15.—THE SAVOY BANDS. *S.B. from London.*
- 11.0.—Close down.
Announcer : L. B. Page.

CARDIFF.

- 5.0.—"5WA'S" "FIVE O'CLOCKS": "Mr. Everyman," Talks to Women, Vocal and Instrumental Artistes, the Station Orchestra. Weather Forecast.
- 5.45.—THE HOUR OF THE "KIDDIE-WINKS."
- 7.0.—NEWS. *S.B. from London.*
Local News.
- 7.15.—WILLIE C. CLISSITT on "Sport of the Week."

St. David's Day.

- 7.30. "NOSON LAWEN MEWN HEN FFERMDY."
(A Happy Evening in a Welsh Farmhouse.)
(S.B. to London and Birmingham.)
- Mine Host : FARMER HUW J. HUWS.
The Guest of the Evening : THE RT. HON. LORD PONTYPRIDD, D.L., LL.D.
Other Guests : Mesdames Talbot Thomas, Gladys Williams, Messrs. David Thomas, Talbot Thomas, and Evan Jones, known through the countryside for their singing, play-acting, etc.
- Amongst the Neighbours who look in are a well-known Penillion Singer, Morgan Evans, and his friend, a Harpist.
- Some distinguished exiles are expected from a foreign land. They will be made heartily welcome. It is hoped that they will contribute to the evening's entertainment.
- The Host and three of the Guests will act a Play, "The Perfect Husband," by Mr. J. O. Francis.
- The evening concludes with the Welsh National Anthem : "Hen Wlad Fe Nhadau."
- The Host speeds the parting Guests.
- 9.30.—NEWS. *S.B. from London.*
Local News and Weather Forecast.
Capt. P. P. Eckersley. *S.B. from London.*
- 10.15.—Close down.
Announcer : A. Corbett-Smith.

MANCHESTER.

- 3.30-4.30.—Concert.
- 5.0.—WOMEN'S HOUR.
- 5.20.—Farmers' Weather Forecast.
- 5.25.—CHILDREN'S HOUR.

- 7.0.—NEWS. *S.B. from London.*
Local News and Weather Forecast.
- 7.15-7.45.—Interval.
- 7.45. Popular Symphony Concert.
THE "2ZY" AUGMENTED ORCHESTRA
Conducted by DAN GODFREY, Jun.,
A.R.A.M.
Notes by Moses Baritz.
- March, No. 2, "Pomp and Circumstance" *Elgar (11)*
Overture, "Tannhauser" *Wagner*
REGINALD WHITEHEAD (Bass).
- Recit., "I Rago, I Melt, I Burn" *Handel*
Aria, "O Ruddier than the Cherry" *Handel*
Orchestra.
- Präludium *Jarnefeldt*
- Tone Poem, "Finlandia" *Sibelius*
Symphony No. 5 in E Minor from "The New World" *Dvorak*
- 9.30.—NEWS. *S.B. from London.*
Local News and Weather Forecast.
Capt. P. P. Eckersley. *S.B. from London.*
- 9.50. *Orchestra.*
- Hungarian Rhapsodie No. 2 *List*
Reginald Whitehead.
- "I'm a Roamer" *Mendelssohn*
Overture Solonelle, "1812" *Tchaikovsky*
- 10.30.—SAVOY BANDS. *S.B. from London.*
- 11.0.—Close down.
Announcer : Victor Smythe.

NEWCASTLE.

- 3.45.—Concert : H. K. Cutchie (Solo Piano), Louie Brook and Madge Clark (Duets), Fred Wilde (Baritone).
- 4.45.—WOMEN'S HOUR.
- 5.15.—CHILDREN'S HOUR.
- 6.0.—Scholars' Half-Hour : Mr. L. L. Strong, A.L.C.M., on "Musical Appreciation."
- 6.35.—Farmers' Corner : Mr. R. W. Wheldon on "Varieties of Cereals."
- 7.0.—NEWS. *S.B. from London.*
Local News and Weather Forecast.
- 7.20.—MR. E. AKHURST : Talk.
- 7.35.—THE WIRELESS ORCHESTRA.
Conductor : William A. Cross.
- March, "Flag of Victory" *Bloch*
"The Evening Star" *Wagner*
- 7.45. ETHEL M. STANLEY (Mezzo-Soprano).
"Fulfillment" *Liddle*
"Request" *Finden*
- 7.55. FRANK CHARLTON (Entertainer).
"Charabanc" *Weston and Lee (7)*
"Seven and Six" *Weston and Lee (7)*
- 8.5. *Orchestra.*
- Selection, "The Leek" *Myddleton*
- 8.15. TOM CLOUGH (Northumbrian Pipes).
"Keel Row" with Variations *Traditional*
"Joekie Stoops Lang at the Fair" *arr. Clough*
"Felton Lonnion" with Variations *Traditional*
- 8.25. Ethel M. Stanley.
"Summer Rain" *Willeby*
"O What Comes Over the Sea?" *Coleridge-Taylor*
- 8.35. *Orchestra.*
- "Loved Ones" *Waldteufel*
- 8.45. Frank Charlton.
"A Mournful Medley" *arr. Charles (13)*
- 8.55. *Orchestra.*
- Entr'acte, "Cavatina" *Raff*
- 9.0.-9.30.—Interval.
- 9.30.—NEWS. *S.B. from London.*
Local News and Weather Forecast.
Capt. P. P. Eckersley. *S.B. from London.*
- 9.50.—WALKERS' BAND, relayed from the Assembly Rooms, Newcastle.
- 10.15.—Close down.
Announcer : R. C. Pratt.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 347.

The Magic Growth of Radio.

By Arthur R. Burrows, Director of Programmes.

Mr. Burrows is making a series of visits to the areas served by the several B.B.C. stations. He has promised to give to "The Radio Times" impressions of his tour.

ONCE upon a time—at least two years ago, in the dark days before the word broadcasting rang musically in our ears—a father and two children, the elder a girl of six and the younger a boy of four, made Sunday morning walks amongst what the railway companies and estate agents are pleased to term "the Northern Heights of London."

In those distant days, before Writtle and 2LO thought fit to hurl weird noises at the chimney-pots of the great Metropolis, the number of aerials to be seen along an average mile of "streetscape," either in London or the Provinces, could be counted on the fingers of one hand; but from time to time some enlightened—or, shall we say inquisitive?—soul would decide to place his ear at the keyhole of Europe, and hang up a wire for the purpose.

Counting the Aerials.

This led the little Sunday morning wanderers to invent a new game: one that would test the powers of observation. Father would search for cats, his daughter would count the dogs, and his young son—the wireless aerials. The daughter, I suspect, chose dogs because of the chance of counting the same animal on the outward and homeward journeys. Anyhow, she invariably had the greatest total, the cats being a very poor second and the wireless aerials in the category of "also ran."

Despite the fact that the small boy developed a positively uncanny sense for a length of copper wire and deserved well a post on the Inspectorate of the G.P.O., the game soon proved a bit disheartening; but he held to his choice, under fatherly advice.

Gradually the tables were turned, and to-day, if the same trio walks abroad, the daughter insists on counting lamp-posts. But aerials win every time.

A Mystic Rite.

What a change! Then—two years ago—the reception of wireless telephony was something of a mystic rite performed by serious-minded folk amidst a tangle of wires and formidable-looking instruments. These same people had a language calculated to make one shudder. They talked of "microfarads," "aperiodic transformers" and "valve characteristics." Fortunately, the term "supersonic heterodyne" was known only to a select few. They left office early on Tuesdays to visit "a sick aunt" (I suspect her name was Emma Toc), and for the rest of the week their thoughts were absolutely in the air.

What memories, too, of an evening "listening" with one of these enthusiasts. Who will forget the concatenation of sounds reputed to be coming from Croydon, Pulham, Lympne, from Paris or The Hague; or the interruptions due to constant readjustments of the gear?

A Lightning Programme.

How often did the Eiffel Tower transmission work out something like this:—

Eiffel Tower Announcer, in perfect French: "Bon jour, mesdames, bon jour messieurs. J'ai . . ."

Voice of demonstrator: "Let me try another stage of high frequency . . ."

(Ten minutes' silence, broken by violent shrieks and followed by loud Morse signals.) Eiffel Tower Announcer (in the very best French): "Bon soir, mesdames," etc., etc.

To-day, this same experimenter—for experimenters, like Peter Pan, never grow up—per-

forms his magic with his wiry box of tricks in the early hours of the morning. His reward for the burning of midnight oil is various musical and non-musical sounds from the other side of the Atlantic. He promises us one evening, "if we are prepared to sit up for it," the whole of "Yankee Doodle" direct from WXYZ, "not some second-hand affair relayed by the B.B.C." And he gets there too, hopping from New York to New Jersey, to Pittsburg, etc.

Questioning Listeners.

Since Christmas, I have assisted the revenue of most of the railway companies in this island by visiting those several areas over which the B.B.C. stations project their nightly programmes. I have made it my business to note particularly the districts in which the most rapid growth of aerials is taking place, and to meet and catechize listeners of every class and station. The outward and homeward journeys between London and the seven main provincial stations, if made separately, in each instance requires, approximately, 3,500 miles of railway travelling, or that involved in a return trip to Constantinople. On such journeys one meets extraordinary persons with extraordinary stories; one learns how varied are the tastes in different localities and how unwise it is to rely upon the past experience of others when breaking new ground, as in the case of broadcasting.

It is doubtful whether anything presented to the British people has ever gained so rapid and so intense a hold upon their imagination and interest as broadcast telephony.

Cupid gives up Wireless.

How extraordinary is the hold that wireless has secured upon some folk is illustrated in the following narrative, which is complete, except for the names of individuals.

Somewhere in England there exists a retired professional man, a bachelor in comfortable circumstances. He lived in an ancestral home, contented and quite uninterested in "new-fangled ideas." A young relative, bitten with the "craze," purchased a simple receiver, obtained quite good results from the local station, and then, not realizing the consequences, fell in love.

His evenings now being otherwise employed, the wireless set dropped out of favour, and rather than throw it aside, the young lover handed it to his bachelor uncle.

Under the Spell.

The uncle, at first indifferent, gradually fell under the spell. He enjoyed the local programmes and then, smitten with the wireless "wanderlust," started to explore the ether. By the aid of text-books he added to his set until he reached a point where his local electric-light supply began to interrupt reception. This, he declared, must not be, and failing to find a solution in new circuits, ordered the electric light to be extinguished on the night he was at home, and candles to be used in their stead.

The maids tolerated this for a few evenings, and then gave notice. New maids came and also gave notice. Matters became desperate. To-day a solution has been found. The ancestral home has been sold and a new house purchased where the electric supply does not interfere with long-distance reception. Our bachelor friend has spent nearly five thousand pounds in the process! But "he has got rid of the hum."

B.B.C. PERSONALITIES.

Dan Godfrey, Jnr.

Director of the Manchester Station.

MUSIC is in the blood of Mr. Dan Godfrey. In each of four successive generations the family has produced a distinguished musical conductor. His great-grandfather was Band-master of the Guards in 1825, his grandfather was the first to take an English Military Band to the United States after the Declaration of Independence, while his father—Sir Dan Godfrey—is the present Director of Music for the Corporation of Bournemouth.

Powerfully built and standing over 6ft. in height, the first impression he creates is one of robust amiability. Active and cheery, he is as popular on the rugger field or the "fives" court as he is with his orchestras.

Mr. Godfrey's favourite instrument is the violin, and he tells a story of how, during the war, he played to an audience that, in many respects, was the most appreciative he has met. Lying in the shelter of a small wood near St. Quentin were some troops, who had taken part in the final advance. The sergeant-major in charge asked Mr. Godfrey to play a little music to the resting men. In the dark, the men listening in perfect silence, he played them such homely airs as "Annie Laurie" and "Home, Sweet Home." The memory of their appreciation is still a live one with Mr. Godfrey.

Conducting in Costume!

It was during the war that he formed the conviction that British people are just as appreciative of good music as the people of any other nation. What they lacked was sufficient opportunity to hear it, and in those war days the desire grew to assist in widening the public appreciation of the best type of music. He is doing this now as Director of the Manchester Station, and his enthusiasm is undiminished. A keen worker, who can meet difficulties with a smile, whether they are of a purely administrative nature confronting him as Director, or whether they are of a more artistic kind to be dealt with as Conductor of the "2ZY" Orchestra, they are settled with a pleasantness fully appreciated by those connected with his work.

Recently he conducted the first Wireless Symphony Concert from the Manchester Station, which included works by Beethoven, and Coleridge-Taylor's "Tale of Old Japan." The performance brought both the conductor and the orchestra shoals of congratulations, but it was typical of him that even on this important occasion, when seventy performers—thirty-five of them instrumentalists—were crowded into the studio, he dispensed with the usual "boiled shirt" of the conductor, and wore plus fours and a coloured football jersey for his greater convenience!

A Sincere Musician.

Mr. Godfrey is, despite his athletic appearance, a very sincere musician, and has the highest appreciation of artistic standards. His experiences as conductor have been varied, from the time when he, as a student, occasionally conducted the Academy Orchestra of the Royal Academy of Music, to the time when, after the war, he organized concerts in Belgium, and at Bonn and Cologne. Those experiences are now valuable to him in Manchester, where he is engaged in the problem of organizing programmes for every day in the year. The satisfaction these give to a wide and varied public is a testimony the Director accepts with pleasure.

WATTS IN THE AERIAL.

By P. P. ECKERSLEY,
Chief Engineer of the B.B.C.

MR. REITH writes every week on "What's in the Air?" He has already saved his heading from a too exacting criticism by technologists by pointing out that it should be "What's in the aether," but that poetic licence is allowed where Science is harnessed to do the bidding of Art.

I have headed my article "Watts in the Aerial," thereby committing no terminological inexactitude and besides making a fair-sized pun.

Eight hundred or so watts in the aerial is the power we handle; of this some 100 or 200 are actually radiated out into the aether for you to pick up.

Now, a lot is written and talked and broadcast on the subject of aerials, both receiving and transmitting. Let me, as best I may, tell you one or two home truths about that collector of energy from the omnipresent aether, your aerial.

Effective versus Actual Height.

What are the desirable points in an aerial? It can be shown that the efficiency of an aerial is proportional to the square of its *effective* height, so, obviously, height is a desirable quality. But I said *effective* height, and this is not to be confused with actual height. If you take an aerial of 100 feet long, and you string it straight up into the air free from metal, you will find that its effective height is only about 50 feet.

If you take 100 feet of vertical wire and extend the wire onwards horizontally for, say, 300 feet at 100 feet above the ground, your effective height may be 70 or 80 feet. The use of the horizontal part of an aerial is to raise the effective height of the vertical part. It is the vertical part that picks up the juice; it's the horizontal part that helps it to do it better.

A tremendous lot of nonsense is talked about the directional effect. In an open field free from metal buildings, trees, and so on, an aerial whose length is comparable with its height is not in the least more effective, whichever way the horizontal part points.

Many people go to elaborate precautions to make the horizontal part of their aerial point towards their local broadcasting station; many have assured me this has made all the difference.

A Complex Problem.

While I do not doubt that changing the direction of the aerial has made a difference in this case, it has had nothing to do with directional effects; it has probably meant less shielding, less capacity to earth, or some other cause. Unless an aerial has a length some ten times its height, I have never noticed any asymmetry in its directional properties. I live to be corrected, but I will only be convinced by a direct experiment in which all other factors have been eliminated.

In applying wireless to an ordinary dwelling-house, a multitude of factors increases the complexity of the problem a hundredfold. Given an open field, proper masts, lead-ins, and so on, it is perfectly possible to calculate your aerial and write down its efficiency directly as a number, radiation efficiency so and so many per cent. Given a house with electric lighting wires, pipes, girders, either to shunt the precious juice to earth or to create heavy losses, it is impossible to calculate in the same way.

All that can be said is relative, and everyone is advised: (a) To get a good sensible height, with a measure of horizontal wire as well.

Allowing 100 feet, a nice sensible aerial would be 40 feet high and 60 feet long. (I allow for the fact that heights from the *effective* earth greater than 50 feet are difficult). (b) To see that the insulation is reasonable. Porcelain is a good material for insulating the ends. (c) To insure that the lead-in does not run close to an earth, girder or pipe. (d) To try by experiment the best earth in practice; it is often found that to earth to the water and gas pipes in parallel is a good thing. (e) Above all things, to keep the upper parts of the aerial well away from earthed metal or leafy trees.

You should realize, too, that if your neighbour starts wireless and runs an aerial within a few feet or even yards of your own, he (or she) may be easily stealing quite a lot of your precious juice.

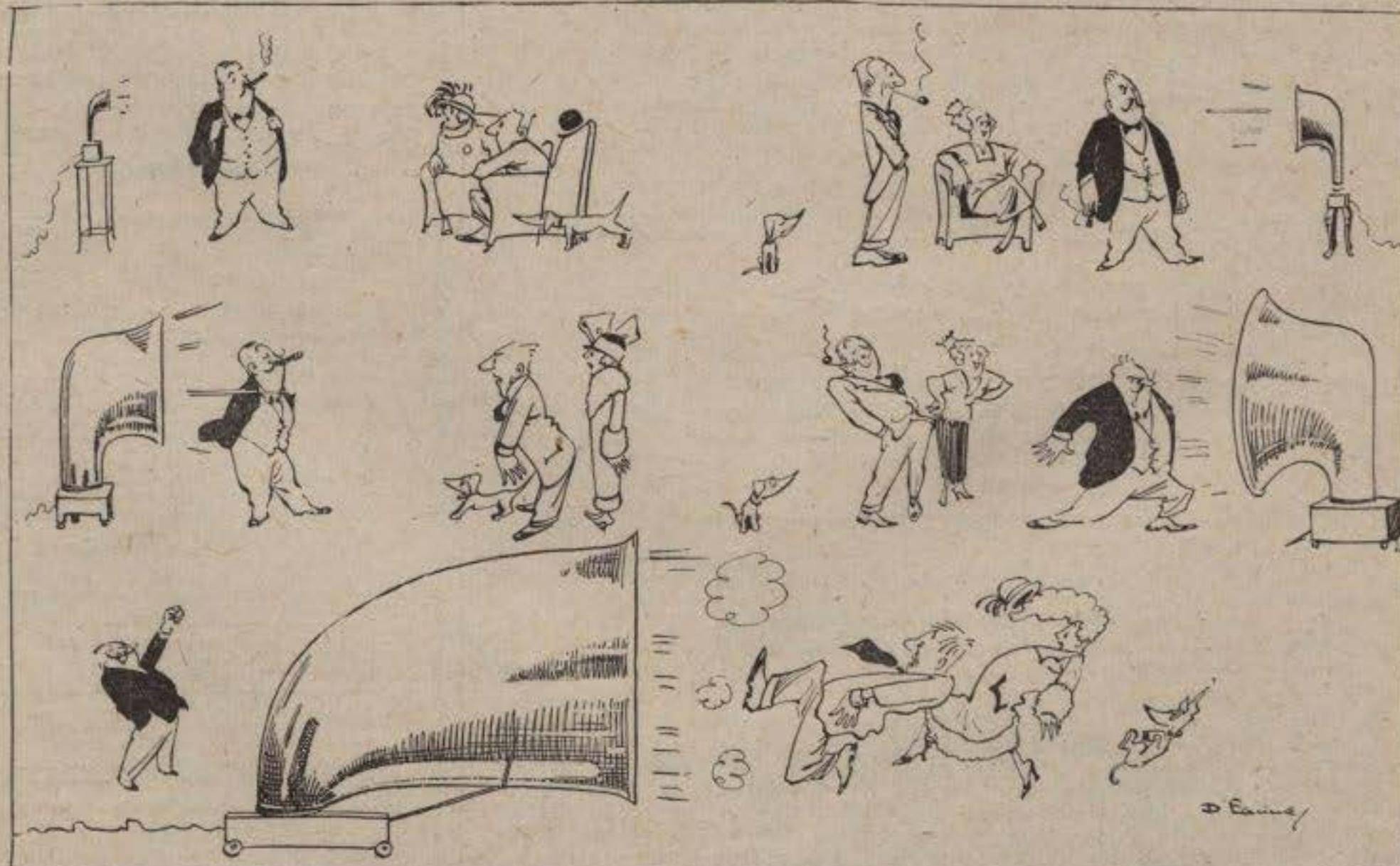
Efficiency Saves Your Pocket.

Again, in one of Mr. Reith's articles he said that there was abundance of wireless for everyone, and that there was no limit to the number of persons who might participate in the enjoyment of broadcast, and that wireless was, therefore, of the good things of the earth, free for all to enjoy, like the fresh air and the beauty of nature.

As a philosophic thought, the idea was surely excellent; in point of strict scientific accuracy, it was not wholly true; not that the latter point influences the argument in the slightest.

Beware your neighbour's aerial, therefore, and remember that such worries melt before an adequate factor of safety.

Lastly, remember the better and more efficient your aerial, the less the cost (first and running) of your apparatus.



"LOUD-SPEAKERITIS."



Designed for
the Small Room

—how large is your room?

If your room is small it may not be necessary to purchase a large Loud Speaker, and you may find that a small Loud Speaker is capable of reaching every corner of it with a soft mellow tone.

A large Loud Speaker, such as the Brown H1, is purposely designed to give a full volume of sound and is suitable for large rooms, the open air and dancing. Undoubtedly if price is a consideration the Loud Speaker for the small room is the Brown H2—a handsome instrument standing 12 inches high and incorporating the same principles as have been so successful in the large model.

Its adjustable aluminium diaphragm is so extremely sensitive that it permits every inflection of the voice to be reproduced.

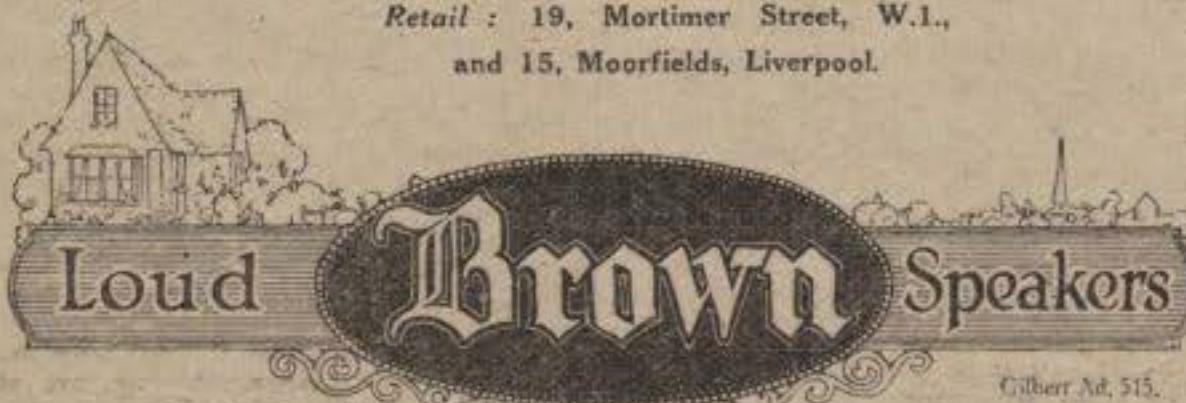
And the price is sufficiently low to place it within the reach of every Valve Set owner.

Prices

Model H.2, 12in. high	Model H.1, 21in. high
120 ohms £2 5 0	120 ohms £5 5 0
2,000 ohms £2 8 0	2,000 ohms £5 8 0
4,000 ohms £2 10 0	4,000 ohms £5 10 0

S. G. BROWN Ltd., N. Acton, W.3.

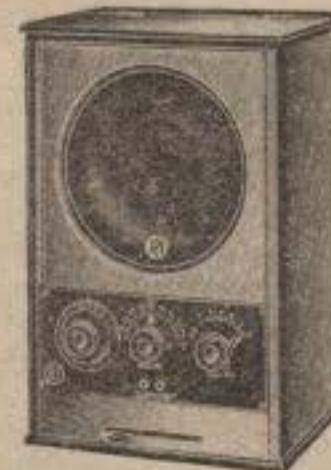
Retail : 19, Mortimer Street, W.1.,
and 15, Moorfields, Liverpool.



Gilbert Ad. 515.

EXPERIENCE

THE LATEST CONVENIENCE



THE LYRIANETTE.

2-Valve for Broadcasting only.

Price :

19 GUINEAS, Complete.

B.B.C. Tax, 15/-.

Also Made for Three Valves.

Self-contained, with the purest toned Loud Speaker, Batteries, D. E. Valves, complete in Classic Cabinet.

Write now for leaflet L2 describing this receiver.

RADIO INSTRUMENTS, Ltd.,

WORKS, OFFICES AND SHOWROOMS:

2, HYDE ST., NEW OXFORD ST., W.C.1.

Phone : Regent 6214-5-6. Telegrams : "Instratio, London." Northern Depot—19, Heywood Avenue, MANCHESTER; Trinity Home, Commercial Street, LIVERPOOL. 10

LISTEN IN AND LEARN TO SPEAK FRENCH

WITH LINGUAPHONE LANGUAGE-TEACHING RECORDS ON YOUR OWN CRAMOPHONE IN YOUR OWN HOME

Perfectly Simple. Wonderfully Fascinating.
Entertainment and Instruction Combined.

A French professor gives you personal tuition in French by your own fireside. You hear his voice, get the correct accent, the proper pronunciation, and learn to speak French yourself in the shortest possible time.

Every member of your family can receive instruction at the same time without any extra effort and under the happiest conditions.

Undoubtedly the shortest and most interesting route to a complete mastery of French.

Even if you are studying at present with a teacher, or by correspondence, the Linguaphone Language Records will help you considerably, especially to think in French, to speak in French, and to understand French.

FREE Write for booklet and full information, which costs you nothing, to Dept. H.

German, Spanish and Italian. We have a special proposition for those interested. Write for full particulars.

THE LINGUAPHONE INSTITUTE,
34 & 35, High Holborn, London, W.C.1,
ENGLAND.

Demonstrators Required.

WIRELESS PROGRAMME—ABERDEEN (Feb. 24th to Mar. 1st.)

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

SUNDAY.

- 3.0-5.0—CONCERT. *S.B. from London.*
 5.0-5.30—CHILDREN'S CORNER. *S.B. from London.*
 8.30. ALEXANDER MACGREGOR (Baritone)
 "Contrition" Beethoven (1)
 8.40. MARIE SUTHERLAND (Solo Piano)
 "Consolations" Liszt
 Rhapsody in G Minor Brahms
 8.45. THE RT. REV. THE LORD BISHOP OF WINCHESTER, M.A., D.D. *S.B. from Bournemouth.*
 9.0. Alexander MacGregor.
 "How Willing My Paternal Love" ("Samson") Handel (1)
 "Ave Maria" Kahn
 (Violin Obligato: Nancy Lee, L.R.A.M.)
 9.15. Marie Sutherland.
 "Sonata Dramatique" Beethoven
 9.30.—R. E. JEFFREY: "Bible Reading: The Story of Esther."
 9.40. Marie Sutherland.
 "Deux Préludes" Chopin
 Grande Valse in A Flat Chopin
 Nocturne in F Sharp Chopin
 "Trois Ecossaises" Chopin
 9.50. Alexander MacGregor.
 "A Legend" Tchaikovsky (1)
 "Lead, Kindly Light" Evans (11)
 10.0.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 10.15. Marie Sutherland.
 "Aufschwung" Schumann
 "Warum?" Schumann
 "Grillen" Schumann
 10.25.—Close down.
 Announcer: R. E. Jeffrey.

MONDAY.

- 3.30-4.30.—The Wireless Quartette and Barbara Ramsay (Soprano). Dance Afternoon.
 5.0.—WOMEN'S HALF-HOUR.
 5.30.—CHILDREN'S CORNER.
 6.0.—Weather Forecast for Farmers.
 6.40.—Boy Scouts' News: Scoutmaster, Miss C. Norrie; "The Tenderpad Test."
 7.0.—NEWS. *S.B. from London.*
 JOHN STRACHEY. *S.B. from London.*
 Local News and Weather Forecast.
 7.30.—"TALES OF HOFFMANN." *S.B. from London.*
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.45.—Programme (Continued). *S.B. from London.*
 10.30.—Close down.
 Announcer: H. J. McKee.

TUESDAY.

- 3.30-4.30.—The Wireless Quartette and Isobel Shaw (Soprano). Operatic Afternoon.
 5.0.—WOMEN'S HALF-HOUR.
 5.30.—SUNSHINE CORNER FOR OLD AND YOUNG KIDDIES.
 6.0.—Weather Forecast for Farmers.
 ALFRED HILL, B.Sc. (Agric.), A.I.C., "Plant Foods and Chemical Fertilizers" (Series No. 2).
 JOHN S. YOUNG, M.A., H.M. Inspector of Factories: "Accidents—Safety First."
 Weekly Agricultural Notes.
 7.0.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.

- Modern English Composers' Night.**
 7.15. THE WIRELESS ORCHESTRA.
 Suite, "Française" Foulds
 7.35. JESSIE GOVAN (Soprano).
 "Carmena" Wilson
 "Down in the Forest" Landon Ronald
 7.45. WILLIAM FERGUSON (Tenor).
 "Passing By" Purcell
 "Lorraine" Sanderson (1)
 7.55. Orchestra.
 Suite, "Wand of Youth" Elgar

- 8.10.—ALBERT ADAMS, F.R.C.O.: Weekly Music Talk: "Modern English Composers."
 8.25. Jessie Govan and William Ferguson.
 "O Lovely Night!" Ronald (1)
 8.35. Orchestra.
 "Bagatelle" Ireland (11)
 "Yellow Jasmine" Cowan
 "Among the Poppies" Coates
 8.50. Jessie Govan.
 "The Splendour of the Morn" Sanderson
 "Sing, Joyous Bird!" Phillips
 9.0-9.30.—Interval.
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.45. Orchestra.
 "In Memoriam" Sullivan (1)
 Suite, "Nero" Coleridge-Taylor
 9.55. William Ferguson.
 "Sometimes in My Dreams" D'Hardelot
 "Sigh No More" Aiken (14)
 10.5-10.15.—Interval.
 10.15.—THE SAVOY BANDS. *S.B. from London.*
 11.0.—Close down.
 Announcer: W. D. Simpson.
- WEDNESDAY.**
- 3.30-4.30.—Dorothy Mitchell (Mezzo-Soprano) and the Wireless Quartette: Popular Afternoon.
 5.0.—WOMEN'S HALF-HOUR.
 5.30.—CHILDREN'S CORNER.
 6.0.—Weather Forecast for Farmers.
 6.5.—MADAME LEFEVRE, French Talk and Instruction No. 9.
 7.0.—NEWS. *S.B. from London.*
 ARCHIBALD HADDON. *S.B. from London.*
 Local News and Weather Forecast.
- Dance Night.**
- 7.30.—THE WIRELESS JAZZ ORCHESTRA.
 Waltz, "Nellie Kelly, I Love You"; Fox-trot, "Twilight-Time."
 7.40.—WALTON BROWNE (Entertainer at the Piano).
 " Wonderful One" Whiteman
 7.50. Jazz Orchestra.
 Waltz, "Swing Time"; Fox-trot "Tom-Tom."
 8.0. BURNETT DICKSON (Baritone).
 "Rolling Down to Rio" German (7)
 "The Yeoman's Wedding Song" Poniatowski (1)
 8.10. Jazz Orchestra.
 Fox-trot, "Slumberland"; Fox-trot, "My Rambler Rose."
 8.20.—R. E. JEFFREY: Talk for Thoughtful People (Mind Training Series, No. 3), "Mind-Control."
 8.35. Walton Browne.
 "That's Another One Gone" Darewski (3)
 8.45. Jazz Orchestra.
 Waltz, "Swaying"; Fox-trot, "Nights in the Woods"; Waltz, "Shadow Waltz."
 9.0-9.30.—Interval.
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.45. Burnett Dickson.
 "A Devonshire Wedding" Phillips
 "Hurrah for the Highlands" Fletcher
 9.55. Jazz Orchestra.
 Waltz, "Abandon"; Fox-trot, "Katrina"; Waltz, "Dear Love, My Love."
 10.10. Walton Browne.
 "I'm Tickled to Death I'm Single" Gideon
 "Love Makes the World Worth While" Darewski (3)
 10.20. Jazz Orchestra.
 Waltz, "Reveil d'Amour"; Fox-trot, "Joseph."
 10.30.—Close down.
 Announcer: R. E. Jeffrey.
- THURSDAY.**
- 3.30.—The Wireless Quartette.
 4.30.—R. E. Jeffrey: This Week's Interesting Anniversary, "Death of Sir Christopher Wren."
 5.0.—WOMEN'S HALF-HOUR.
 5.30.—CHILDREN'S CORNER.
- 6.0.—Weather Forecast for Farmers.
 6.40.—Boys' Brigade News, Capt. J. R. Brown, Convenor, Sports Committee, "The Methods of the B.B.—Sport."
 7.0.—NEWS. *S.B. from London.*
 PERCY SCHOLES. *S.B. from London.*
 Radio Society Talk, *S.B. from London.*
 Local News and Weather Forecast.
- Vocal Night.**
- MR. R. WATSON'S QUARTETTE PARTY.
 DOROTHY PUGH Soprano
 CATHERINE PATERSON Contralto
 G. ROY WILLIAMSON Tenor
 ROBERT WATSON Baritone
 7.30.—Song Cycle: "In a Persian Garden" Lehmann
 8.5.—WILLIAM CRAIGHEAD: "A Few Scottish Dialect Stories."
 8.20. THE WIRELESS ORCHESTRA.
 " Weymouth Chimes" Howgill.
 8.25. Quartette Party.
 "Eight Nursery Rhymes" Walford Davies (1)
 8.40. Orchestra.
 "Pagoda Flowers" Woodforde-Finden (1)
 8.55. Catherine Paterson.
 "O Love from Thy Power" ("Samson and Delilah") Saint-Saëns
 9.0.—PETER CRAIGMYLE, Scottish League Referee, "Weekly Book Talk."
 9.15-9.30.—Interval.
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.45. Orchestra.
 "Valse Lenie" Ronde (1)
 "Pizzicato" Ronde (1)
 9.55. G. Roy Williamson.
 "Where'er You Walk" Handel (1)
 10.0. Dorothy Pugh.
 Waltz Song, "Tom Jones" German
 10.5. Robert Watson.
 "The Pipes of Pan" Elgar (1)
 10.15.—THE SAVOY BANDS. *S.B. from London.*
 11.0.—Close down.
 Announcer: R. E. Jeffrey.
- FRIDAY.**
- 3.30-4.30.—The Wireless Quartette and Cathie Thomson (Soprano): Classical Afternoon.
 5.0.—WOMEN'S HALF-HOUR.
 5.30.—SUNSHINE CORNER FOR YOUNG AND OLD KIDDIES: Ruby Carroll (Soprano); "Fairies Lullaby," G. Beedie Esslemont (Baritone); "Just So Song," Ruby Carroll (Soprano); "Soldiers,"
 6.0.—Weather Forecast for Farmers.
 6.5.—Scholars' Hour: John A. Chisholm, Interim Head, Engineering Dept., Robert Gordon's Technical College, "Engineering as a Profession."
 6.25.—Answers to Scholars' Queries.
 7.0.—NEWS. *S.B. from London.*
 G. A. ATKINSON. *S.B. from London.*
 Local News and Weather Forecast.
 7.30.—Programme *S.B. from London.*
 8.15. THE WIRELESS ORCHESTRA.
 Overture, "Fingal's Cave" Mendelssohn
 8.25. "BONNIE DUNDEE." (Frank Richardson.)
 A Play in One Act.
 Cast:
 Margaret Elphinstone DAISY MONCUR
 Lady Elphinstone (Her Mother) JOYCE TREMAYNE
 Arthur Clelland (Her Betrothed) W. D. SIMPSON
 Balfour of Burley (Covenanter) G. R. HARVEY
 Gird-Up-Your-Loins Starkie (Covenanter) R. G. McCALLUM
 John Graham of Claverhouse (Viscount Dundee) R. E. JEFFREY
 9.10-9.30.—Interval.
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.

(Continued in col. 1, page 349)

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 347

CLARNICO LILY BRAZILS

8^d PER 1/4 LB.

PLUG-A-PHONE

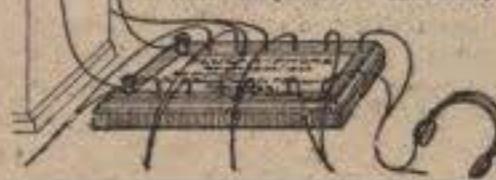
MULTIPLE HEADPHONE CONNECTOR

Enables from one to six pairs of headphones to be connected to any crystal or valve set without disturbing the instrument or loss of volume. Now made in Solid Oak or Mahogany at 3/- each, post free. Send for one to-day and enable your friends to listen-in with you. May be used in any room. A BOON TO INVALIDS.

Money refunded if not entirely satisfied.

The Milborne Manufacturing Company, 412, Stockport Road, Manchester.

TRADE ENQUIRIES INVITED.



GREAT BARGAIN! The Famous Curzon 4 in 1 Triple Proofed Gabardine TRENCH COAT

(The Famous Officer's Coat).



On sale in London and
Birmingham.
When ordering mention
"Radio Times."

NOW REDUCED TO

34/6

Carriage Paid.

This Coat is in every respect identical to the original Coat as first introduced by us. There is no Coat on the market that can compare with the Curzon Coat for value. This Coat is a combined Winter Overcoat and Raincoat. Its unique features are: 1. It is lined with smart check plaid. 2. It is rubber interlined. 3. It has a detachable wool lining (for cold weather use), which can be removed in a minute during mild, rainy weather. 4. All materials used in the production of this Coat are guaranteed fast dyes.

Post free on receipt of 34/6, under our guarantee to refund your money should the coat on delivery fail to give satisfaction. When ordering give height and chest measurement (taken over waistcoat). Customers abroad please add 2/6 per coat extra to cover postage.

Orders by post to

CURZON BROS., LTD.,
36-37 New Bridge Street, London, E.C.4

ALL WIRELESS GOODS
ADVERTISED IN
THIS PAPER CAN
be obtained from

YOUNG'S

(GLASGOW), LTD.

40, Stockwell St., Glasgow

Enquiries invited. Lists Free.

Telephone: Bell 2310. Telegrams: "Aerial," Glasgow.

Mr. FRANK BROADBENT,

Teacher of Singing and Voice Production.

Six of Mr. Broadbent's pupils have been engaged and have sung for the British Broadcasting Company at their London station during the last six months.

Appointments made by post only.

12, Nottingham Place, London, W.1.

BABY CAR BARGAINS

MANUFACTURERS' EXHIBITION STOCK.

Less than HALF List Prices. Cash or Easy Payments.

SENT ON APPROVAL BEFORE PURCHASE.

BALL BEARING WHEELS.

Motor Panelled Body 39ins. **6½ & 8 gns.**

Also Bargains in Victoria, Fold-out Push Cars, Coats, and Baby Chairs.

Complete.

CALL OR WRITE at once for full particulars.

UNIVERSAL SUPPLY ASSOCIATION,

6, Universal House, Salisbury Sq., Fleet St., London, E.C.4.



Charge Your Own ACCUMULATORS AT HOME FREE OF ALL COST

Cut out the continual weekly expense of having your accumulators charged. Eliminate the annoyance of being left with accumulators run down just when you want them most and the trouble of carrying them to the nearest garage for re-charging.

Do away with all this NOW, by charging your own accumulators at home and absolutely without cost.

If you have a direct current lighting or power circuit of any voltage all you need to charge your own accumulators at home is the

ULINKIN

(Prov. Pat. No. 5002/23)

THE HOME BATTERY CHARGER

which charges your accumulators free of cost whenever you are using electricity for lighting or heating purposes.

Just as the saddle back boiler in your kitchen grate gives you hot water free, so does the ULINKIN charge your accumulators FREE, when you are using electric current for lighting or heating purposes.

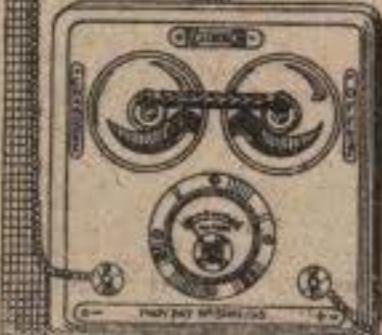
Requires no attention and cannot go wrong.

AUTOMATIC IN ACTION
NO LAMPS NO REGULATOR
NO RESISTANCE
PRACTICALLY EVERLASTING

Price £2 : 2 : 0 Carriage Free.

Complete with simple instructions for fixing.
Illustrated Pamphlet and full particulars
post free on request.

Note Distributing Agents:
The GRAN-GOLDMAN SERVICE
(Dept. R.T.)
71, Fleet Street, London, E.C.4.



How I did it

The Old Method.

I'd had the very bitter experience of putting up a toilet fixture on a tiled wall in the bathroom. After chipping a hole in the tile, which cracked in all directions, forcing a wood block into the unsightly hole, the fixture was loose and insecure, and looked hideous.

Then I bought a Rawlplug Outfit. I made two small holes in the tile with the Rawlplug Tool supplied, slipped a Rawlplug into each hole and screwed home the fixture. The whole job only took a few minutes, there was no mess and the fixture is now neat, strong and permanent.

In fixing anything to a wall of any material, brick, plaster, concrete, tile, etc., always use Rawlplugs.

RAWLPLUGS can be obtained from all Ironmongers, Stores and Electricians.

BUY AN OUTFIT TO-DAY.

RAWLPLUGS



WALL PLUGS

Household Cuttiff (No. 8 size).
50 Rawlplugs, Toolholder and Bit, supply
of screws and hooks,
with full instructions. **3/6**

Mechanic's Cuttiff (No. 8 size).
100 Rawlplugs, Special Toolholder and 2
Bits, supply of screws and hooks,
with full instructions. **5/6**

The Rawlplug Method.



The Rawlplug Co., Ltd., London, S.W.7.

WIRELESS PROGRAMME—GLASGOW

(Feb. 24th to Mar. 1st.)

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

SUNDAY.

- 3.0-5.0.—CONCERT. *S.B. from London.*
 5.0-5.30.—CHILDREN'S CORNER. *S.B. from London.*
 8.30.—ISAAC LOSOWSKY (Solo Violin).
 "Samoa Lullaby" *Tod Boyd*
 Waltz *Brahms-Hochstein*
 "Turkish March" *Beethoven-Auer*
 8.45.—THE RT. REV. THE LORD BISHOP OF WINCHESTER, M.A., D.D. *S.B. from Bournemouth.*
 Recital of
 OLD SCOTTISH PSALM TUNES
 by
 THE WESTBOURNE CHURCH CHOIR.
 Conducted by
 MR. A. M. HENDERSON
 (Organist to the University of Glasgow), who will also speak on the history and character of the Old Scottish Psalm Tunes—Stracathro, Kilmarnock, Martyrdom, Selma, Orlington, St. Andrew, St. Mary, University.
 9.45.—Isaac Losowsky.
 "Souvenir" *Drdla*
 "Londonderry Air" *arr. O'Connor Morris*
 "Liebesfreud" *Kreisler*
 10.0.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 10.15.—Special Announcements. Close down.
 Announcer: Herbert A. Carruthers.

MONDAY.

- 3.30-4.30.—An Hour of Melody.
 4.45.—A TALK TO WOMEN.
 5.15.—THE CHILDREN'S CORNER.
 6.0.—Weather Forecast for Farmers.
 7.0.—NEWS. *S.B. from London.*
 JOHN STRACHEY. *S.B. from London.*
 Local News and Weather Forecast.
 7.30.—"Tales of Hoffmann." *S.B. from London.*
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.45.—Programme (cont'd.). *S.B. from London.*
 10.30.—Special Announcements. Close down.
 Announcer: Mungo M. Dewar.

TUESDAY.

- 3.0-3.30.—Norman Austin's "Musical Moments," relayed from La Scala Picture House.
 3.30-4.30.—An Hour of Melody.
 4.45.—A TALK TO WOMEN.
 5.15.—THE CHILDREN'S CORNER.
 6.0.—Weather Forecast for Farmers.
 7.0.—NEWS. *S.B. from London.*
 7.15.—French Talk. *S.B. from London.*
 Local News and Weather Forecast.
 7.30.—MR. RICHARD WHYTE on "The Honey Bee and Man."

Band Night.

- 7.10.—THE PARKHEAD FORGE SILVER PRIZE BAND.
 Overture, "The Bohemian Girl" *Greenwood*
 Entr'acte, "O Sole Mio" *Hartmann*
 Selection, "Echoes of Rossini" *Greenwood*
 March, "The Cossack" *Rimmer*
 8.23.—LIDDELL PEDDIESON (Tenor).
 "A May Morning" *Deza*
 "Per La Gloria" *Bonocini*
 "Through the Forests" *Weber*
 8.35.—Band.
 Variations of Welsh Melodies *Rimmer*
 Trombone Duet, "The Slippery Side" *Trenchard*
 Grand March from "Tannhäuser" *Wagner*
 9.0.—JAMES M. KENNEDY on "Milk, from Byre to Breakfast Table."
 9.10-9.20.—Interval.
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.45.—Liddell Puddieson.
 "Serenade" *Brahms*
 "All Souls' Day" *Strauss*
 "Prelude" *Cyril Scott (4)*

- 9.57.—Band.
 National Fantasia, "Sons of Britannia" *Rimmer*
 Fox-trot, "Blue" *Handmann (7)*
 Descriptive Piece, "A Motor Trip" *Shipley Douglas*

- March, "Arcandab" *Thomson*
 10.30.—Special Announcements. Close down.
 Announcer: Herbert A. Carruthers.

WEDNESDAY.

- 3.30-4.30.—An Hour of Melody.
 4.45.—A TALK TO WOMEN.
 5.15.—THE CHILDREN'S CORNER.
 6.0.—Weather Forecast for Farmers.
 7.0.—NEWS. *S.B. from London.*
 ARCHIBALD HADDON. *S.B. from London.*
 Local News and Weather Forecast.
 Boys' Brigade News.

Classical Programme.

- Conductor, Herbert A. Carruthers.
 7.30.—ORCHESTRA.
 Overture, "Prometheus" *Beethoven, 1770-1827*
 7.42.—JOHN MATHEWSON (Baritone).
 Aria from "Faust," "Even Bravest Heart" *Gounod*
 "The Two Grenadiers" *Schumann*
 7.52.—Orchestra.
 Symphony, "The Unfinished" *Schubert*
 8.15.—MRS. A. M. HENDERSON (Soprano).
 "Thine Heart, O Give Me, Dearest" *Boch*
 8.20.—Orchestra.
 Symphony, "The Unfinished" (Contd.) *Schubert*

- 8.35.—John Mathewson.
 "Come and Wander with Me" *Cornelius*
 "At Night" *Rachmaninoff*
 8.45.—Orchestra.
 Symphonic Poem, "Les Préludes" *Liszt*
 9.0-9.30.—Interval.
 9.30.—NEWS. *S.B. from London.*
 9.45.—Orchestra.
 Ballet Music, "Rosamunde" *Schubert, 1797-1828*

- 9.55.—Mrs. A. M. Henderson.
 Selection from "Water Music" *Handel*
 Minuet, Gavotte, Bourree (1685-1759).
 Overture, "Fingall's Cave" *Mendelssohn, 1809-1847*

- 10.30.—Special Announcements. Close down.

Announcer: Herbert A. Carruthers.

THURSDAY.

- 3.30-4.30.—An Hour of Melody.
 4.45.—A TALK TO WOMEN.
 5.15.—THE CHILDREN'S CORNER.
 6.0.—Weather Forecast for Farmers.
 7.0.—NEWS. *S.B. from London.*
 PERCY SCHOLES. *S.B. from London.*
 Radio Society Talk. *S.B. from London.*
 Local News and Weather Forecast.
 7.35-8.35.—Programme. *S.B. from London.*
 8.35.—RONALD W. GOURLEY (Entertainer).
 "Music and Humour."
 8.50.—ORCHESTRA.
 Conducted by Herbert A. Carruthers.
 Overture, "French Comedy" *Kela Bela*
 9.0-9.30.—Interval.
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.45.—Orchestra.
 Selection, "The Quaker Girl" *Monckton*
 10.0.—Ronald W. Gourley, "Music and Humour."
 10.15.—Orchestra.
 Entr'acte, "Spanish Scenes" *J. H. Adams*
 March, "Viscount Nelson" *Zehle*
 10.30.—THE SAVOY BANDS. *S.B. from London.*
 11.0.—Special Announcements.
 Close down.
 Announcer: Herbert A. Carruthers.

FRIDAY

- 3.0-3.30.—Norman Austin's "Musical Moments" relayed from La Scala Picture House.

- 3.30-4.30.—An Hour of Melody.
 4.45.—A TALK TO WOMEN.
 5.15.—THE CHILDREN'S CORNER.
 6.0.—Weather Forecast for Farmers.
 7.0.—NEWS. *S.B. from London.*
 G. A. ATKINSON. *S.B. from London.*
 Local News and Weather Forecast.
 7.30.—Dance Music.
 8.15.—"A LEAP YEAR COMEDY."
 By Frederick Kerr.
 Produced by GEORGE ROSS.
 8.45.—ORCHESTRA.
 Fox-trot "Don't Waste Your Tears Over Me"; Waltz, "Let All the World Go By"; One-step, "Oh Harold!" (7)
 9.0.—J. STIRLING BROWN, A.S.A.A., on "What is Income Tax?"
 9.10-9.30.—Interval.
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 9.45.—Orchestra. Dance Music.
 10.30.—Special Announcements. Close down.
 Announcer: Mungo M. Dewar.

SATURDAY.

- 3.30-4.30.—An Hour of Melody.
 4.45.—A TALK TO WOMEN.
 5.15.—THE CHILDREN'S CORNER.
 6.0.—Weather Forecast for Farmers.
 7.0.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 7.15.—ROBERT J. HOWIE on "The Art of Home Furnishing."
 7.25.—ORCHESTRA.
 Conducted by HERBERT A. CARRUTHERS.
 Overture, "Semiramide" *Rossini*
 7.35.—GEORGE H. MARTIN (Tenor).
 "Tre giorni son che Nina" *Pergolesi*
 "Vado ben Spesso" *Salvator Rosa*
 7.45.—ALDON AND PHILLIPS (Zither Banjoists).
 "Radio March" *Stainer*
 "Minstrel Man" *Grimesby*
 7.55.—PIPE BAND OF 7TH (BLYTHSWOOD) H.L.I.
 (By permission of the Colonel, G. P. Linton, O.B.E., M.C., T.D., and Officers.)
 Slow March, "True Lover's Lament."
 March, "Captain Henderson."
 Strathspey, "Highland Harry."
 Reel, "To America We'll Go."
 8.5.—Selection, "Oh! Oh! Delphine!" *Coryll*
 8.15.—George H. Martin.
 "Mother o' Mine" *Frank E. Tours*
 "Old Bridget" *Berger*
 8.25.—Aldon and Phillips.
 "Georgia Medley" *Morley*
 "In Lantern Light" *Marshall*
 8.35.—Pipe Band.
 Slow March, "Battle of the Somme."
 March, "Capt. McLean of Pennyross."
 Strathspey, "Tullochgorum."
 Reel, "Duartroon."
 8.45.—Orchestra.
 Suite, "The Merchant of Venice" *Rosse*
 9.0-9.30.—Interval.
 9.30.—NEWS. *S.B. from London.*
 Local News and Weather Forecast.
 Capt. P. P. Eckersley. *S.B. from London.*
 9.45.—Aldon and Phillips.
 "Darkey Chuckle" *Morley*
 "To the Front" *Cannister*
 9.55.—Orchestra.
 Waltz, "Amorettenanz" *Gung'l*
 10.5.—George H. Martin.
 "To Phoebe" *G. H. Martin*
 "Kitty of Coleraine" *G. H. Martin*
 10.15.—Orchestra.
 Entr'acte, "In Old Versailles" *Gabriel Marie*
 Intermezzo, "Mystic Beauty" *Frick*
 March, "Vito" *Lopz*
 10.30.—Special Announcements. 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 347.

— Buy British Goods Only. —

Actual performance has proved beyond doubt the outstanding superiority of Ediswan Valves. Every day adds to their reputation. In addition they are fitted with the new Safety Cap (Prov. Pat.) which prevents the filament pins making contact on the wrong sockets.

Read what one satisfied user writes :

Type A.R. '06. 21st December, 1923.

Allot me to compliment you on the excellent performance and satisfaction which they give. Using three valves, 1 H.F.D., 1 L.P., with filament voltage 2.5 and plate voltage 50, I can receive all the B.B.C. stations on a large loud-speaker without any distortion or microphonic effect from the valves.

FRANK S. VALENTINE,

Hon. Sec. Exeter and District Wireless Society.

Types "A.R." and "R." - - - 12/6

Type A.R.D.E. - - - - - 21/-
(Dull Emitter)

Type "A.R. '06."

The Latest Dull Emitter - - 30/-

This valve can be run off dry cells, reducing upkeep costs to a minimum. The current consumption at a filament voltage of 2.5 volts is only .06 of an ampere.

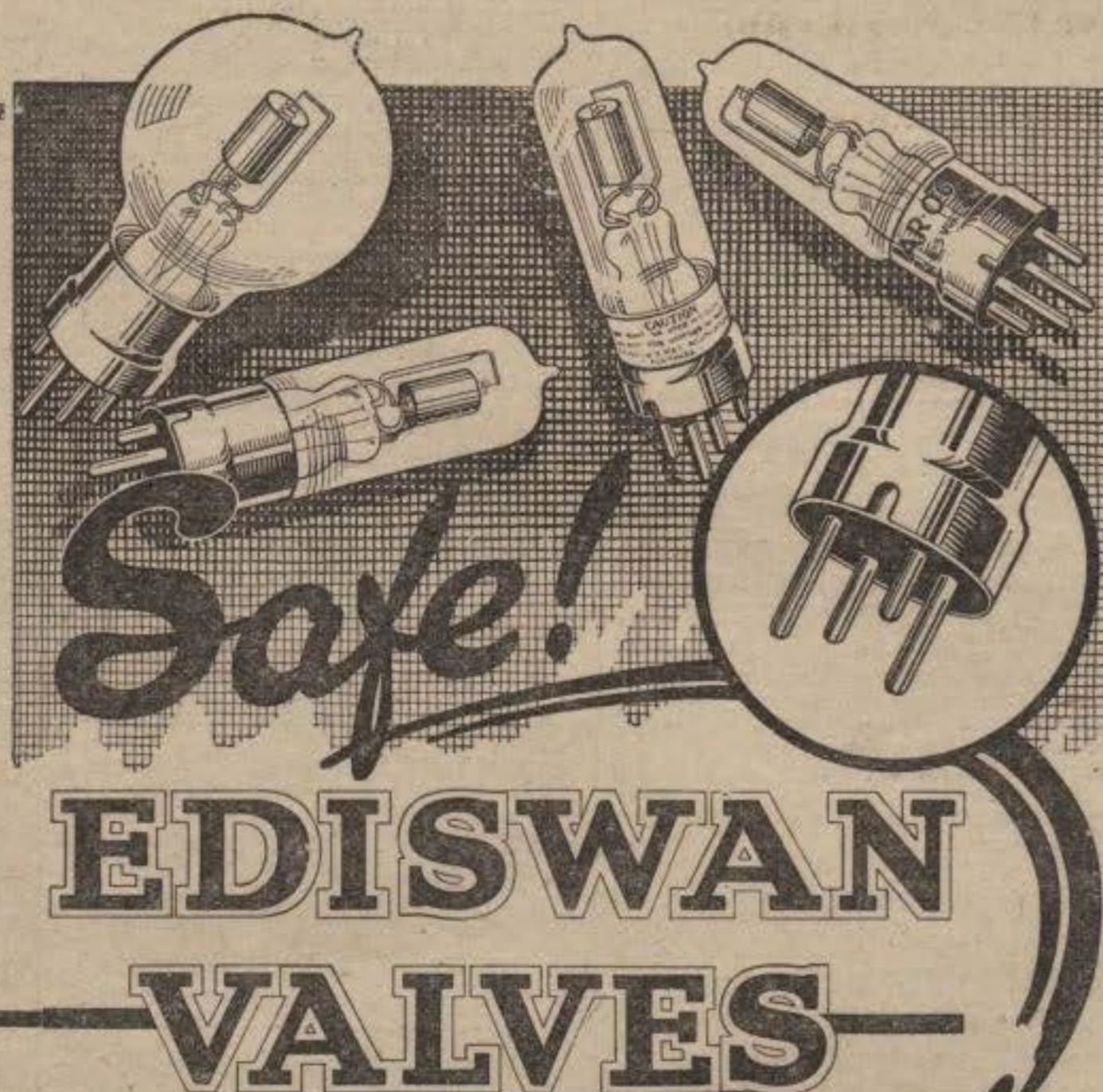
Have you had your FREE copy of Illustrated Booklet, "The Harmonic Valve"? If not, send a postcard to-day.

Your dealer holds stocks to supply you. If not, write us direct, giving his name and address.

THE EDISON SWAN ELECTRIC Co., Ltd.,
123/125, Queen Victoria Street, E.C.4,
and 71, Victoria Street, S.W.1.

Franchises in all
Principal Towns.
Works: Ponders
End, Middlesex.

Contractors to
H.M. Admiralty,
War Office, Royal
Air Force.



YOU CAN PLAY THE PIANO TO-DAY

By
Naunton's National Music
System

FAILURE IS IMPOSSIBLE

You cannot fail. All you have to do is to sit down to the piano with once—HYMNS, DANCE MUSIC.

50,000 NAUNTON STUDENTS NOW PLAY PERFECTLY. SO CAN YOU.

It makes no difference whether you have had previous lessons or not, whether you are eighty years of age or only eight, we guarantee that you can play the piano to-day by this wonderful and simple system. There are no sharps, flats, or theoretical difficulties to worry you, and no tiresome or wearisome exercises or scales to be learnt. You play correctly with both hands at once. No difficulty or drudgery whatever.

NO FLATS, SHARPS, SCALES, OR EXERCISES.

Take advantage of the offer we make on the Compo, and by return of post you will receive **sight tunes** which we guarantee you can play; thus you can prove for yourself the simplicity of our system and the accuracy of our statements. This small outlay will open up the delights of the vast realm of music to you, and give you many years of purest pleasure.

A Pupil writes :

"I think your system is splendid. Before I began on the course I had not any knowledge of music. Now I can play anything. It is the quickest and easiest way anyone could try."

SPECIAL TRIAL OFFER COUPON.

Radio Times, Feb. 22nd, 1924.

To the Manager, Naunton's National Music System,
27, High Street, Oxford Street, London, W.C.1

I send herewith postal order for **One Shilling and Sixpence**, in return for which please send me your "Special No. 1," containing eight tunes, published at 2/6; also particulars of how I can become a thorough musician.

NOTE.—Please fill in postal order payable to Naunton's National Music System.

To Colonial and Foreign readers: British money and postal orders only accepted.

Name.....

Address.....

Date.....

AUDION REGISTERED



L TYPE PATENT.

L Type 4,000 Ohms
14/6 Pair. Postage 6d.

G.D. Type
Super Sensitive
4,000 Ohms 22/6 Pr.
8,000 ... 26/6 ..
Postage 6d.

HIGHEST
POSSIBLE
EFFICIENCY
AT
POPULAR
PRICES.
ALL BRITISH.

AUDION SPECIALITIES



No. L.S.41
(JUNIOR.)

29/6 Postage 1/6.

LOUD SWEET and CLEAR.

This instrument is fitted with an up-to-date powerful speaking unit and no other requires less power to operate satisfactorily. A trial only is required to convince of its excellent performance.

NOTE: MONEY RETURNED IF GOODS NOT APPROVED AND RETURNED UNDAMAGED WITHIN 7 DAYS.

TURNOCKS'

TELEPHONE - HIGH STREET, ASTON,
WORKS, BIRMINGHAM.

SUNDAY'S PROGRAMME.

(Continued from page 327.)

MANCHESTER.

"Fantasie Medley"	Nature
George W. Gaythorpe.	
"The Little Shepherd"	Dubussy
"Refrain de Berceau"	Palmgren
"The Musical Box"	De Sevres
10.30.—Close down.	
Announcer : Victor Smythe.	

NEWCASTLE.

3.0-5.0.—CONCERT. S.B. from London.	
5.0-5.30.—CHILDREN'S CORNER. S.B. from London.	
8.30.—ERNEST HIND (Baritone).	
"Requiem"	Peel (1)
"Salutation"	Lang (4)
"Farewell, Thou Outbound Ship"	Lambert (5)
8.40.—Hymn, "O God, Our Help in Ages Past."	(A. and M. 165).
8.45.—THE REV. T. MILLER JOHNSON : Address.	
9.0. Ernest Hind.	
Hymn, "The Day Thou Gavest" (A. and M. 477).	
9.5. OLIVE TOMLINSON'S TRIO.	
Trio in B Flat, 1st Movement	Beethoven
9.15. OLIVE TOMLINSON (Solo Piano).	
"Novelette"	
"Nocturne"	Schumann
"Why?"	
"Whims"	
"Lullaby"	Bax
"Ragamuffin"	Ireland
9.25. Ernest Hind.	
"King Charlie"	White (1)
9.30. Trio.	
Trio in B Flat, 2nd Movement	Beethoven
9.40. Olive Tomlinson.	
Sonata in B Minor, 4th Movement	Chopin
9.45. Trio.	
Trio in B Flat, 3rd and 4th Movements	Beethoven
10.0.—NEWS. S.B. from London.	
Local News and Weather Forecast.	
10.10. Trio.	
"Country Magic"	Gibbs
10.20.—Close down.	
Announcer : E. L. Odhams.	

TUESDAY'S PROGRAMME.

(Continued from page 331.)

MANCHESTER.

9.10. Band.	
Fox-trot, "I Love Me" (9); Blues, "Why did Robinson Crusoe Get the Blues?" (9); Fox-trot, "Carolina Mammy" (7); Waltz, "Angelus" (6); One-step, "Monkey Doodle Harem"; Fox-trot, "Apple Sauce"; Fox-trot, "Who Cares?" (9).	
9.30.—NEWS. S.B. from London.	
Local News and Weather Forecast.	
9.45.—Ronald Gourley : Humour and Music.	
10.0.—THE SAVOY BANDS. S.B. from London.	
11.0.—Close down.	
Announcer : Victor Smythe.	

NEWCASTLE.

3.45.—Concert : William A. Crosse (Solo Piano), Madame Charles Forster (Soprano), Dan Jacobs (Solo Euphonium).	
4.45.—WOMEN'S HOUR.	
5.15.—CHILDREN'S HOUR.	
6.0.—Scholars' Half-Hour : Charles Wain on "Moths and Butterflies."	
6.45.—Farmers' Corner.	
7.0.—NEWS. S.B. from London.	
French Talk. S.B. from London.	
Local News and Weather Forecast.	
7.35. THE WIRELESS ORCHESTRA.	
Conductor : William A. Crosse.	
March, "Chantons et Sifflons" ... Camusat	
Hungarian Dance No. 4 Brahms	

7.45. ARCHIBALD FAIRBAIRN	
(Elocutionist).	
7.55. BETTY HUMBLE (Soprano).	
"Starry Woods" Phillips	
"Good Morning, Brother Sunshine" Lehmann	
8.5. Orchestra.	
Valse, "Vienna Life" Strauss	
8.15. HUDSON BARNSLEY (Bass-Baritone).	
"The King's Minstrel" Pinsuti (5)	
"Blow, Blow, Thou Winter Wind" Sarjeant (1)	
8.25. Orchestra.	
Melodies from "The Marriage Market" Jacobi	
8.35. Betty Humble.	
"Cupid and the Rose" Lehmann (1)	
"The Piper of Love" Carew	
"Angels Guard Thee" Godard	
8.45. Hudson Barnsley.	
"Young Dietrich" Henschel	
"Friar of Orders Grey" Reeve	
8.55. Orchestra.	
Entr'acte, "Angels' Serenade" Braga	
9.0-9.30.—Interval.	
9.30.—NEWS. S.B. from London.	
Local News and Weather Forecast.	
9.45.—Archibald Fairbairn.	
9.55. Orchestra.	
Overture, "Le Caid" Thomas	
Fox-trot, "Oh Gee! Oh, Gosh!" Breuer (6)	
10.5.—THE SAVOY BANDS. S.B. from London;	
11.0.—Close down.	
Announcer : C. K. Parsons.	

WEDNESDAY'S PROGRAMME.

(Continued from page 333.)

NEWCASTLE.

7.35. THE WIRELESS ORCHESTRA.	
Conductor : William A. Crosse.	
Incidental Music "Henry VIII" Sullivan	
7.45.—ROBERT STRANGEWAYS (Baritone).	
"The Curfew" Gould	
"Ho! Jolly Jenkin" Sullivan	
7.55. MAY JOBSON (Contralto).	
"Beloved, It is Morn" Aylward	
"The Oak and the Ash" Old English (1)	
8.5. Orchestra.	
Valse, "Morning Journals" Strauss	
8.15.—ROBERT GOURLEY (Entertainer).	
8.25. ERICA KING (Soprano).	
"Secrecy" Wolf	
"The Elf's Trip" Gounod	
8.35. Orchestra.	
Excerpts from "The Rose of Persia" Sullivan	
8.45. May Jobson.	
"All Through the Night" Old Welsh Air (1)	
"Dear Harp of My Country"	
"John Anderson, My Jo" Scotch Air (1)	
8.55. Erica King.	
"Love's Philosophy" Ronald (5)	
"Waves" Phillips	
9.0-9.30.—Interval.	
9.30.—NEWS. S.B. from London.	
Local News and Weather Forecast.	
9.45. Orchestra.	
"Chanson de Nuit" Elgar (11)	
"Chanson de Matin" Elgar (11)	
9.55. Robert Gourley (Entertainer).	
10.5. Robert Strangeways.	
"Port of Many Ships" Salt Water Ballads	
"Trade Winds" Keel (1)	
"Mother Carey" Keel (1)	
10.15. Orchestra.	
Melodies from "The Emerald Isle" Sullivan	
10.30.—Close down.	
Announcer : C. K. Parsons.	

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

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.
6. Feldman, B. and Co.
7. Francis, Day and Hunter.
8. Larway, J. H.
9. Lawrence Wright Music Co.
10. Cecil Lennox and Co.
11. Novello and Co., Ltd.
12. Phillips and Page.
13. Reynolds and Co.
14. Stainer and Bell, Ltd.
15. Williams, Joseph, Ltd.
16. Cavendish Music Co.

THURSDAY'S PROGRAMME.

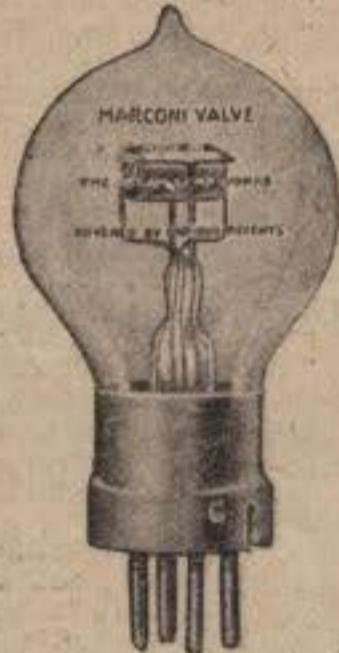
(Continued from page 335.)

NEWCASTLE.

3.45.—Concert : Lambert Flack's Quartette—	
Fred Flack (Solo Piano), J. MacMenamy (Solo Violin), L. C. Flack (Solo Flute), J. Griffiths (Solo Cello).	
4.45.—WOMEN'S HOUR.	
5.15.—CHILDREN'S HOUR.	
5.30.—Close down.	
Announcer : E. L. Odhams.	

Sets the Seal on your Receiver

MARCONI VALVES
MADE AT THE OSRAM LAMP WORKS



Renowned for long life, excellent results and low current consumption. **MARCONI VALVES** were used extensively during the war, when Wireless meant so much to the safety of our soldiers. You will be delighted with the results obtained from their use either for reception or transmitting, whilst the knowledge that they are all British in manufacture is a guarantee of satisfaction.

Prices from 12/6 ("R" Type) upwards.

SOLD BY ALL LEADING WIRELESS DEALERS, ELECTRICAL CONTRACTORS, STORES, etc.

BUY BRITISH GOODS ONLY.

STEEL TUBULAR MASTS



Light, Strong and Easily Erected, made in 10 ft. sections of best Weldless Steel Tube. Telescopic joints, thereby making joints doubly strong; not like a screwed joint where half the material is cut away to make the screw.

A GOOD AERIAL

Will add the power of another Valve to your Receiving Set. Painted and Ready for erection. Each Mast is complete with Halyard and Pulley, Steel Guy Lines, shell-type insulator and Strainers for each Guy Line, base Plate and Peg, 4 Ground Anchors of angle iron, fitted with Ring for Guy Lines.

30 ft., 47/-; 40 ft., 63/-; 50 ft., 85/-; 60 ft., 100/- Special 30 ft. Mast for confined spaces; can be erected within 2 ft. of fence. Illustrated list free. All Masts carriage paid to nearest station. Cash with order.

Trade Supplied.

ABBEY ENGINEERING WORKS, WATTON, NORFOLK

UNEQUALLED VALUE!

Our claim for these popular Receiving Sets is that they are unequalled in workmanship, quality of components and EFFICIENCY at or anywhere near the price. We have many testimonials similar to those given below.

SAXON Two-Valve Receiver

WITH FULL REACTION,
P.O. Regd. No. 4059.
Price as illustrated

£6 : 10 : 0

Royalties 40/- extra.

SAXON Three-Valve Receiver

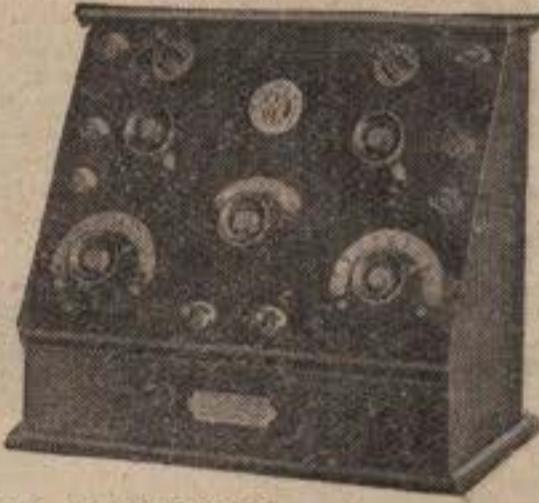
P.O. Regd. No. 4157.

Price **£8 : 15 : 0**

Royalties 57/6 extra.

Carriage Paid.

Valves, Headphones and Batteries extra according to requirements.



UNSOLOITED TESTIMONIALS.

Dear Sirs,

Dungiven, Co. Derry, Ireland.
I have great pleasure in informing you of the excellent results of your two-valve receiver.

I receive all P.B. Stations with excellent results on three pairs of headphones, also Paris working on 450 metres.

I consider this a wonderful performance for a two-valve set considering the distance of the nearest station is 120 miles and the furthest (Paris) over 600 miles.

Lesmashagow, Lancashire.

I have got my three-valve set in working order and I write you a letter of appreciation on its merits.

I have been able to get good results from all the B.B. Stations, being able to tune out Glasgow easily to get other stations.

I also had the pleasure on Sunday morning last of receiving very clear telephony from the Western Electric Company's Station at NEW YORK, AMERICA.

The transmission lasted from 3 a.m. to 6.15 a.m., and I heard music and speech very clear and distinct, also the hand-clapping after the dance items.

16 page descriptive list post free.

Sole Manufacturers:
SAXON RADIO CO. (Dept. 24),
Henry Street Works, South Shore, BLACKPOOL.
TRADE TERMS ON APPLICATION.

Two of the very best!

SUNRIPE

MIXTURE & CIGARETTES

"The Crowning Delight—
A Pipe of SUNRIPE."

1/- PER
OZ. Also in 2 oz.
& 4 oz. tins.

"For Size and Tone—
SUNRIPE Stand Alone." 10 FOR 6d. 20 for 1/-
Also 50's.

ABERDEEN PROGRAMME.

(Continued from page 343.)

FRIDAY.

- 9.45. Orchestra.
Selection, "San Toy" *Joyce*
10.0. "BETWEEN THE SOUP AND THE SAVOURY."
(*Gertrude Jennings*).
A Comedy in One Act.
Cast:
The Cook (Maria) FLOSSIE TAVANER
The Parlourmaid (Ada) DAISY MONCUR
The Kitchenmaid (Emily) CHRISTINE CROWE
Both Plays produced for Broadcast by JOYCE TREMAYNE.
10.30.—Close down.
Announcer: H. J. McKee.

SATURDAY.

- 3.30-4.30.—The Wireless Quartette and Andrew Watson (Solo Cello), Nancy Lee, L.R.A.M. (Solo Violin), Marie Sutherland (Solo Piano): Instrumental Afternoon.
5.0.—WOMEN'S HALF-HOUR.
5.30.—CHILDREN'S CORNER.
6.0.—Weather Forecast for Farmers.
7.0.—NEWS. *S.B. from London*.
Local News and Weather Forecast.
Students' Night.
7.20.—Students' Songs and Choruses.
7.35.—Reproduction of a "Capping Ceremony" (by experienced "Raggers").
7.50.—Students' Orchestra.
8.0.—More Students' Songs and Choruses (if not forcibly prevented after previous effort).
8.15.—Students' Orchestra again. (If put to the Vote and carried.)

8.25.—Remarks on being "Ploughed," by Two Who Know. (Carefully censored by the Station Director before being submitted to Eavesdroppers.)

8.40.—More Students' Songs and Choruses. (If any answer to the roll-call for this item, they will be invested with the title of "Survivors' Choir," motto "Ubique.")

9.0-9.30.—Interval.

9.30.—NEWS. *S.B. from London*.

Local News and Weather Forecast.

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

9.45.—R. M. MORGAN: "Spring Photography for Amateurs."

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

11.0—Close down.

Announcer: W. D. Simpson.

SHEFFIELD.**SUNDAY, Feb. 24th.**

3.0-5.0 and 8.30-10.15—Programme relayed from Birmingham.

MONDAY 25th to THURSDAY 28th.

3.30-4.30.—Programme relayed from Birmingham.

Local Transmission.

6.0-6.30.—CHILDREN'S CORNER, relayed from Birmingham.

6.30-6.45.—LOCAL CHILDREN'S CORNER.

7.0 and onwards.—Programme relayed from Birmingham.

FRIDAY, 29th.

3.30-4.30.—Programme relayed from Birmingham.

6.0-6.30.—CHILDREN'S CORNER, relayed from Birmingham.

6.30-6.45.—LOCAL CHILDREN'S CORNER.

6.30-6.45.—LOCAL CHILDREN'S CORNER.

Local Concert Night.

- 7.30. ZOE ADDY (Solo Violin).
"Czardas" *Mouss*
"Minuet" *Porpora-Kreisler*
Romance from Violin Concerto Wieniawski
"Rigaudon" *Francoeur*
"Slumber Song" *Schubert*
"The Bee" *Schubert*

DORA DEIGHTON (Soprano).

- "Songs of Old London" *Herbert Oliver* (8)
"London Spring Song," "Buy My Strawberries," "Down Vauxhall Way," "The Nightingales of Lincoln's Inn."

HORACE ALLEN (Humorist at the Piano).

CHARLES METCALF (Baritone).

- "Lighterman Tom" *W. H. Squire*
"Songs of the Fair" *Easthope Martin* (5)
"Captain Mac" *Sanderson* (1)
"Son o' Mine" *Wallace*

JACK GOOD (Anglo Concertina).

- "Liberty Bell March" *Sousa*
Intermezzo from "Cavalleria Rusticana" *Pietro Mascagni*

"The Blind Boy" *Chirgwin*

"The Lost Chord" *Kuke*

- EVELYN DANIELS, A.L.C.M. (Contralto).
"The Flower Song" *Gounod*

"There's a Land" *Allitsen* (1)

"My Ships" *Augustus Barrett* (1)

"Harvest" *Theresa Del Riego*

9.30.—NEWS. *S.B. from London*.

9.40 and onwards.—Programme relayed from Birmingham.

SATURDAY, 1st March.

3.30-4.30.—Programme relayed from Birmingham.

6.0-6.30.—CHILDREN'S CORNER, relayed from Birmingham.

6.30-6.45.—LOCAL CHILDREN'S CORNER.

7.0.—Programme relayed from Birmingham.

Announcer: H. C. Head-Jenner.



I SIT ALONE
AND DO IMPOTS,



MY PEN WON'T WRITE
EXCEPT IN BLOTS,



500 LINES!
MY LUCK IS OUT.



BUT HARK!—I HEAR
A CHEERY SHOUT.



IT'S JIM, WHO SEES
MY PLIGHT, AND THEN



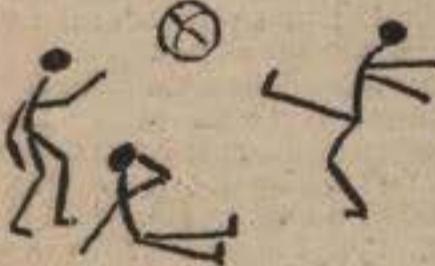
HE LENDS ME HIS
SWAN FOUNTAIN PEN.



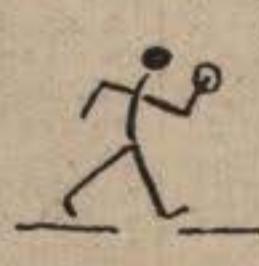
SO SWIFT ITS GLIDE,
SO SMOOTH ITS RUN—



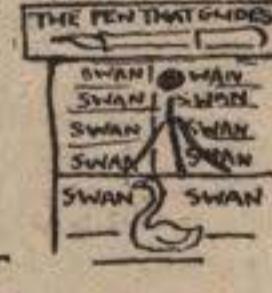
TEN MINUTES, AND
MY TASK IS DONE.



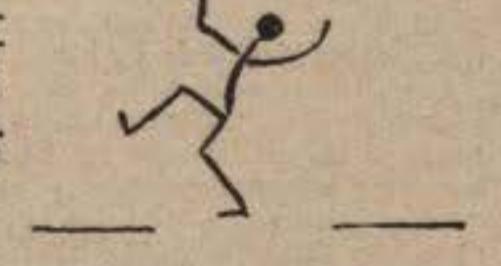
THEN TO THE PLAYING
FIELD WE HIE.



AND I HAVE QUITE
RESOLVED TO BUY



A PEN I CAN
RELY UPON



THE FINEST EVER
MADE — THE SWAN.

Drawn by Marjorie Heller.

THE CHILDREN'S CORNER.

CONDUCTED BY
UNCLE CARACTACUS

HULLO, CHILDREN!

Here are some interesting stories about life in the bush, and especially the monkeys that live there—don't you sometimes want to visit hot countries like these?

BUSH TALES, BY ELLA FITZGERALD.

I am going to tell you about some of the animals in the South American jungle.

Those of you who are old enough to know something of geography will be able to trace an imaginary line from Southampton out to the West Indies, past Trinidad and down to the Guianas—British, Dutch, and French.

Dutch Guiana isn't a bit like London. Its one town, Paramaribo, has only recently given up candles and oil lamps and taken to gas—a great event out there! And a tramcar or bus would create a panic, though just recently I hear they have a few Ford motor-cars. There are only about forty white people among thousands of negroes, Chinese, Hindu coolies, and Javanese. The English and Americans are mostly mining engineers, who go up-country into the heart of the bush in search of gold. The majority live in tents or in "camps" made with a rude scaffolding of saplings covered with the plaited leaves of the macca tree.

Houses on Stilts.

A few lucky ones live in one-story bungalows, which look as though they were standing on stilts. (They are propped up on big squared timber so that you can walk about underneath where the "downstairs" ought to be, and you have to climb up an outside staircase to get into the house.) They are built like this for protection against snakes and wild animals. Insects find their way in, all the same.

Next to mosquitoes, the insects of which I stood most in awe were spiders and flying cockroaches.

But I am sure you would all like to hear about something more amusing. Well, there are all sorts of monkeys. The one who believes in being heard, but not seen, is the red monkey. He roars just like a lion and, indeed, he looks like something between a lion and a French poodle. But for all his noise, he is quite harmless.

A Dangerous Monkey.

The only dangerous monkey out there is a big black fellow who makes a soft cooing noise rather like a dove. He is very powerful and will swing himself through the jungle at a great pace, just catching the branches as he goes by and heaving himself up by his muscular arms.

Once, when a surveyor was finding the boundaries of a mining concession, one of these monkeys dropped from a tree right on to the surveying instrument (which is called a theodolite), danced on it, and smashed the tripod all to bits. He evidently took it for a gun, and determined to be first with the attack.

But usually monkeys are merely mischievous. Their greatest delight is to pelt you with pieces of fruit and twigs as you pass under a tree.

But one of the funniest things I ever saw was on an occasion when a band of monkeys set out to commit robbery with violence. We

Stories of Wild Animals.

noticed a commotion in some rather low branches. This was followed by excited chattering and whispering. We kept very quiet and presently we saw that a party of nine or ten monkeys were taking up positions in two or three trees, much as a football team does on the field, except that in this case the goalkeeper was in front.

At first we couldn't make out what the game was. Then we saw that one monkey was standing up close to the trunk of the central

tree, shrieking with terror, and the bees, in pursuit, avenged their fallen comrades.

Now probably most of you have seen a picture of a wild hog. He's a big, fierce pig with two tusk-like teeth in his lower jaw. The jungle pig is called a peccary. And peccaries generally travel in droves of a hundred or more. To shoot them you have to build a mechan (a platform arrangement screened with leaves) high up in a tree. Even then, if you make the mistake of shooting those at the head

of the company instead of those at the tail, the remaining peccaries will rush at your tree, fix their strong teeth in the trunk, and sway and sway until they shake you out. (I've never been shaken out, or I shouldn't be telling you stories now.)

Obstinate Orphans.

One day a Red Indian carelessly shot a mother peccary without noticing that she had two little baby children running behind her. The poor little peccaries became terrified and dashed in and out of the undergrowth, snorting angrily and crying piteously by turns. After a good deal of trouble we managed to catch them and took them back to the bungalow. All night we sat up trying to teach those two obstinate little orphans to drink milk out of a saucer. Their heads seemed heavier than their bodies, and every time we induced them to sniff the milk they fell in head first and turned somersaults, with the result that my father and I and the pigs all had milky faces—but still the little pigs had none, in a manner of speaking.

At last we taught them to suck the corner of a milky handkerchief, and finally they became quite clever and were immensely proud of themselves when they found they could manage a piece of gas tubing stuck in a jug, just as you drink your lemonade through straws—and without making any splashes on their bibs. They became so tame that they were almost a nuisance.

Naughty Mary.

We named them "Jimmie" and "Mary." But Mary's was a venturesome spirit. She always led Jimmie into mischief and then put all the blame on him. The first rainy day they knew, she was so delighted to find that her feet made patterns on the front stairs that she raced through the house, urging Jim to follow her, and jibing at him when he lagged behind. Then she turned and chased him—through all the rooms and over all the beds. When finally I managed to round them up and shut the door, she sat up and went through all her tricks.

At first we were afraid to put them under the house to sleep, in case they wandered into the bush, when the others would have killed them. (Did you know that if they get the chance, wild animals will kill one of their species that becomes tamed?) Therefore a small table was turned upside down on the balcony so that they slept in the well of it, while its legs did duty as a four-poster to support the mosquito net. But they got so hopelessly tangled up in the net that I left them to their deserts—and the mosquitoes.

(Continued on the facing page.)



LISTENING AT BEDTIME.

tree with his thumb pressed close to the bark. He lifted his thumb just for a second and hastily replaced it. All the others were on the alert and instantly their hands shot out. One missed! The second missed! But the third caught—a bee!

Then we knew the secret. Bees had built in a hollow tree and the monkeys had artfully planned to steal the honey. Every time the thumb was lifted a bee came out to see what it was that had made his house so dark, and, of course, the monkey-scouts killed him. When no more came out, the monkeys would know that victory—and the spoils—were theirs.

The Bees' Victory.

Suddenly, one of our party stepped on a twig. Startled and curious, the chief monkey turned round to see what the noise meant. In his excitement he moved his thumb. Next moment the air was full of angry bees. You can't imagine an enemy so thoroughly routed. The monkeys sprang recklessly from tree to

The Children's Corner.

SABO AND THE RED INDIAN.

By E. W. Lewis.

WHEN David came down to spend a week's holiday, Sabo had the time of his life.

David is five years old. He has a rosy cheek and a merry eye. When he is at home he is sometimes a sailor, sometimes the driver of a motor-bus, and sometimes a policeman; but when he comes here for a holiday he is always a Red Indian—a Cherokee Indian; and woe betide any other Indians he may meet, if they do not belong to his tribe!

David wears a head-dress of scarlet and yellow feathers; tall feathers that stick up. He has long breeches made out of the skins of wild animals he has trapped and slain. And moccasins on his feet. At his waist he carries a tomahawk and a knife, both of which are made of wood; and in his hand a gun.

Yesterday he burst into the sitting-room, shouting in his Red Indian voice, "Where's my squaw?"

Isobel is his squaw, his wife, his slave; but she was missing from the wigwam, and he was seeking her.

It was then that he caught sight of Sabo on the writing desk.

All Red Indians take cover at the sight of a stranger; and David dropped on his knee behind a chair. Then, cautiously dodging from one chair to another, he drew nearer; and when he was near enough, he stood up suddenly, raised his gun, and fired three times, shooting Sabo first through the head, then through the heart, and then through the middle.

And when he was quite dead, David rushed upon him with his terrible Cherokee war-whoop, and asked him who he was.

(Continued from the facing page.)

Sabo, who had turned a little pale, gave his name.

"Are you an Indian?" David demanded in a fierce voice.

Sabo said he didn't know.

"Then," said David, solemnly, "you must die at my hand. I'm a Cherokee. We kill everybody."

So, growling savagely, he laid Sabo on his



"Are you an Indian?" David demanded in a fierce voice.

back on the blotting paper and pinned him with his knife through his woolly throat.

When it was all over, David put the tomahawk and the knife back again in his waist-belt, and said, "What shall we do now?"

He looked at Sabo, who was lying quite still and none the worse for the terrible experience through which he had passed.

"I know," he said, after a little thought,

"Now I've killed you, we'll be friends. I'll put on your scalp again."

He patted Sabo gently about the head, taking care to leave no creases in the scalp.

"You must join the brotherhood of the Rub Noses," he said. "Do you know what that is?"

Sabo said he didn't know.

"Well," said David, "I'll tell you. We rub noses together, like this," and he rubbed his little nose against Sabo's littler nose. "That's what it is," he said. "Now you're a Rub Nose. Rub Noses are friends, all over the world."

"This is my gun," went on David, and he fired it once or twice to show Sabo how it worked. "And that's my knife, and the tomahawk I scalped you with. Can you do this? Watch me."

David put his gun down, and put his head on the carpet. "Are you watching?" Then he turned a somersault. At the same moment Sabo tumbled head over heels off the writing desk; and they sat side by side on the floor.

David put his hand on Sabo's arm. "There's lots of Indians in the wood," he said.

"Are they Rub Noses, too?" asked Sabo.

"No," replied David. "We can kill them. I'll tell you; we must attack them by surprise, creeping up in the dark. And we'll burn their wigwams, and scalp as many as we can, and carry off their squaws. To-night, shall we?"

"Are there many of them?" said Sabo.

"Hundreds," said David. "About nineteen, I should think, or more perhaps. Lots! But you needn't be afraid, I'm a good shot. I shot you three times when I came in just now."

"Now, I'll give you a ride in my new barrow," and David took Sabo by the hand and they went out into the garden.

(Another "Sabo" Story Next Week.)

LARGE & SMALL MODELS

*"There is music in all things
if man had but ears"*

Byron

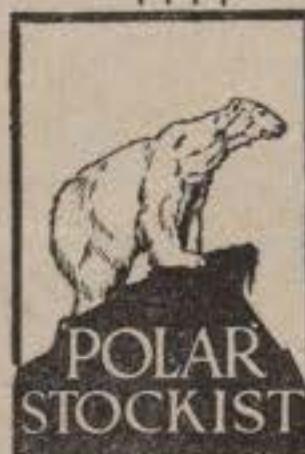
CLARITONE
Loud Speakers and Headphones

Furnish the means to enjoy the music in the ether.

Whether the broadcast melody emanates from the Piano, Harp, Violin, Flute, or Cello, or a combination of these and other instruments in an Orchestra, or from the Voice of a Singer, it is faithfully reproduced for the enjoyment of mankind by the world-famous

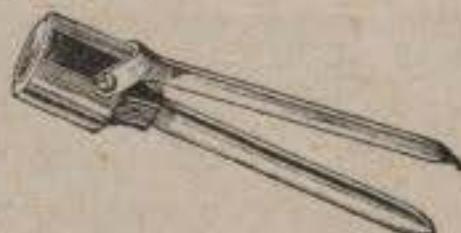
CLARITONE
Loud Speakers and Headphones

Side Distributors Agents
ASHLEY WIRELESS TELEPHONE CO., LTD.
69, Renshaw Street, Liverpool



Look for this Sign
when selecting your
WIRELESS DEALER

*This instrument
protects your in-
terests when buying
batteries.*



POLAR BATTERY TESTER

The fact that a voltmeter shows full voltage is no proof of perfection in H.T. Batteries.

The only infallible test of soundness in H.T. Batteries is to put an actual load on each cell.

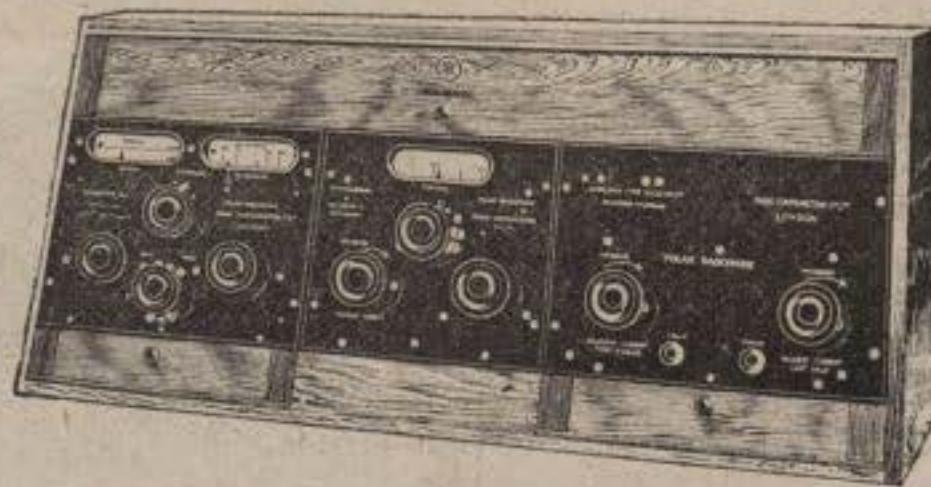
The Polar Battery Tester, a device you can carry in your waistcoat pocket, provides an accurate means of sounding before buying—thus you buy only the battery you know to be in perfect condition.

Again, when H.T. battery troubles occur in use on your set—30% of these are due to cell perforation, and the only method of locating the trouble is by applying the Polar Battery Tester. You will then find the 'dud' in the cell that does not flash. Cut out that circuit, and your trouble is over.

The Polar Battery Tester is too important a help to be without, and will save you many times its price as a help and a safe guard.

Price: 3/- each.
Spare Bulb, 6d.

BETWEEN pretty platitudes and sound Guarantees, there is such a great difference that it is very necessary for the buyer of wireless—especially the beginner—to recognize one from the other. Admittedly difficult—for there are more platitudes than there are guarantees.



Type R.A. 33-34-35 seven valve

Polarphone

This seven-valve Polarphone Receiver illustrated is one of the many instruments *fully guaranteed* by the Radio Communication Co., Ltd.

The claim is that this set will give all that there is to get from Wireless Reception, and that no other instrument, whatever its name or price, can be more than "just as good."

Its great sensitiveness gives perfect rendering on the loud-speaker and provides an ever ready entertainment second to none.

Direct-reading wave-scales make tuning a matter of utmost simplicity, and the absence of visible complicated wiring adds to the neat appearance of this handsome cabinet.

In Sloping Case - - - £48 : 0 : 0
Plus B.B.C. Charge - - - - £2 : 0 : 0

Get fuller particulars from any Polar Stockist or direct from:

RCC
RADIO COMMUNICATION
COMPANY, LTD.
34-35 NORFOLK ST. LONDON. W.C.2

Telephone: CENTRAL 5480 (2 lines)

Branches:

- NEWCASTLE: 23 Collingwood St.
- GLASGOW: 123, Hope Street.
- CARDIFF: Atlantic House, St. Mary's St.
- LIVERPOOL: 67 Dale St.
- SOUTHAMPTON: 19, Queen's Terrace.

Telegrams: *RADIOCOMCO-BRITANNIA*, LONDON.

La Bretagne—L'Épiphanie.

[The following talk will be given at London Station on Tuesday, February 26th. It is printed here in French so that readers of "The Radio Times" may follow the speaker word for word. In this way, listeners will be enabled to correct any errors of pronunciation.]

L'ÉPIPHANIE tombe le 6 Janvier et a été instituée par l'Eglise pour commémorer la manifestation de Jésus-Christ aux Gentils. Dans le langage populaire on l'appelle toujours "le Jour—ou bien la Fête—des Rois" parce qu'on suppose que les personnages qui vinrent adorer l'Enfant-Jésus dans sa crèche étaient des Rois de l'Orient.

Guidés par une étoile mystérieuse ils ont quitté leurs pays lointains et se sont mis en route vers Bethléem, chargés des présents qu'ils vont offrir à l'Enfant-Dieu.

Voici comment José-Maria de Hérédia a décrit la longue caravane qui s'avance lentement dans la nuit vers l'humble berceau de l'Enfant divin :

"Deno Balthazar, Melchoir et Gaspar, les Rois Mages,
Chargés de nefs d'argent, de vermeil et d'émaux,
Et suivis d'un très long cortège de chameaux,
S'avancent tels qu'ils sont dans les vieilles images,
De L'Orient lointain, ils portent leurs hommages,

Au pied du fils de Dieu né pour guérir les maux
Que souffrent ici-bas l'homme et les animaux.
Un page noir soutient leurs robes à ramages..."

En Bretagne la Fête des Rois donne toujours lieu à certaines cérémonies assez intéressantes.

* * * *

Les parents, et aussi les amis, s'assemblent pour prendre part à un petit festin plein de cordialité et de bonne humeur. La salle-à-manger est décorée et rappelle un peu un intérieur anglais le jour de Noël. Au dernier service on apporte un énorme gâteau que l'on place devant le chef de famille. Ce gâteau, qui contient une fève, est divisé en autant de portions qu'il y a de convives à table, plus une portion plus grande que toutes les autres. Cette dernière portion qu'on appelle "La part du Bon Dieu" est destinée aux pauvres.

* * * *

Le plus jeune des convives se met sous la table, et le maître-de-céans l'interroge, comme s'il était l'oracle d'Apollon, et l'adjure de lui dire à qui revient la portion du gâteau qu'il tient en sa main. Celui qui reçoit la part contenant la fève est proclamé Roi de la compagnie, et il choisit sa Reine qui vient immédiatement s'asseoir à côté de lui. Tous les convives se lèvent et crient avec entrain, "Le Roi boit, la Reine boit."

Dès que le Roi se lève pour boire tout le monde se tait; autrefois lorsqu'un convive parlait au moment où le Roi buvait on avait coutume de lui noircir le visage avec de la suie ou avec un bouchon brûlé.

* * * *

Vous pensez bien que les libations étant copieuses, les langues allaient bon train, aussi ne manquait-on pas, vers la fin du repas, de visages grotesquement barbouillés qui ajoutaient une joie de plus à l'hilarité générale.

De nos jours, les toasts sont réglés par le Roi. Il a eu soin au préalable de faire orner de couronnes de lierre les cruches de cidre et les bouteilles de vin, et même les meubles de la salle-à-manger, afin que ses sujets d'un jour, puissent s'en donner à cœur joie et boire tout leur soûl, sans avoir à craindre l'ivresse. Il va sans dire

que le remède n'est pas toujours d'une efficacité à toute épreuve.

Au dessert, le Roi de la Fève distribue les grandes charges de sa couronne éphémère. Le curé, s'il est présent, ou bien son Vicaire, devient d'office le Grand-Aumônier; un autre convive est nommé Ministre de Finances, un autre, Maître de l'Hôtel du Roi, et ainsi de suite. Le banquet est suivi de jeux auxquels tous prennent part et pour finir, l'assemblée entière, maîtres et domestiques, vieillards et enfants, dansent en plein air les rondes d'autrefois.

* * * *

Bien des superstitions règnent encore dans les campagnes au sujet de l'Epiphanie. Par exemple, dans certaines régions, on tire au sort le Roi de la Fève la veille au soir; et les paysans sont persuadés qui si la tête d'un des assistants ne projette pas son ombre sur la muraille pendant cette opération c'est un signe qu'il mourra au cours de l'année. On croit aussi dans quelques villages que la taille du Roi et de la Reine indique la hauteur qu'atteindront le blé et le seigle l'été suivant.

* * * *

Le jour de la Fête des Rois, le chef de famille appelle tout son monde à sa table; il y fait venir même les tout jeunes enfants qui sont encore au berceau. D'après la croyance populaire ceux qui restent couchés ce jour-là et n'assistent pas au repas de famille sont attaqués par un grand diable noir et boiteux, qui à coups de fourche et de cornes, les jette hors du lit, les roule par terre, et leur fait mille malices.

Vous savez peut-être que chez les Romains il y avait aussi des comédies burlesques dans le genre de celles dont je vous ai parlé. Seulement la journée se terminait assez mal pour le pauvre esclave que le sort avait désigné comme le Roi de la Fève. A la fin du festin J'usage voulait qu'on le pendît. C'était terminer d'une façon peu agréable une royaute bien épiphénère.

* * * *

RATES OF SUBSCRIPTION to "The Radio Times" (including postage to any part of the world) : SIX MONTHS, 6s. 9d.; TWELVE MONTHS, 13s. 6d.

free pattern

OF

**SMART
SPORTS
JUMPER**

Given FREE in

WOMAN'S LIFE

ON SALE NEXT MONDAY (FEB. 25th).

If you are unable to obtain a copy, send 4d. to George Newnes, Ltd., 8-11, Southampton Street, Strand, London, W.C.2

**Is this worth
trying for?**

**£250 a Year
for Life**

from the age of 55.

THIS is no competition, it is just an easier, more profitable and more certain method of saving, so that in later years you may have enough to live on, come what may.

You will be surprised at your capacity for saving under the ideal plan of Investment-Insurance offered to you by the Sun Life of Canada, the Great Annuity Company with Government-supervised assets exceeding £42,000,000.

Not only are your actual savings guaranteed against depreciation, but you share in the prosperity of one of the most prosperous Companies in the world. Handsome profits accumulate to your credit and swell the total to be paid to you on a certain date, or increase the amount to be paid to you yearly.

You simply make deposits, well within your means, to the Sun of Canada, for a given number of years and they do the rest.

And on this investment there is a rebate of Income Tax every year, amounting in all to a considerable sum. This makes the plan more profitable still.

Should illness or accident permanently prevent you from following any gainful occupation a monthly sum will be paid to you until the Capital Sum becomes due—and you don't pay another deposit.

From the moment you make your first deposit, your life is insured for the Capital Amount arranged, plus half of every deposit you make, so that the protective value increases yearly. What a boon to your family, should anything happen to you!

A double indemnity clause, increasing the deposits by a fraction, doubles the Capital Policy Sum due to the family, if death results from an accident.

Let us know your exact age and the approximate amount you can deposit each year, and we will send you full details applied to your own circumstances. Then you will see how simple it is to provide for your own later years, and for your family should they survive you. Address your inquiry to J. F. JUNKIN (Manager), Sun Life of Canada, 95, Canada House, Norfolk Street, London, W.C.2.

Buy
British
Goods
Only.



Stock Depots:
Manchester: 19, Bridge Street, Deansgate; Nottingham: W. J. Evans & Co., Tralee Street; Birmingham: 14/15, Snow Hill, Scotland: Malcolm Brechin, 57, Robertson Street, Glasgow, N.E. England: Milburn Hall, Newcastle-on-Tyne; Colchester, 121, High Street.

1 against 7

—but that 1 was an
Ericsson Headset

PERFORMANCE is the supreme test of telephones and the performance of Ericsson (British) Telephones stamps them as head and shoulders over any phone on the market to-day. The accompanying letter testifies to this.

Superbly made, comfortable, robust in construction, yet extraordinarily sensitive in operation they are the ideal telephone for extra results on any set, valve or crystal.

	Prices:
120 ohms	24/6
2,000 "	25/6
4,000 "	26/6

Look for "Ericsson Beeston Notts" on each earpiece — this is missing from the continental imitations.

Write us to-day for lists and information of our valve and crystal sets, also our famous "Super Tone" Loud Speaker.

The British L.M. Ericsson Mfg. Co., Ltd., International Buildings, 67/73, Kingsway, London, W.C.2.

Ericsson
(British)
Telephones

SIMPLEST CHEAPEST EASIEST AND BEST AERIAL IN THE WORLD

AMAZING WIRELESS DISCOVERY

Bare copper wire exposed to the weather soon corrodes, weakening the incoming signals and necessitates renewals. Our covered wire will not corrode, saves renewals, reduces interference and holds all the strength of the incoming signals. The ether wave penetrates the coverings and provides a unexpected clearness of reproduction. Use it as an aerial and Poles are quite unnecessary. Troublesome insulators, separate lead-in special earth wires are all

abolished. It is a simple matter to make a portable aerial or frame aerial with this wire. Suspend it where you will, connect direct to your Set without any special lead-in, and a greatly improved reception is the result. If you cannot get it from your local dealer we will send 100ft. sufficient for a complete aerial. Carriage Paid, £1.8s.

At a very low cost you may extend your phones and loud-speaker to any part of the house or garden.

300ft. 500ft. 1,000ft.
4/3 6/3 10/3
Carriage Paid.

NEW LONDON ELECTRON
WORKS, Ltd.,
4, Regent's Dock,
London, E.14.

100 ft.
18
Carriage
Paid

If unobtainable
from your local dealer
send us your requirements.

FULLOTONE
REGD TRADE MARK

CABINET GRAMOPHONES FROM THE FACTORY TO YOU

THIS offer must not be confused with the many cheap instruments now being marketed. The "Fullotone" is a cabinet gramophone of unquestionable quality, and the reasonable cost is the result of our successful endeavours to supply direct to the public from our factory — no intermediate profits which inflate shop prices are included in the cost.

The "FULLOTONE" is sent carriage paid on receipt of remittance. If you are dissatisfied after 7 days' free trial in your own home, simply return it and we refund your money in full immediately.

No. 2A CABINET GRAND.

Beautifully finished Cabinet, chiefly consisting of mahogany, as illustrated but not inlaid, 3ft. 6in. high. Powerful Swiss double-spring 3-record motor, famous "FULLOTONE" sound box, exquisite tone, holds 100 records, and all latest 1924 improvements.

FACTORY PRICE

£7 10s.

Or 6 monthly payments of ... £1.6.0
MODEL No. 2, inlaid as illustrated £7.15.0

A full range of 20 models can be seen at our showrooms.
THE CABINET GRAMOPHONE CO.,
(Dept. R.T.1.), 229, Great College St., Camden Town, London, N.W.1

FIDLER'S SEEDS GROW!



THE NEW
FELLOWS
LIGHTWEIGHT PHONES

Weigh under 6 oz., and are extremely comfortable. With the special spring adjustment, the earpieces may be moved into any desired position, or separated without the use of adjusting nuts. This fitting is specially designed not to bear the hair. Wound to 4,000 ohms, they are very sensitive and are well made with duralumin head bands, stalleoy diaphragms, etc.

*Adv. Fellows Magneto Co., Ltd.,
London, N.W. 10.*

FELLOWS

WIRELESS VALVES

The Mullard D.F. Ora

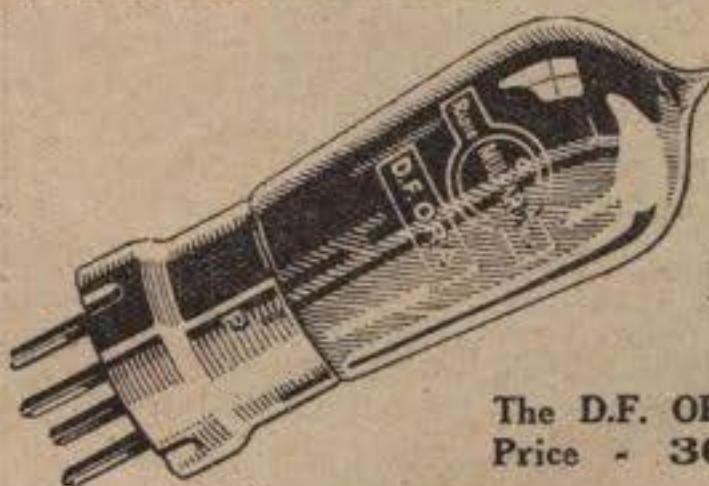
The D.F. ORA is a recent addition to the wide range of Mullard Valves. It is a development of the original Mullard Dull Emitter Valve produced nearly four years ago.

It has all the characteristics of the celebrated general purpose ORA. It will Oscillate, Rectify and Amplify.

In addition the filament requires but .06 ampere, making the valve particularly suitable where extreme economy in filament batteries is desired.

FILAMENT VOLTS	- - - - -	2 to 3.
FILAMENT CURRENT, amperes	- - - - -	.06.
ANODE VOLTAGE	- - - - -	20 to 100.

N.B. We hold large stocks of this Valve and can give immediate delivery.



The D.F. ORA.
Price - 30/-

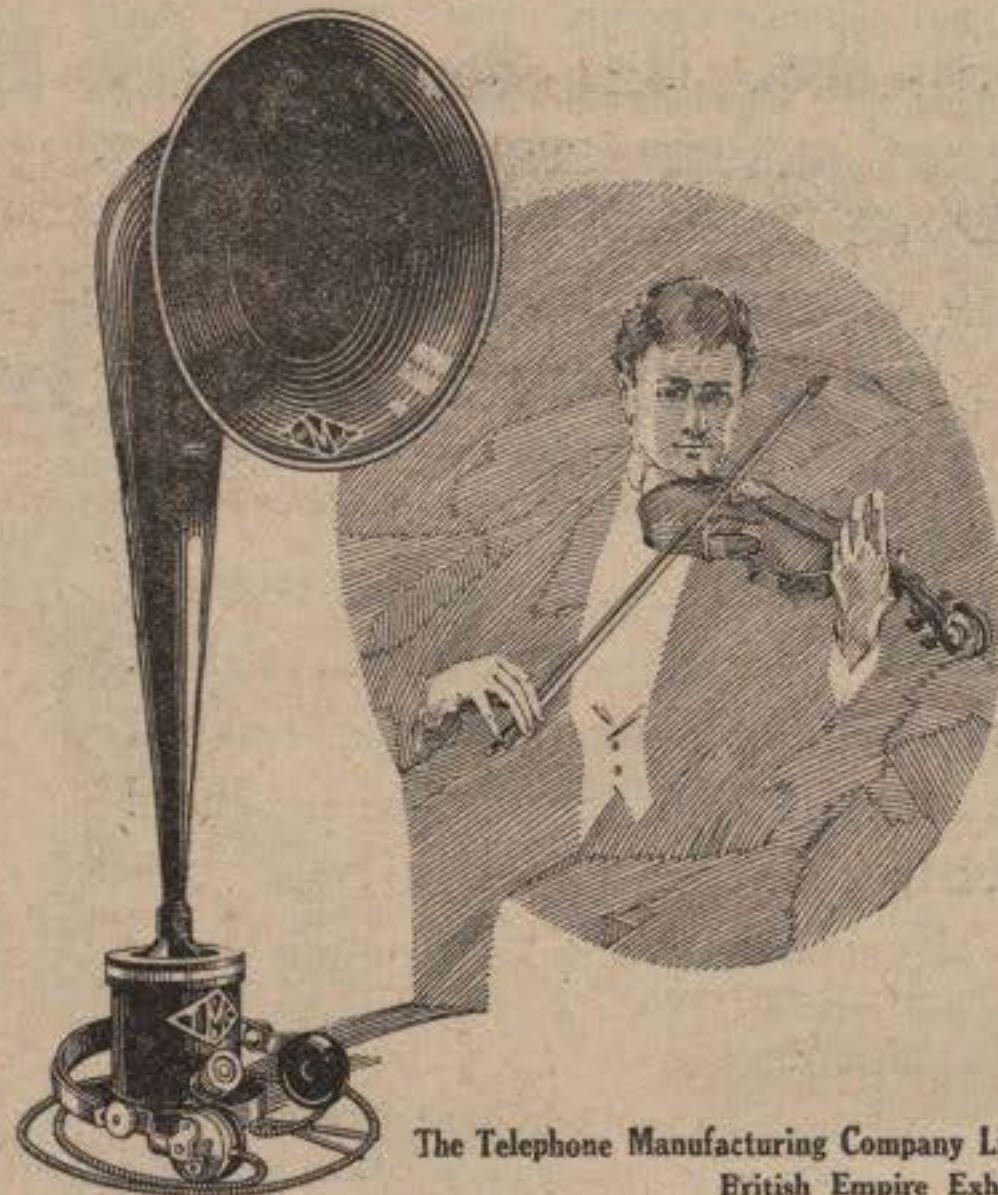
Ask for Leaflet V.R.6.

Mullard

A Valve for Every Wireless Circuit

Adv. The Mullard Radio Valve Co., Ltd., Balsall Heath, S.W. 12.

(E.P.S. 94)



The Telephone Manufacturing Company Limited, Hollingsworth Works, Dulwich, London.
British Empire Exhibition, Wembley, 1924.

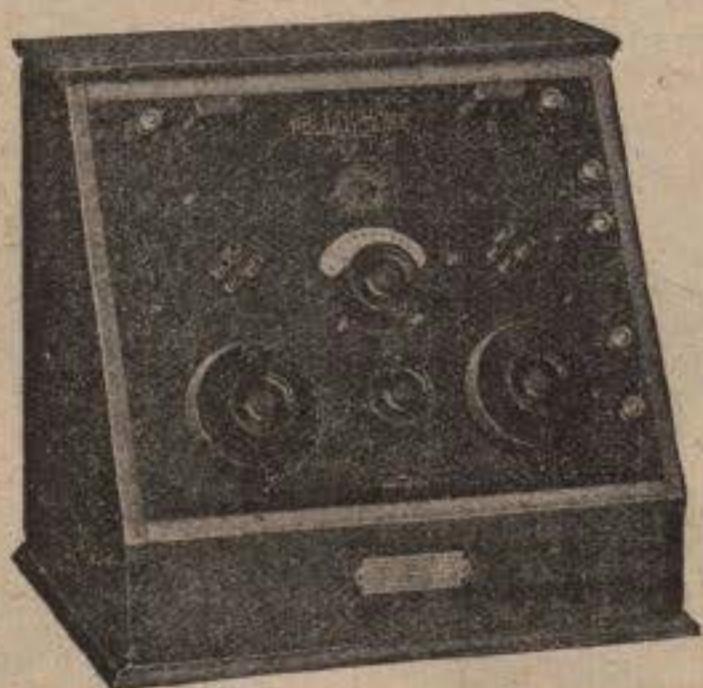
TrueMusic Loud Speakers Clear as Crystal Headphones

TMC
Wireless

If unable to obtain locally, write to us direct.

(E.P.S. 7)

FELLOPHONE SUPER 2.



Mounted in a well-finished mahogany case, it comprises 1 H.F. Valve and 1 detector. This instrument permits the fullest reaction allowed by the P.M.G., and will give excellent results on all the British Broadcasting Stations.

PRICE £9 : 0 : 0

Plus R.R.C. Tax, 15 : 0. Marconi Tax, £1 : 5 : 0. 2 Valves 12 : 6 each. Complete with H.T. battery, Accumulator, 100 ft. 7/22 stranded copper aerial, 2 insulators, 1 pair 4,000 ohms headphones.

FELLOWS

Adv. of the Fellows Magneto Co., Willesden, N.W.10.

(E.P.S. 25.)

IF WIRELESS WAS WIRELESS.



Wireless is "wire-less" so far, but wire is bound to play a part somewhere in the installation. Some amateurs consider the receptive qualities before the appearance of their sets, but even reception is apt to be marred by a hopeless conglomeration of wires and frayed insulation. Set aside an evening of overhauling—make careful adjustments—take each end of wire in turn, and with solder and a touch of FLUXITE join them neatly into place—You are bound to be satisfied with the result of the few hours spent, and the receptive qualities will attain higher sensitiveness in consequence. Soldering is so simple when you use a touch of FLUXITE—just the smallest touch does it.

Ask your Ironmonger or Hardware Dealer to show you the neat little

FLUXITE SOLDERING SET.

It is perfectly simple to use, and will last for years in constant use. It contains a special "small-space" Soldering Iron with non-heating metal handle, a Pocket Blow-lamp, FLUXITE, Solder, etc., and full instructions. Price 7/6. Write to us should you be unable to obtain it.

FLUXITE SIMPLIFIES SOLDERING

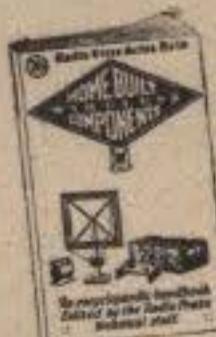
All Hardware and Ironmongery Stores sell FLUXITE in tins, price 8d., 1/4, and 2/8.

Buy a Tin To-day.

FLUXITE LTD., 328, Bevington Street, Bermondsey, England.



For the tool-set of your car or
motor cycle or any soldering
jobs about the house.



R. P. Series
No. 16.
2/6

Homebuilt Wireless Components.

A Book which shows how to make a large number of the components used in Wireless. Contains very many diagrams and illustrations. Will save its entire cost on the first component made.

JUST **OUT!**



OUT!



R. P. Series
No. 3.
2/6

How to Make Your Own Broadcast Receiver

A splendid constructional Book describing three types of Crystal Receivers which will give really good results. It is not necessary for you to possess any special degree of skill nor any elaborate tools in order to build these Receiving Sets.



R.P. Series
No. 8.
1/6

Pictorial Wireless Circuits

A new idea in Circuit Books. Each Circuit is illustrated by means of the actual components, thus making it easy for a complete novice to follow the diagram and to wire up his Set accurately.



More Practical Valve Circuits

A new Book by John Scott-Taggart, F.Inst.P., giving full details for a large number of new Circuits, including the S.T.100, Armstrong Super, Flewelling, and many of the new reflex Circuits.

3/6
cloth bound.

Broadcast Listeners Year Book—1924.

THIS new Book is entirely different from any Radio Year Book or Annual that has yet been published. It is, as its title denotes, devoted exclusively to Broadcasting. As you will see by the contents, it brings the B.B.C. right into your home, and introduces you to many who are responsible for the pleasure you get from Broadcasting.

We are confident that it is one of the most interesting and entertaining Books that have been published and, owing to the limited edition, you are advised not to delay. If your Bookseller is out of stock a copy will be sent post free for 1/6.

Contents.

- Interesting details of B.B.C. personnel. Notes on the eight B.B.C. Stations. Continental Broadcasting—what to listen for.
- How to look after your Set. By Percy W. Harris.
- Buying a Broadcast Receiver. By G. P. Kendall, B.Sc.
- The Wireless Musical Cinema—a peep into the Future. By R. W. Hallows, M.A.
- In and out of the Studio. By John Henry.
- The Children's Corner. By Uncle Catæcetus.
- The Importance of the Musical Programme. By Dan Godfrey, Jun., A.R.A.M.
- The Work of an Announcer. By Rex Palmer.
- How it is Done. By P. P. Eckersley, Chief Engineer to B.B.C.
- A Visit to 2LO. By E. Alexander.
- What has been done—a review of the first year's Broadcast. By A. R. Burrows.
- The Future of Wireless. By John Scott-Taggart, F.Inst.P.
- The British Broadcasting Co., Ltd., and its aims and objects. By J. C. W. Reith.
- How to Listen to and appreciate Musical Broadcast. By Douglas Hopkins, A.R.C.O.

1/6
or 1/8
post free.

RADIO PRESS, LTD.,
Devereux Court, Strand, W.C.2.

500 Wireless Questions Answered

A wonderful Book for enthusiasts. Contains a vast amount of useful information concisely indexed. You would find that hardly a day would pass without your consulting it and obtaining useful advice from its pages.



R. P. Series
No. 13.
2/6

The Construction of Crystal Receivers

At present the standard Book on the design and construction of Crystal Receiving Sets. Those who are inclined to doubt the efficiency of a well-made Crystal Set should read this well-written Book.



R. P. Series
No. 6.
1/6

Radio Valves and How to Use Them

A new practical Book by John Scott-Taggart, F.Inst.P., which will be welcomed by every enthusiast who wants to know how his Set works. Copiously illustrated with diagrams—a Book you will need almost daily.



R. P. Series
No. 12.
2/6

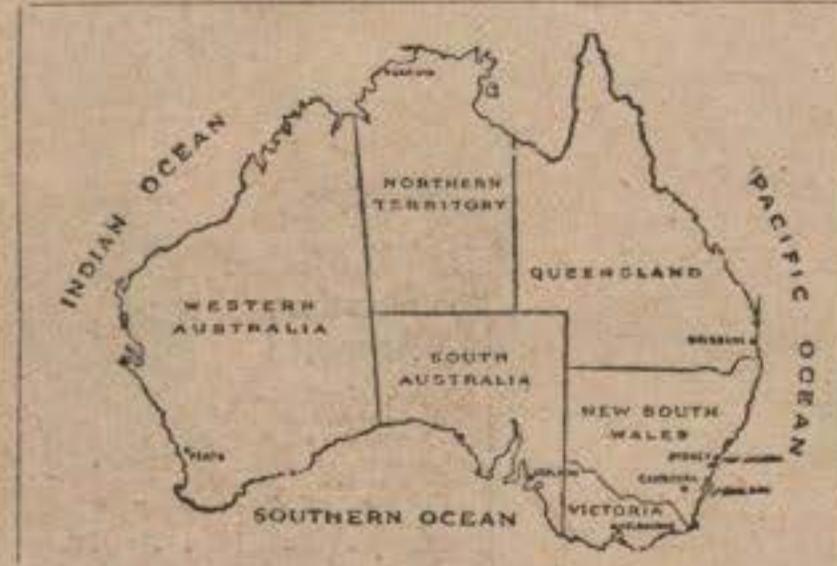
Are you reading Wireless Weekly?

Every effort is made to make **WIRELESS WEEKLY** the finest and most authoritative of all the Radio Magazines. No experimenter or enthusiast who takes a keen interest in Wireless can afford to do without it. Every Wednesday 6d. from all Newsagents.



All Books sent direct. Postage 2d. extra.

£1 per Month will purchase a Plot of the nearest Freehold Land to CANBERRA, the new Capital City of the whole Commonwealth of Australia—or at JERVIS BAY—the port for Canberra, where another great city has been laid out.



Send TO-DAY for further particulars, which will be freely given by the Sole Agents of the Estates:—

THE Federal Government of the Commonwealth is spending Millions of Pounds at **Canberra**, where the next National Parliament is to sit. (The Cabinet of the Australian Commonwealth met at the Federal Capital, Canberra, on January 30th, 1924, for the first time.)

The purchase of the nearest Freehold Building Land to either of the above places represents an investment of quite exceptional safety and merit.

It is possible, at present, to purchase these building and business lots at prices ranging from £50 each and upwards, either for cash (less 5 per cent. discount), or on the above terms.

HENRY F. HALLORAN & CO.,
AUSTRALIA HOUSE, STRAND, LONDON, W.C.2 (Estab. 37 years).



**A Charging Station for your radio battery
in your own home.**

Tungar
FOR CHARGING BATTERIES ON
ALTERNATING CURRENT SUPPLY



Enquire at your local dealer, or write,
mentioning this paper, for a copy of our
Tungar booklet to:—

THE Tungar solves the battery-charging problem for all whose houses are electrically-lighted by alternating current.

It is connected on one side to any lamp-holder or wall-plug, and on the other to the battery (the work of a moment) and it will start charging as soon as it is switched on.

There are no chemical or mechanical complications—its operation is purely electrical. Once started it requires no attention, and there is nothing to get out of order. When the battery is fully charged, the charging rate is automatically diminished. Overcharging and discharging back are equally impossible.

The possession of a Tungar means:—

- (1) The assurance that the battery is always fully-charged;
- (2) the ability to charge any time, day or night; and to leave the battery on charge, without attention, for as many hours as may be necessary;
- (3) a saving in expense and trouble;
- (4) longer life for the battery, because you can charge it with greater frequency and regularity.

The British Thomson-Houston Co., Ltd.,

Mazda House, 77, Upper Thames Street, London, E.C.4

Works: RUGBY.

London Office: CROWN HOUSE, ALDWYCH, W.C.2



Get the right set the wonderful "PELMERSET"

The "PELMERSET," complete with two selected valves—one high frequency and one detector, the high frequency valve being of the tuned anode type—H.T. Battery, 6 volts, 40 amp, accumulator, 100ft. stranded Copper Wire, two Insulators, one pair 4,000 ohms Headphones.

Passed by P.M.G. Bears B.B.C. Stamp.



Why be content with one programme only? Enjoy the programmes of the Continent and all British Broadcasting. For 60/- with order and eleven monthly payments of 19/-, or 5/- a week, the 2-valve Wireless Selective "PELMERSET" Receiver will be sent to you complete with all equipment, on acceptance of order. Post your order to-day so that you can really enjoy wireless with the least possible delay.

60/- WITH ORDER

and eleven payments of 19/- monthly.
(Valves &c. H.T.O. & Mounts extra included).

TO DEALERS: Write for particulars of this scheme.

PERONET Ltd.,
(Showrooms)
(R.T. 3), 38, Bloomsbury Square,
LONDON, W.C.1
Phone: Museum 3134.

"Oh, dear! But what was he doing on the roof?"

"Fixing up an aerial!"

"Well, I'm dashed, he ought to have known better and bought a—

CLIMAX MONOVALVE

No Outside Aerial. No Earth.
No Installation Cost.
Portable as a Gramophone.

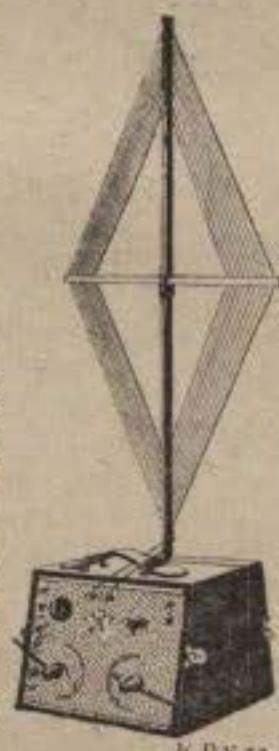
Gives you splendid results up to 50 miles from a broadcasting station, while it is also possible to listen to other programmes up to 500 miles away when conditions are favourable.

Price of Climax Monovalve with Climax patented folding frame £10
aerial.

If used with B.B.C. Licence, Tax 1/- extra.)
ACCESSORIES REQUIRED: HEADPHONES ALV.
AND BATTERIES APPROX. COST £4.

(Any standard accessories can be used.)
Write for full particulars (Dept. R.T.).

CLIMAX PATENTS, LTD.,
182, Church Street, Kensington, London, W.8.
Phone: Park 3023.



E.P.S.72

WATES "BIJOUPHONE" CRYSTAL SET.

Exclusive Features:

Variometer
Tuning.

Sensitive enclosed
detector with
solid gold cat's
whisker.

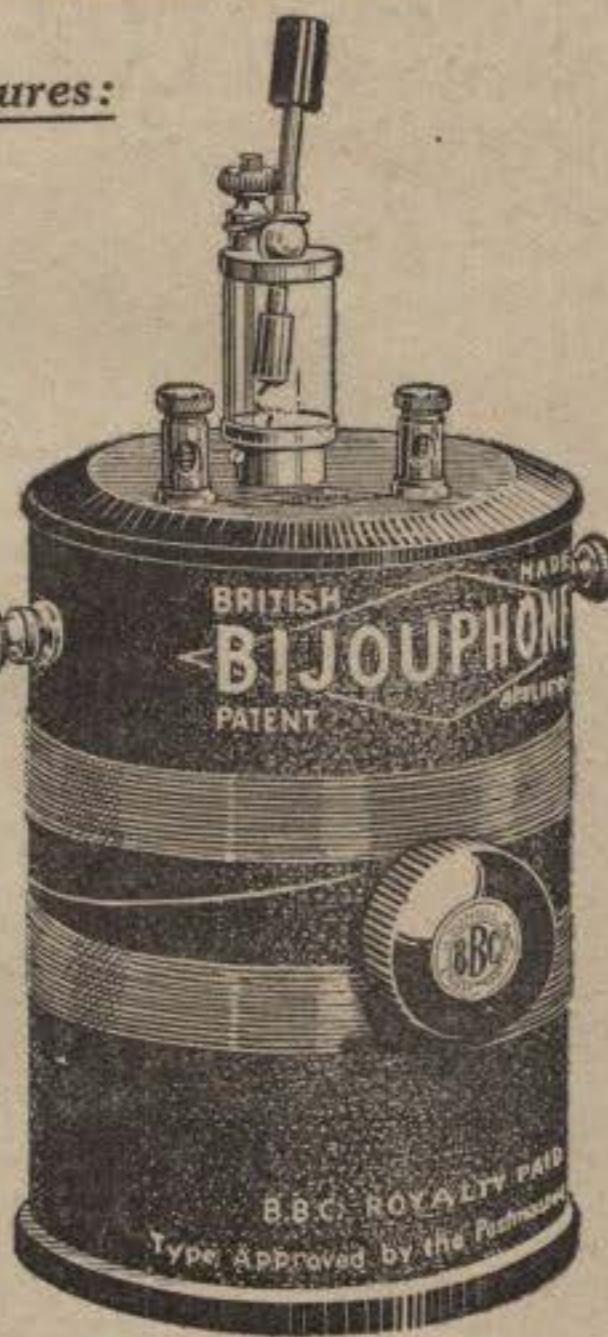
Nickel plated
fittings.

Ebonite panel
top.

Range 30 miles—
more under
favourable con-
ditions.

SPECIAL AUXILI-
ARY CONDENSER,
ALL LOWING
RANGE OF 250/700
METRES.

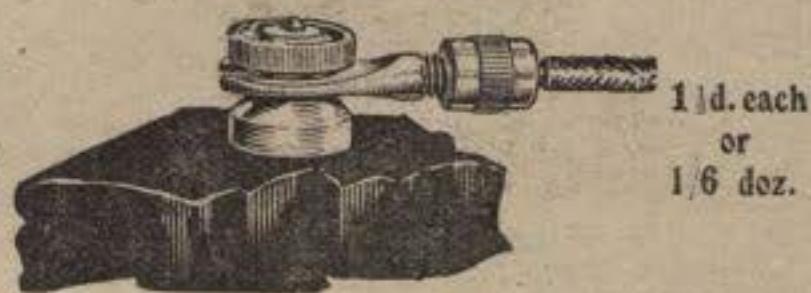
We have many letters
stating what splendid
results are being
obtained with this
marvellous little set.



7/6 Complete.

B.B.C. TAX, 1/-

Often you have had the annoying experience of intermittent signals, making proper tuning impossible. And it always happens at the critical moment, whilst trying to hold the weak signals, or being told how to dodge income tax and make a will instead! After the family have expressed their annoyance, we hunt for the trouble, which is invariably traced to a loose or dirty connection. WATES' "SPADE" TERMINALS make a sound job of every joint.



**POST
FREE**

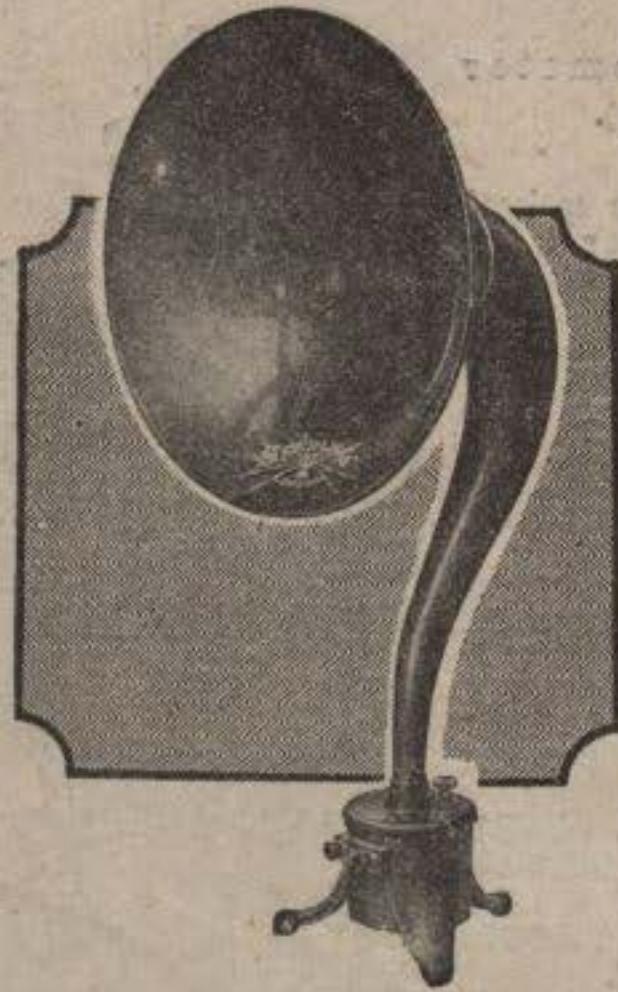
1 d. each
or
1/6 doz.

WATES BROS., Ltd.,

12, 13, & 14, Gt. Queen St., Kingsway, W.C.2

Phone—Gerrard 575 & 576. Grams—Zywateseng. Westcent.
Southern Depot (Wholesale)—101, Old Christchurch Road,
Telephone—Bournemouth. Bournemouth 3573

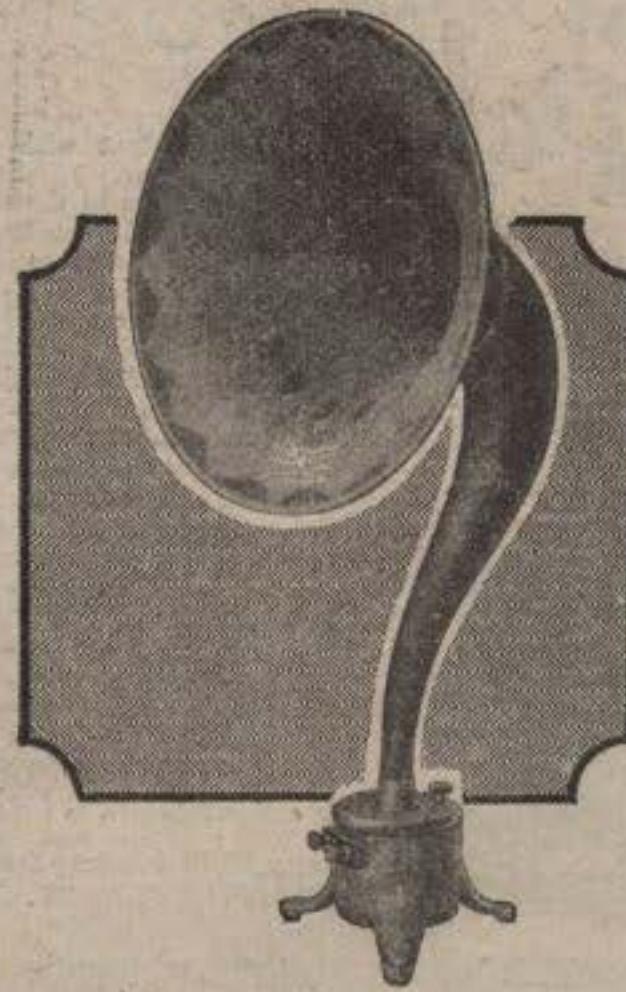
Ask to hear the "Audivox"



*Resistance
120 or 2000 ohms*

In Bright Black or Brown Enamel

£5 15 0



*Buy British
Goods only*

In Black and Gold Floral Design

£6 0 0



The SUPREME LOUD SPEAKER

The "Audivox" is faithful to an echo in reproduction—clear, mellow and resonant—and capable of greater volume than any other instrument of similar type.

Its reproduction is free from distortion. Even the most exacting musician listens with true pleasure to an "Audivox."

Instal an "Audivox" with a "Sterling" receiving set and you are assured of all the pleasure that broadcasting can give—not occasionally, but constantly; not in part, but in full all the time.

HEAR IT AT YOUR DEALER'S

*Advt. of STERLING TELEPHONE and ELECTRIC CO. LTD.
210 Tottenham Court Road, London, W.I. Works: Dagenham, Essex*