Directory of Amateur Wireless Stations

IN THE

UNITED KINGDOM.

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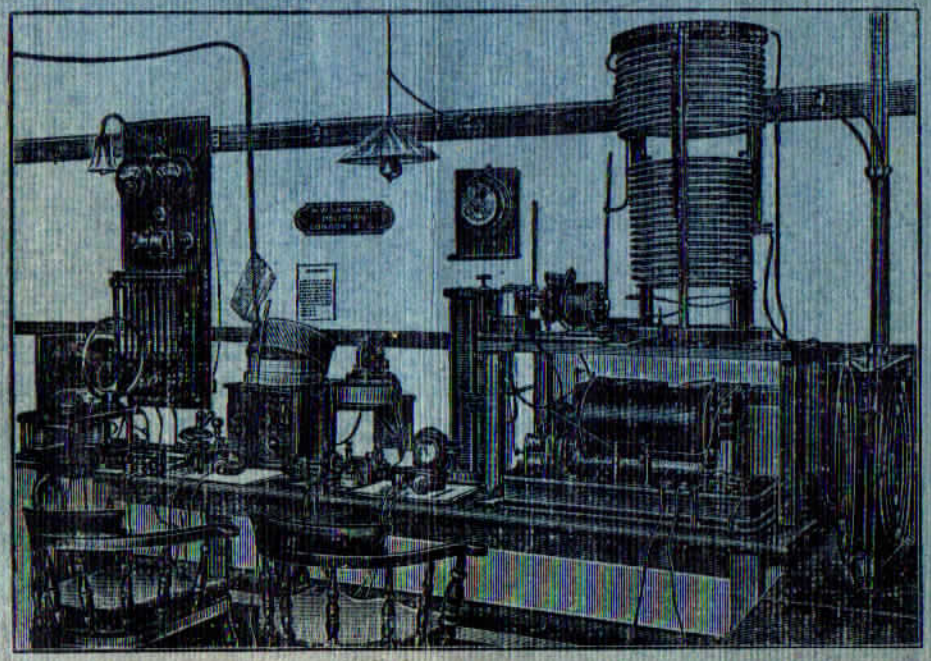

AN AMATEUR EXPERIMENTAL STATION AT WARMINSTER, WILTS.

Compiled and Published by A. W. GAMAGE, LTD., HOLBORN, LONDON, E.C.

A. W. GAMAGE, LTD., have pleasure in publishing their first Directory of Amateur Experimental Wireless Stations in the U.K., and take the opportunity of thanking those who have in any way helped in the compilation of same.

A Copy of this publication is supplied free of charge to all owners of Wireless Installations contained herein, or to any Amateur supplying details of his Station. It is not for sale.

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At the end of the Directory a list is given of those who hold Licences for *Receiving only* at the time of publication.

July, 1913.

INTERNATIONAL TIME AND WEATHER RADIO-TELEGRAPHIC SIGNALS.

Extract from "NATURE," March 13th, 1913,

By WILLIAM J. S. LOCKYER.

IT is to the French Government that the world is indebted for the institution of an international conference on the radio-telegraphic distribution of time and weather signals. So long ago as 1908 the Bureau des Longitudes suggested a series of hourly signals from the Eiffel Tower for the determination of longitudes, and this service was brought into active operation in 1910. The great success which the service met with called for a more universal use of it, and to this end the French Government invited a certain number of Foreign Governments to send delegates who had studied the problem of radio-telegraphy from the point of view of time and the determination of longitudes.

In October of last year such a conference was assembled, and programmes were formulated and resolutions passed with the object of preparing the way for the distribution of time and weather signals at stated hours from numerous selected stations suitably situated over the globe.

The outcome of this, the first international conference convened for this purpose, was a series of very important resolutions, but reference will only be made here to those that deal with the international time and weather signals. It may be of interest briefly to describe in the first instance samples of two signals that are being daily distributed at the present time, in order that the reader may compare them with the full international system which will be brought into operation on July 1 next.

Our purpose will be served if those sent out from the Eiffel Tower, Paris, and from Norddeich-Wilhelmshaven be alone considered, as these will show the different procedures adopted. To take the French signals first as recorded by a receiver in London. From this station morning and evening signals are transmitted, and at each transmission three separate "minute" signals are sent. Thus in the morning the observer can hear the tap from the pendulum clock in Paris at 10h. 45m. os, 10h. 47m. os., and 10h. 49m. os., and in the evening at 23h. 45m. os., 23h. 47m. os., and 23h. 49m., os., the clock indicating Greenwich mean time. In order to warn those who intend to receive the signals wherever they may be, a certain procedure is adopted which is the same for both morning and evening transmissions. This procedure is as follows:—

Let us suppose that we wish to correct our watch and therefore require to hear the morning signals. At about 10h. 40m. one sits by the receiving apparatus with the telephone fixed on the head, the coils set for the wave-length in use about (2000 metres) and the detector adjusted, and waits for the preliminary signals. It may be mentioned here that the noise heard is of a powerful medium note, and the operator transmits the individual signals quite slowly so that they are easy to discipher.

The first sounds to be heard are the signal ta-te-ta-te-ta (-.-.-) repeated three times, which is a "call" signal in Morse preliminary to every transmission. Then follows -...-, which means (=), a signal to separate the "call" from that which follows. The operator transmitting then sends out the following in Morse:—

P A R I S O B SER V A T O I R E

(double dash)

s i g n a u x h o r a i r e s

The last four signals indicate "wait," repeated four times.

The foregoing announcement is the preamble preliminary to the time signals.

At 10h. 44m. os. a series of longs or ----, &c., are transmitted, ceasing at 10h. 44m. 55s.; then there is silence for some seconds, and *exactly* at 10h. 45m. os. a single "short" is heard.

A whole minute is then allowed to elapse with no signals at all, but at 10h. 46m. os. a new series of signals is commenced --.. --.. --.., &c., until 10h. 46m. 55s. is reached, when again there is silence for a few

seconds, and then a short tap at *exactly* 10h. 47m. 0s. Another minute of silence is then allowed to pass, and at 10h. 48m. 0s. a different series of signals is commenced ▬▬▬ ▬▬▬ ▬▬▬, &c., terminating about 10h. 48m. 55s., when after a few seconds' silence the single tap that follows indicates *exactly* 10h. 49m. 0s.

Thus it will be observed that the hearer has not only three opportunities of correcting his timepiece, but if by chance he missed the first signal at 10h. 45m. 0s. he can identify the other minutes by the different signals which precede them.

In the case of the German signals transmitted from Norddeich-Wilhelmshaven, at about midday and midnight, the procedure is quite different. The first notification is the transmission of a series of V's thus, ···▬ ···▬ ···▬, &c., to give the hearers a chance to tune their instruments to the wave-length in use (about 1750 metres) if not already in adjustment. The "call" signal ▬·▬·▬ is then sent out, followed by the "call" signal of the station transmitting, namely, Norddeich, thus ▬·▬ ▬· ▬··. The fact that Greenwich mean time is being sent is given in the next signal in the form ▬ ▬·· ▬··, where MGZ indicate Mittel Greenwich Zeit. At 11h. 58m. 38s. the signal ▬·▬·▬ or attention is repeated, and then follows the following series of signals:

Commencing at 11h. 58m. 46s., a tap is heard at *every second* until 11h. 58m. 50s. is reached; then a short pause is made, and another series of taps from 11h. 58m. 56s. to 11h. 59m. 0s.; again another pause, and a third series from 11h. 59m. 6s. to 11h. 59m. 10s. Then follows a longer pause, and a similar series of taps is heard for each of the intervals 11h. 59m. 36s. to 11h. 59m. 40s., 11h. 59m. 46s. to 11h. 59m. 50s., and 11h. 59m. 56s. to 12h. 0m. 0s. A few seconds after the last tap the signal ▬·▬ indicating the end of transmission is given.

The above two examples show what very different systems are in use for the distribution of time by radio-telegraphy. They serve further to indicate that unless some international scheme is at once brought into operation, many other different systems may be added.

The Paris International Conference has thus stepped into the breach at the right moment and brought out a scheme which will be universally adopted and commenced on July 1 of the present year.

It is proposed for the international scheme that Greenwich time should be used throughout, and that the time signal should be transmitted at exact hours. It was further arranged that there should be no overlapping, *i.e.*, that no two stations should send out signals at the same hour, and that the same wave-length (about 2500 metres) should be universally adopted.

A preliminary list of stations that will be in active operation by July 1 is as follows, and the times at which they will transmit their signals are added:

	Greenwich civil time. Hours
Paris	0 (midnight)
San Fernando (Brazil)	2
Arlington (U.S.A.)	3
Manilla	4 (provisionally)
Mogadiscio (Italian Somaliland)	4
Timbuctu	6
Paris	10
Norddeich-Wilhelmshaven...	12 (midday)
San Fernando (Brazil)	16
Arlington (U.S.A.)	17
Massowah (Eyrthrea)	18
San Francisco	20
Norddeich-Wilhelmshaven...	22

Since September 1, 1912, radio-telegraphic time signals have been daily sent out from Choshi, on the eastern shore of Japan. They are transmitted at 9 p.m. Japanese standard time, *i.e.*, at Greenwich noon. This station will no doubt adopt the international scheme.

An important part of the scheme that is desired, and will ultimately no doubt be accomplished, is that both a day and a night signal can be received at any point on the globe.

Now as to the method which will be adopted for distributing the exact time at all transmitting stations.

To make the system quite clear, the accompanying figure (Fig. 1), taken from the report of the conference as recorded in the *Comptes rendus* (November 4, 1912, No. 19, vol. clv., p. 872), is shown. The reader is supposed to commence the time reckoning from the innermost portion of the spiral.

At three minutes before the hour—that is, at any hour at which the signals are intended to distribute the time—the transmitting operator sends out a series of successive similar preliminary signals, a repetition of the letter X in Morse ▬··▬ ▬··▬ ▬··▬, &c. These commence at the beginning of the 57th minute, and continue until 57m. 50s. has been reached. Then, beginning at the 55th second, three longs are given at intervals of one second, each long *lasting one second*. In the 58th minute a short (lasting for a *quarter* of a second), preceded by a long commencing two seconds before, heralds every tenth second, and at the 55th second three longs as before are signalled. During the 59th minute two longs, preceding the quarter-second tap at every tenth second, are transmitted, and this minute concludes as before with the three longs at seconds intervals.

By following the spiral outwards and noting the positions of the longs and shorts in relation to the divisions in seconds on the outer circle, the system can be easily understood.

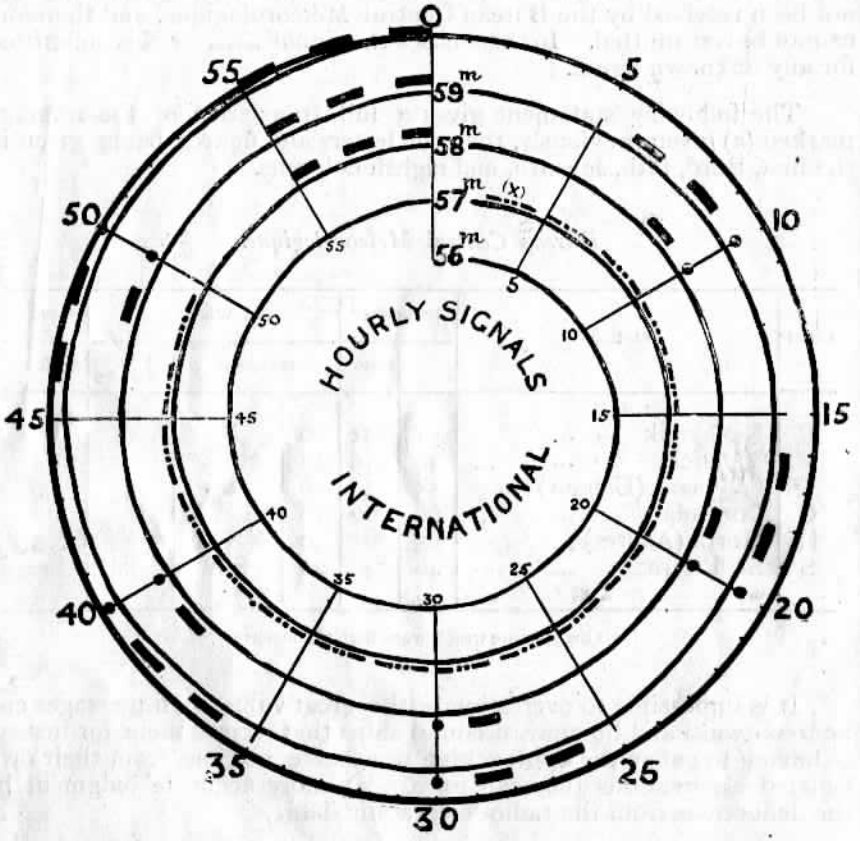

FIG. 1.—Diagram to illustrate the international system of radio-telegraphic time signals which will come into operation on July 1 of this year.

It will thus be seen that each short signal or tap will give the receiver a chance of comparing his clock, and the dissimilar preliminary signals will inform him whether the minute involved is the 58th or 59th.

When all stations bring this excellent and very simple system into operation, it will be most easy for anyone unacquainted even with the Morse alphabet to check their clocks accurately.

Now while the above arrangements as regards the distribution of time will come into force on July 1 next, the questions as regards the type of weather messages, which will be transmitted directly after the time signals have been sent out, are not yet settled.

There is little doubt, however, that each transmitting station will send out a general description of the air movements over a wide area of which the station is about a centre, and also some definite data as regards certain specified stations useful for that area.

At the present time both Paris and Norddeich send out such messages, and it may be of interest to describe the procedure now followed at the former station, for it is probable that little, if any, change will be made with regard to the system there in vogue.

Let us suppose that the time signals at 10h. 45m. 0s., 10h. 47m. 0s., 10h. 49m. 0s. have just been transmitted from the Eiffel Tower, then there follow immediately after them the weather signals. It may be mentioned again that the signals are sent through quite slowly, so that with a little practice they can be easily recorded and deciphered.

A typical message received in London on January 28, 1913, ran as follows:

(*a*) =BCM=R.51000=V.491424=O.551633=
C.621812=H.653043=S.46207=
Pression basse ouest Europe élevée nord= =

(*b*) R.51000=V.491424=O.551633=
C.621812=H.653043=S.46207=
Pression basse ouest Europe élevée nord=

(*c*) Paris= vent 9 mètres stationnaire sud croît pression 758 stationnaire ciel couvert= =

(*d*) V. 9 m ss sud cc pp 758 ss ciel couvert

Then follow the signals:

-.-.-. (end of transmission).

--.- .--. (FL repeated several times, which denote Eiffel Tower).

And lastly

...-.- (end of work).

The above message has been divided into four sections and marked (*a*) (*b*) (*c*) (*d*), in order to show that (*b*) is simply a repetition of (*a*), and that (*d*) is a repetition of (*c*), only sent in brief, *i.e.* "V" corresponds to "vent," "m" to "mètres," "ss" to "stationnaire," &c.

In deciphering the message only (*a*) has to be considered, because (*c*) explains itself, being the general weather conditions at Paris stating the velocity of the wind in metres per second, direction of wind, pressure in millimetres, and state of sky. At 3 p.m. each afternoon a similar message stating the meteorological conditions at Paris is transmitted from the Eiffel Tower.

With reference to (*a*), then, the message contains information relating to (1) atmospheric pressure, (2) wind direction and force (3) the state of the sea, *in code* from the following six stations: Reykjavik (R),

Valencia (V), Ushant (Ouessant) (O), Corunna (C), Horta (H) (Azores), for 7 a.m.; and for St. Pierre (S) (Miquelon, Newfoundland) for the preceding 8 a.m. (see Fig. 2).

The coded part of the message is given in seven groups. The first group, BCM, stands for the Bureau Central Météorologique, and indicates the source of the information. The above-named stations are indicated by the single letters printed in brackets above.

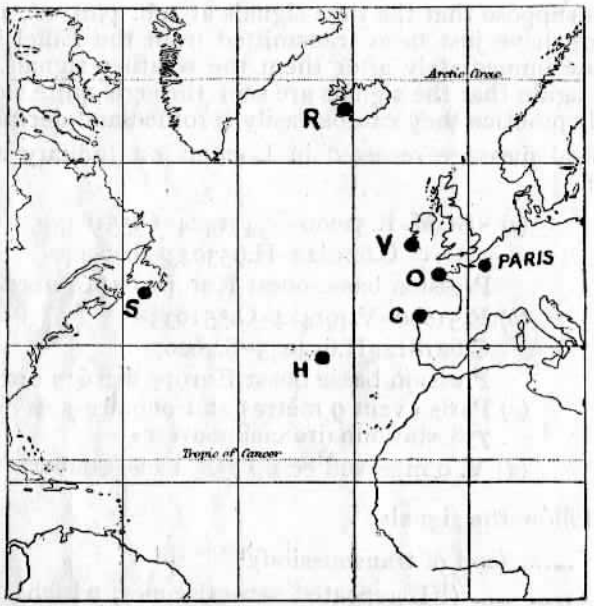

FIG. 2—Chart showing the positions of the stations neighbouring the North Atlantic, the meteorological conditions at which are daily transmitted by radio-telegraphy from the Eiffel Tower. (See text for names of stations indicated).

The first two figures in each group indicate the barometric pressure in millimetres, it being understood that 700 mm. should be added. The next two figures represent the wind direction in points of the compass as follows:—

Code No.	32	02	04	06	08	10	12	14	16	18	20	22	24	26	28	30
Direction	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW

The fifth figure denotes the wind force on a scale ranging from 0, a calm, to 9, a hurricane. The sixth and last figure shows the state of the sea, a "calm" being denoted by 0 and "tremendous" by 9.

In the case of Reykjavik and St. Pierre, the sixth figure is omitted, no reports for transmission being available.

It sometimes happens that when the messages are being sent out from the Eiffel Tower, some of the data for some of the stations have not been received by the Bureau Central Météorologique, and therefore cannot be transmitted. In these cases the signal ---- or X is submitted for any unknown figure.

The following statement gives a full translation of the message marked (*a*) given previously, the code letters and figures being given in the first, third, fifth, seventh, and eighth columns.

Bureau Central Meteorologique.

Letter	Station	Barometer		Wind			Sea
			mm	Direction		Force Scale 0-9	Scale 0-9
R	Reykjavik	51	751	00	N	0	—
V	Valencia	49	749	14	SSE	2	4
O	Ouessant (Ushant) ...	55	755	16	S	3	3
C	Corunna	62	762	18	SSW	1	2
H	Horta (Azores)	65	765	30	NNW	4	3
S	St. Pierre	46	746	20	SW	7	—

Low pressure west Europe high to the north.

It is impossible to overestimate the great value such messages can be to outward and homeward bound ships that receive them, for instead of having to gauge the approaching weather conditions from their own isolated observations they can form a far more accurate judgment by the deductions from the radio-telegraphic data.

While the distribution of time and weather signals will be of general utility, perhaps its most important value will be felt by sailors. Cut off from all shore communication with the exception of wireless, they will be put on nearly the same equality as land stations when the international system is in full swing.

Valencia (V), Ushant (Ouessant) (O), Corunna (C), Horta (H) (Azores), for 7 a.m.; and for St. Pierre (S) (Miquelon, Newfoundland) for the preceding 8 a.m. (see Fig. 2).

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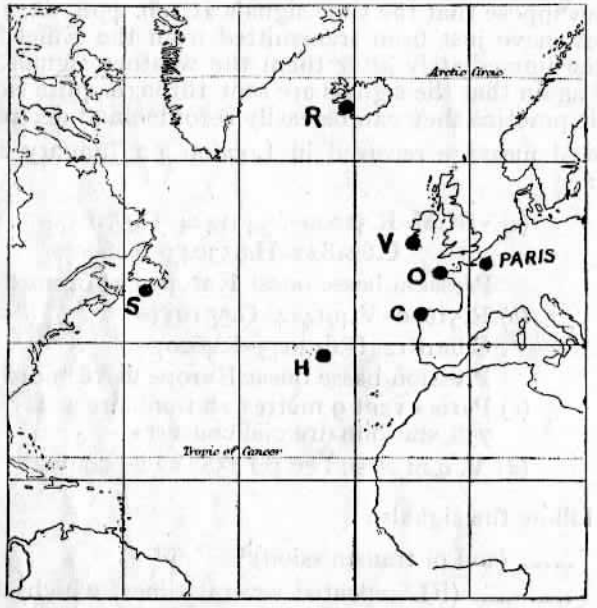

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Official Call Letters.	ADDRESS	NAME	Telephone No.	Power	Transmitting Wave Length (Meters)	Sending Range in Miles	Receiving Wave Length (Meters)	Receiving Range Miles	Remarks Transmitting	Usual Times of Working	Club of which a Member if any
A											
A B X	Highgate, 49, Claremont Road	F. Bennett		⅛ Coil	300		Any				
A G X	Forest Gate, 41, Claremont Road	T. W. Atkin		10 Watts	200	1	200 up	250		6—10 p.m.	
A L X	Middlesboro, 173, Newport Road	J. C. Appleton		80 Watts	200						
A X F	Grantham, Mowbray House	James W. Armstrong		50 Watts							
B											
B A X	Croydon, 6, The Waldrons	*Model Engineer*		50 Watts	300—600		450			2—5 p.m. & 8.30 p.m.—12	
B H X	Newport, (Mon), Bassaleg Road	C. H. Bailey		6 in. Coil							
B J X	Redhill, Station Road	L. A. Brown		20 Watts	200	4				8.30 p.m.	
B O X	Richmond, 10, Onslow Road	G. G. Blake			300—600						
B Q X	Blackburn, Simmons Street	Mr. Burton			250						
B V X	92, Warley Road, Blackpool	J. F. Fish		Accum. 30 Watts	100	18	250	1,000		Evening	
B X I	Nottingham, Gordon L. Ruddington	L. M. Baker	4 Ruddmgt'n	Accum.	200	20	up to 200	500	4-in. Coil	6.30—9 p.m.	
B X J	Derby, Whitaker Road	Wm. Bembrose	105 Derby		250	25	up to 5,000	1,000			
B X K	Warwickshire, Solihull, Berryfield	P. Stanley Beaufort	48 Solih'l	Accum.	Variable					Evenings	B'ham Wireless Assoc'n Treas.
B X M	Leeds, 4, Warwick Place	A. M. Bage			500	5	up to 5,000	500			
B X T	Armswell, Wolvey, Nr. Hinckley	G. P. Bailey		Accum.	Not yet complete		300—6000	800		Morning and Evening	Derby Wireless Club.
B X V	Norbury, 7, Strathyre Avenue	W. G. Bayman		Accum. 30 Watts	not over 200	2		1,000	1-in. Coil.	7.30—10 p.m.	
B X Z	Huddersfield, 11, South Parade	T. Brook									
C											
C D X	Bristol, Tudor Lodge, Cotham Brow, Cotham	R. W. G. Cox									
C J X	Purley, Collinwood, Purley Knoll	C. A. Collins	39 Purley	120 Watts	200	15	Std. Bi. 600	100		After 8 p.m.	
C L B	Harrogate, 78, High Street, Starbeck	Rev. K. Moillut	Joint Licence	15 Watts	100	5	Any	600			
C L B	Harrogate, Doric Lodge, Hookstone Lodge	F. Pretty		15 Watts	100	5	Any	600			
C N X	New Malden	J. Coxon			450						
C U X	Wandsworth, 24, Santos Road, West Hill	F. China		Accum. 50 Watts	300	12	up to 10,000	800	Ordinary and Musical Notes	8—12 p.m.	

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C — *Continued.*											
C V X	Hove, Holmcroft, Wilbury Villas	R. Chimes	2171 X	12 Watts	400	2	200—5,000	700		7.30—10 p.m.	
C X C	Clitheroe (Lancs.), 8, Market Place,	P. W. Cunliffe									
C X D	London, 20, Senegal Road, S.E.	J. E. Catt			300						
C X F	Barnes, Wandsworth Common, etc	Portable Field Sets		10 Watts	150	5	up to 10,000	1,000		Only used occasionally	
C X G	Leeds, Elmhurst, Beeston	P. Cockroft			500	8—12					
C X I	Anerley, 4, Weighton Road	Corry		Accum. 100 Watts	250	10				8.30 p.m.	
C X M	Fallowfield, Moseley Road C. School	Manchester Educ. Com.									
C X P	Brighton, Chiswick Lodge, Tivoli Cres	A. W. Chandler		Accum. 50 Watts	200	10	up to 5,000	1,000		Evenings	
C X X	Leyton, 57, Wesley Road	F. C. Stimson		30 Watts	350						
D											
D H X	Halifax, Rostellan, Saville Park	P. Denison	1244	Mains 230 V 20 A	200—600	50	150—6,000	1,500		W'rks occas'nly transferred to P H X	
D M X	Colchester	F. G. Marshall		¼ K W	450						
D N X	Woolwich Arsenal	Col. Dennis		¼ K W	430						
D P X	Durdham Down	Geo. Sharp			200 Var.						
D T J	Liscard, Cheshire, 11, Denton Drive	D. Roberts									
D T X	Glasgow, Florida, Airlie Drive	A. Dimsdale		Mains 50 Watts	200	25	Up to 5,000	800		7—12 Wkdys. 2—12 Sun. Sat.	
D W X	Corra Linn, Cockshot Road, Reigate, Surrey	B. L. Davies		8 Volts Amp. Accum	10—350	10	350	1,500	Ordinary 1 in. spark coil and accessories	8—12 p.m.	None at present
D X A	Colchester, 215 Maldon Road	J. E. Dyer			200						
D X B	Putney, London, S.W., 26, Hazlewell Road	A. C. Dufort		Ac. 48 Watts	200	15	10,000			6—12 p.m.	
D X D	Dorchester, Commercial School	A. V. Dodderidge		Stationary	Set		100 up			after 6 p.m.	
D X E	Dorchester, Commercial School	A. V. Dodderidge		Stationary	Set		100 up			after 6 p.m.	
D Z X	Derby, 61, Arthur Street	J. W. Downes			200	10	8,000	1,000			
E											
E N X	London, Westminster City School, Palace Street	H. F. Brand		100 Watts	150—200						London Wireless Club
E T X	Bradford, 15, Hartlington Terrace, Lidget Green	A. Barber		100 Watts	300						
E X B	Small Heath, Birmingham, High Villas, High Road	A. J. Evans			200						
E X C	Spennymoor, 7, Beamont Terrace	F. A. Elliff		Ac. 45 Watts	200	5	200 up	1,000		8.30—11.30 p.m.	
E X D	Cricklewood, London, N.W., 6, Crickle Road	L. P. Elmer		40 Watts	200	10	up to 4,000	400		7—10 p.m. Sat 3—10 p.m.	L. W. Club
E X G	Lyndhurst, Hants., St. Amands, Forest Gardens	G. E. Eyston	17 Lyndhurst	Ac. 50 Watts	200		up to 6,000	700		Sat. nights and Sundays	

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F											
F F X	Brighouse, Yorks., Spring Villa	P. Farren	23 X	100 Watts	600	15	up to 7,000			7—11 p.m.	
F O X	Manningham, Bradford, 56, Oak Lane	W. S. Forman		Accum.	200	2	250—5,000	400			
F P X	Sydenham, S.E., 53, Bishopsthorpe Road	F. Pinkerton		8—10 Volts					4 in. Coil		
F W X	London, W. Kensington, 52, Fairholme Road			100 Watts	100		100—1,600				
F X A	Croydon, 107, Park Lane	V. N. Fenton			150						
F X K	Otford, Kent	S. H. Freeman		Mains 50 Watts	200				5 in. Coil		
G											
G B X	Banbury, Wood Green	J. A. Gillett	81 Banbury	Mains 200	560		300—6,000			Usual	
G F L	Longton, Staffs., 349, Florence Terrace, The Meir			Watts							
G M A	Grantham, Mowbray House	J. W. Armstrong		Ac. 8 V. 40 A.	200	18	up to 3,000	300		8—10 p.m.	
G S X	Knowle, 1, Leighton Road	Geo. Sharp			200 Var.						
G W X	Clifton, Bristol, 3, Glentworth Road	H. D. Griffith		37 Watts	115						
G W X	Yeovil, 1 King Street	G. W. Mortimer		¾ in. Coil							
G X A	Streatham, S.E.	College		200 Watts	320						
G X C	Canterbury, 43, Marty's Field Road	S. J. Gibbs		20 Watts	200			600			
G X F	Northampton, 6, Cowper Street	W. T. Gibson		40 Watts	100	10	200 up				
G X I	Northampton, 194, Kettering Road	F. J. Harris	10 X	40 Watts	200	6	200 up	600			
G X Q	Ealing, 11, Elders Road	H. Grundy P. G. Mitchell		50 Watts	200	6	200—7,000	500	Directional to South	8 -9 p.m.	
G X S	Ilford, 20, Rutland Road	F. C. Grover	Ilford 686	Secondary Calls 48 Watts	150	10	Up to 4,000			6.30—12 p.m.	
H											
H A X	S. Croydon, 80, Avondale Road	C. Harrison			260						
H B X	Belfast, Ireland, 5, Wilmont Terrace, Lisburn Road	A. A. Blackburne	1, 06		200						
H H X	Hither Green, 153, Glenfarg Road	H. Hildersley		12 Watts	200	7	Variable	600	Musical note	Evenings	
H L X	Bath	Col. Hippesley		½ Kw.							
H R X	Canterbury, 4, St. Mary's Street	A. V. Hughes			600				8 in. Coil		
H U X	Derby, Rowditch	A. Hulme			200	5	4,000	1,000			
H X A	Liverpool, 18, Elm Hall Drive, Mossley Hill	J. A. Henderson		10 Watts	150						

Official Call Letters	ADDRESS	NAME	Telephone No.	Power	Transmitting Wave Length (Meters)	Sending Range in Miles	Receiving Wave Length (Meters)	Receiving Range Miles	Remarks Transmitting	Usual Times of Working	Club of which a Member if any
H—*Continued*											
H X D	West Malling, High Street	E. Hoad		4 Watts	100	1		1,000	Low Note		
H X E	Croydon, 1, Northampton Road, Addiscombe	E. Hart		Mains 40 Wts	200	10	200 up	500	1½ in. Coil	8—9 p.m.	
H X L	Rawditch, Derby, The Orchard	A. B. Hulme			450	8					
H X O	Wilts, Colne, Chilvester Lodge	P. V. Harris	38X	150 Watts	Varies Usually 200	35		800	Coil. Mercury break Rotary gap, loose c'ple	10—12 p.m.	
H X X	Norbury, S.W., 11, Norbury Court Road	L. W. Hayes		Alternating Mains 80 Watts	270 – 300	10—20	About 300	500	Rotary gap to be used, aerial operating room	Any time after 6 p.m.	London W. Club
H X Z	Surrey, Helford, Limpsfield	A. G. Hansford		40 Watts	200	20 – 40	100—7,000	1,150			
I											
I A X	Catford, S.E., 30, Birkhill Road	A. Irwin		Accum. 20 Watts	200	6	Variable	600	Slightly Musical Note	Evenings	
I B S	Sheffield, Brincliffe, Lee Crest	J. F. H. Suman			100 – 200	5		525		6—10 p.m. Sun.	
I C X	Catford, S.E., 56, Balloch Road	G. C. Farthing		Accum. 20 Watts	200	6	200 up	6		9 a.m.—10 p.m. 7—10 p.m.	
I J X	Putney, 75, Deodar Road	W. H. Clegg									
I X H	Norwood, 81, South Norwood Hill, S.E.	E. J. Housden		Mains 10 Wts	100	6	200—5000	800		8—10 p.m.	
I Q X	Sowerby Bridge, Throstle Nest	R Clay									
I X I	Ilford, Ingram's Commercial School	Mrs. C. Ingram	142 Ilford	Secondary Batteries 30 Watts	200	10	Up to 3000	1000	Used chiefly by Pupils Ingrams W.T.S., Ilford		
J											
J C X	Welland, Malvern, Brook End,	M. Jeynes		¼ Kw.	430					Evenings	
J F E	Elland, Lancs., 9, Myrtle Road	G. Ford			210						
J H X	Marplebridge, Manor House, Mellor	W. Jowett			100						
J J X	Colchester, Lion Walk	L. H. Johnson					100 up	90			
J R X	Pitsmoor, Sheffield, Park View, Hinde House Lane	L. Johnson		20 Watts	200		300-500	1,600		Evenings	
J T X	Bexhill, Trederwyn, The Down	Rev. G. T. Johnson		100 Watts	480	20				6.30—7.30 p.m.	
J V X	Bradford, Lister Hills, 59, Lerams Terr.	T. H. Hudson			200						
J X X	Hounslow, Clipstone House	A. R. C. Johnson	173		250-300	10	900				
J Z X	West Bromwich, The Beeches	F. K. Crowther	Hounslow	200 Watts	200	50	up to 7000		Rotary Converter		

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K											
K A X	Co Galway, Ireland District Asylum, Ballinasloe,	J. St.L. Kirwan		120 and 200 Watts	300	20	200—7,000	1,000		Morning and Night	
K S A	Blackrock, Dublin, Ireland Rock Road,	J. G. Wilson			100	4		600			
K S T	Chelsea, London, 9, Onslow Studios, King's Road	A. Mountford		Accum.					2 in. Coil		
K T X	Ramsbottom, Lancs., 95, Chatterton Rd.	J. Kershaw		25 Watts	200	15	200 up			7—10 p.m. Sat. 2—10 p.m. Sun. 10.30-6 p.m.	
K U X	Ramsbottom, Lancs., Holcombe Hill Sta.	J. Kershaw		25 Watts	200					Week ends	
K X B	Purley, Karnak, Woodcote	Dr. Knott			300					10, 2, 4, 6, 8.	
K X C	Battersea, London, 59, Bridge Road	Dr. F.C. Kempster S. F. Harris		Accum. 4 volt	85	10	up to 300	30		7.30—9.30 p.m.	13th B.P Boy Scouts
K X D	Battersea, London, 59, Bridge Road		Field Station	20 A.	25	10	up to 200	65		2.30-8 p.m. Sat.	
K X X	South Norwood, London, S.E., 26, Enmore Road	R. G. Gardner	131 Croyd'n	20 Watts	150	4	100	500			
K Y X	Norbury, London, 14, Norbury Crest	E. W. Kitchen		Mains 100 Watts	300	20	10,000	2,000		8—11 p.m. 10.30-10.30 Sat.	London Wireless Club
L											
L I X	Partick, N.B., 33, Clarendon Street	F. A. Lewis		Accum.	200—250					7—9 Sat. 2—5	
L O X	Derby, White Street	J. Lowe			200	10	8,000	1,000			
L U X	Bolton Lieutenants	J. Scott Taggart		10 Watts	100	5	300 up	530			
L X A	West Malling, Kent, High Street	H. J. Lucas		50 Watts	300	5		1,000	Low Note		
L X L	West Malling, Kent, High Street	H. J. Lucas		50 Watts	450	15	1,400	1,400	Low Note		
L X O	Brighouse, Yorks., Albert Terrace	J. Lindsay		50 Watts	600						
L X X	Bexhill, Sussex, St. Stephen's Vicarage	Rev. E. H. Leale		Accum.	370					9.30—10 a.m. & Evenings	
L Y X	Derby, Lonsdal Hill	A. T. Lee			250	10	5,000	1,000			London Wireless Derby Wireless Clubs
L Z X	London, E., 154, East India Dock Road	Rev. F. L. W. Sealy	1010 East	8 V. 40 A. Ac.	100	5	600	300		Varied	

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M											
M A X	London, 74, Ella Street	A. C. Mayman		10 Watts	100	2	up to 3,000	1,900		10—11 p.m.	
M D F	Beith, Mainshamilton, Ayrshire	M. D. F.	51 Beith	Accum	200	80-100	200—4,500	800	8—11.30 p.m. Saturdays	7—10.30 a.m. & 4—11 p.m.	
M P X	Knoll, Maiden Bradley	Geo. Sharp			200 Var.						
M S	Radlett, Herts., Gloucester Villa	P. C. Little		¾ in. Coil	80-100						
M R X	Ramsgate, Rosslyn	A. H. Medgett			200	15	200			7—10 p.m. Sat. 2—10 p.m., Sun. 10.30—6	
M V X	Wimbledon, Surrey, Glenholme, Lake Road	H. E. Mabey			up to 300						
M W X	Shepherds Bush, London, 129, Coningham Road	M. A. Watson			300	20		1,500	4-in. Coil	7—12 p.m.	London W. Club
M X A	Forest Hill, London, 18, Stondon Park	L. McMichael	1644 New X	150 Watts	250	40	200—7000	1,000	6-in. Coil	Evenings	London W. Club
M X B	London, N., 151, Englefield Road	H. Merton			300						
M X E	St. John's Wood, London, N.W., 36 Abbey Road	E. C. Montgomery-Smith, M.R.C.S.	377 Hampstead	50 Watts	200	10		500		10 p.m.	
M X L	Leytonstone, Essex, 9, Bulliver Road	C. E. Macket									
N											
N C X	Catford, London, 6, Thornsbeach Road	N. C. B. Carrick		30 Watts	120		4,000	300		2—5, 8.30—12 p.m.	
N I X	High Wycombe, Isca., Peterborough Avenue	T. J. Northy			200	40		320		Evenings and Week Ends	
N K X	Putney, London, S.W., Bleak House, Riverside	F. G. Norris			200						
N R X	Maddox Park, Bookham, Surrey	J. Gillett								7—10 p.m.	
N T X	Sydenham, London, S.E., 5, Byne Road	H. F. Newton		10 Watts	100	10	variable			6 30-11.30 p.m.	
N U X	London, S.E., 1st Sydenham B.P. Boy Scouts	H. F. Newton		0 Watts	100	10	variable			Sat. Aft'n.—9 p.m.	
N X A	Beeston, Notts., 51, Chilwell Road	W. Norbury			200 - 600	20—30	up to 7000		4 in. Coil		
N B X	Wokingham, Barkham Manor	W. Noble	4 Wokingham	¼ Kw.	500	60	Various				

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O											
O B X	Bath, Somerset, Newton St., Loe	O. H. Bayldon		¼ Kw.							
O E X	Sale, Cheshire, Lymehust, Priory Road	D. F. Owen		60 Watts	200	10					
O G X	Gurteen, Ballinasloe, Ireland, St. Kerrels	Rev. O. Loughlin			300—600						
O I X	Bristol, 7, Cavendish Rd., Westbury Park	H. Lefebie									
O J X	Birmingham, 19, Whitehead Rd., Aston Manor	G. H. Lloyd									
O K X	Manor Pk., London, 21, Wentworth Rd	B. B. Long		16 Watts Acc	150	1	600	200		6—10 p.m.	
O X B	Wylde Green, Warwick, Dilkhoosh, Mayfield Road	W. F. Baxter-Bartram	173 Sutton C'd'fld	Accum. 12 Volt 50 Watts	200	About 8	Various	Various		Evening	
O X O	Hull, 68, Marshall St., Newland Avenue	Charles Dyson						600		Sundays 10-12	
O X D	Leytonstone, Essex, Fernlea, Claremont Road	P. Bryant							1-in. Coil		
O X J	Walthamstow, 72, Wellington Road, N.E.	E. L. Ball		Accum. 25 Watts	100	5	100—3,000	250	Coil	5—11 p.m.	
O X X	Bristol, 13, Claremont Rd., Bishopaton	N Driver									
P											
P F X	South Norwood, London, S.E., Silverdale, Cargreen Road	S. Perrier		150 Watts	450	10					
P H I	Halifax, Park Place, Parkinson Lane	H. Parr		Accum. 16 V. 8 A.	150—200	5	400 6,000	1,000		8—11 p.m.	
P X H	Bournemouth, Milton House, St. Leonard's Road	P. J. Parminter		35 Watts	200		Variable				
P X I	Neasden, Middlesex, 19, Mulgrove Road	F. A. Pales		Accum. 12 Watts	250	5	250 up	300		9 a.m.—7 p.m.	
P X J	Walthamstow, E., 38, Wood End Road	L. Partridge			200						
P Z X	South Norwood, London, S.E., 24, Queens Road	H. W. Pope			450	10					
Q											
Q C X	Colchester, 2, Honywood Road	E. A. Payne			190	2	up to 800				
Q I X	Derby, 47, Full Street	Derby Wireless Club			150	2	3,000	600			
Q O X	Redhill, The Red House	C. Wood	488	20 Watts	250	5				8.30 p.m.	
Q P X	Bermondsey, London, S.E., 36, Ilderton Road	H. Walton	1644 New X	50 Watts	250						
Q Q X	Doncaster, 13, Royal Avenue	F. G. Perkins			200						
Q R X	Doncaster, Cusworth	R. J. Wittingham	119 Doncaster	50 Watts	200						

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R											
R D X	Leamington Spa, Ranston, Northumberland Road	E. Ryves		¼ Kw.	240	20	250–5,000	400		9—10.30 p.m.	
R E X	Croydon, London, Hazlemere, Chichester Road	W. Ryley		40 Watts	200	10	4,000	400		7—10 p.m. Sat 3—10 p.m.	
R J X	Heaton, Newcastle-on-Tyne, 5 Simonside Terr.	D. H. Rose			200				1-in. Coil		
R K X	W. Hampstead, London, 18, Crediton Rd.	R. H. Klein	2959 Hampstead	40 Watts	250	50	300	600—1000	8-in. Coil	8.30 p.m. and Sun. mornings	L. W. Club Derby W. Club
R L X	Warrington, 159, Winwick Road	R. Lowe		20 Watts	100—150		100 up				
R P X	Newmarket, Six Mile Bottom	R. de la Rue		80 Watts	200	10—15					
R Q X	Cambridge, Hobson Street	R. de la Rue		80 Watts	200	10—15					
R R X	East Croydon, 12, Altyre Road	C. W. Raffety		Accum. 18 Watts	About 180—250	8			Musical note	10 a.m. and evenings	
R V X	Bradford, 42, Derby Street, Gt. Horton	W. H. Rhodes			200						
R V X	Forest Gate, London, 100 Windsor Rd.	A. J. Redman									
R W X	Honor Oak Park, London, 109, Stondon Park	R. West		30 Watts 10 Watts	150						
R X A	Newport, Bucks, 4, Abbey Terrace	T. P. Rushton		50 Watts	150						
R X D	London, N., 48, Clevedon Mansions, Highgate Road	R. H. N. Dawson			200						
R X F	Birmingham, 229, Walsall Heath Road	R. H. Rogers			200						
R X K	Brighton, 11, Davigdon Road	W. J. & W. R. Kingston		Acc. 50 Wts.	200	10	up to 8,000	1,000		Evenings	
R X N	Wakefield, Grange Moor	A. N. Roberts, B.Sc.		Acc. 100 Wts.	300	20	4,000	800		after 6 p.m.	
S											
S A X	Coventry, 67, Albany Road	G. Smith		60 Watts	80—100	26		25		All day	President Coventry Wireless Club
S J X	Thornton Heath, Surrey, 4, Norfolk Rd.	S. J. Groves			300						
S M X	Tunbridge Wells, 57, Calverden Pk. Rd.	A. Stapley	294				160 up	4,500		Evenings	
S O X	Blackburn, Hollytree House, Cherrytree	R. Spencer			250						
S T C	Scarborough, Tramways Co., Scalby Rd.	W. E. Nicholl	Scarborough				300 up				
S U N	Larne, Ireland, Sun Laundry	C. Ross	23 Larne				300—7,000	500			
S X B	Highgate, London, N., 15, Avenue Rd.	N. H. Swinstead		50 Watts	200	5–10				9.30 p.m.	
S X F	Stroud Green, London, N., 50, Ferme Park Road	W. G. Stockall		20 Watts	300	5	5,000	1,000		7—11 p.m.	
S X N	Birmingham, 62, Wheelwright Road, Erdington	F. C. Spurr		30 Watts	200						
S X S	Kenilworth, Warwick, Park Hill	H. L. Stringer	9 Kenilworth	Accum. 40 Watts	150—200	5	200—1,000	1,000		10.15 a.m. and 10.15 p.m.	

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R											
R D X	Leamington Spa, Ranston, Northumberland Road	E. Ryves		¼ Kw.	240	20	250– 5,000	400		9—10.30 p.m.	
R E X	Croydon, London, Hazlemere, Chichester Road	W. Ryley		40 Watts	200	10	4,000	400		7—10 p.m. Sat 3—10 p.m.	
R J X	Heaton, Newcastle-on-Tyne, 5 Simonside Terr.	D. H. Rose			200				1-in. Coil		
R K X	W. Hampstead, London, 18, Crediton Rd.	R. H. Klein	2959 Hampstead	40 Watts	250	50	300	600—1000	8-in. Coil	8.30 p.m. and Sun. mornings	L. W. Club Derby W. Club
R L X	Warrington, 159, Winwick Road	R. Lowe		20 Watts	100—150		100 up				
R P X	Newmarket, Six Mile Bottom	R. de la Rue		80 Watts	200	10—15					
R Q X	Cambridge, Hobson Street	R. de la Rue		80 Watts	200	10—15					
R R X	East Croydon, 12, Altyre Road	C. W. Raffety		Accum. 18 Watts	About 180—250	8			Musical note	10 a.m. and evenings	
R V X	Bradford, 42, Derby Street, Gt. Horton	W. H. Rhodes			200						
R V X	Forest Gate, London, 100 Windsor Rd.	A. J. Redman									
R W X	Honor Oak Park, London, 109, Stondon Park	R. West		30 Watts 10 Watts	150						
R X A	Newport, Bucks, 4, Abbey Terrace	T. P. Rushton		50 Watts	150						
R X D	London, N., 48, Clevedon Mansions, Highgate Road	R. H. N. Dawson			200						
R X F	Birmingham, 229, Walsall Heath Road	R. H. Rogers			200						
R X K	Brighton, 11, Davigdon Road	W. J. & W. R. Kingston		Acc. 50 Wts.	200	10	up to 8,000	1,000		Evenings	
R X N	Wakefield, Grange Moor	A. N. Roberts, B.Sc.		Acc. 100 Wts.	300	20	4,000	800		after 6 p.m.	
S											
S A X	Coventry, 67, Albany Road	G. Smith		60 Watts	80—100	26		25		All day	President Coventry Wireless Club
S J X	Thornton Heath, Surrey, 4, Norfolk Rd.	S. J. Groves			300						
S M X	Tunbridge Wells, 57, Calverden Pk. Rd.	A. Stapley	294				160 up	4,500		Evenings	
S O X	Blackburn, Hollytree House, Cherrytree	R. Spencer			250						
S T C	Scarborough, Tramways Co., Scalby Rd.	W. E. Nicholl	Scarborough				300 up				
S U N	Larne, Ireland, Sun Laundry	C. Ross	23 Larne				300—7,000	500			
S X B	Highgate, London, N., 15, Avenue Rd.	N. H. Swinstead		50 Watts	200	5—10				9.30 p.m.	
S X F	Stroud Green, London, N., 50, Ferme Park Road	W. G. Stockall		20 Watts	300	5	5,000	1,000		7—11 p.m.	
S X N	Birmingham, 62, Wheelwright Road, Erdington	F. C. Spurr		30 Watts	200						
S X S	Kenilworth, Warwick, Park Hill	H. L. Stringer	9 Kenilworth	Accum. 40 Watts	150—200	5	200—1,000	1,000		10.15 a.m. and 10.15 p.m.	

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T											
T A X	Derby, St. Mary's Gate	S. G. Taylor			250	5	8,000	1,000			
T B X	Boreham Wood, Clovendon Road	T. B. Burrell			80—100				1-in. Coil		
T B X	Bristol, 20, Northumberland Road, Redland	G. W. Tonkin		Accumulator 20 Watts	200	5	150	600	Low note, speed 15 words p. m.	7—8 a.m. 9—10 p.m.	Bristol W.Assoc.
T F X	Bristol, 66, Stapleton Road	G. W. Tonkin	2479X4 Bristol	Under Construction			100	300		5.30 p.m. for few minutes	
T G X	Bexhill, Gilling	H. Tomlinson		60 Watts	480	2				6—7.30 p.m.	
T O X	S.W., Streatham, London, 79, Stanthorpe Road	D. W. Thompson		10 Watts	300						
T S K	Kensington, London, 74, Cathcart Studio, Redcliffe Road	T. S. K.		Accum.					1½-in. Coil		
T S X	Banbury, Middleton Cheney	H. G. Treadwell		6 in. Coil	500	50 or more				Day and night	
T T X	Tedding on, 22, Manor Road	G. Tough		40 Watts	210		4,000	1,000			
T X K	Kendal, Beech Bank	W. K. Alford		25 Watts	200	5					
T X X	Liverpool, 33, Prince Alfred Rd., Wavertree	J. A. Critchley		10 Watts	100			400			
T Y X	Derby, Wilkinson Memorial School				250	5	500	1,000			
T Y X	London, W., 8, Craven Hill	W. Tingey									
T Z X	Birmingham, Brentwood, Solihull	J. B. Tucker	51 Solih'll	Accum 50 Watts	200	15	200 to 8,000		2-in. Coil		B'ham W. Assc.
U											
U A X	Bowden, The Elms, Vale Road	Rev. A. L. Megson			200		250 up	250			
U B X	Bowden, Sundal, Portland Road	G. G. Boullen			200		250 up	250			
U P X	Wimbledon, London, Merton Hall Road	H. Wynn Moser		50	300			300		Uncertain	
U R X	Derby, Junction Street	G. E. Mart			200	3	4000	600			
U V X	Wimbledon, London, Glenholme Lake Road			Accum. 50 Watts	300	12	Up to 10,000	1000		8—11 p.m.	
U X D	Newport, 30, Milman Street			10 Watts	100				½-in. Coil		

Official Call Letters	ADDRESS	NAME	Telephone No.	Power	Transmitting Wave Length (Meters)	Sending Range in Miles	Receiving Wave Length (Meters)	Receiving Range Miles	Remarks Transmitting	Usual Times of Working	Club of which a Member if any
V											
V A X	Huddersfield, Elm Bank	Vivian B. Learoyd	808 H'ddersfield	¼ K W	600	40	100—7000		Rotary Gap	9 p.m. Sunday 5—9 p.m.	
V C X	Bushey Heath, 55, Merry Hill Mount	G. D. L. Harcourt		20 Watts	100						
V G X	Lewisham, London, S.E., 30, Courthill Road	A. Burrows		12 Watts	200	7	Variable	600		Various	
V J X	Carlton, Notts., Crail Villa, Gedling Road	R. Hodges		50 Watts	250	8	200—7000				
V L X	Birkenhead, 23, Cavendish Drive, Rock Ferry	F. Horace Hulme		Accum. Max. Output 30 Watts	200	20	200—7000	600	Heard interruptions from other Station while Transmitting	8—10.30 p.m. and odd times	
V S X	Seacombe, Cheshire, 19, Percy Road	N. B. D. Hyde		10 Watts	100		Variable			Fri. & Sat. Ev'n'gs 12 p.m.	
W											
W B X	Brentford, Park Lodge	H. S. Walker									
W C X W P X W Q X	Stoke-by-Nayland, Colchester	H. R. Wilkinson		K.W.	400—500						
W F X	Liverpool, 94, Belgrave Road, St. Michaels	W. H. Foster		10 Watts	100		100 up				
W F X	Weedon Bugbroke Schools	H. H. Wright		Accum.		10	up to 7,000			8—10 p.m.	
W G X	Brockley, S.E., 237, Lewisham High Road	W. W. Blakeman		10 Watts	200	6	100—5,000	600		8—10 p.m.	
W K X	Birmingham, Bowness, Grove Avenue, Moseley	M. W. Hobson		Accum. 20 Watts	100 Approx.	5	100 and above		1 in. Spark Coil		B'ham W. Assc.
W O X	Leeds, Garnett Villa, Otley	J. A. Walsham	97 Otley	250—600 Watts	600	40—50	Any	Port Said etc.		9 p.m.	
W U X	Warminster, 21, George St.	L. Claude Willcox		¼ K.W.	600				musical note		
W X D	Leytonstone, London, 87, Matcham Road	G. Whitton		25 Watts	200	7	up to 8,000	1,200		8.30 p.m.	
W V X	Birmingham, Oakland, Fox Hollies Rd., Acocks Green	W. D. Vick		Accum. 10 Watts	100	6	100 to 2,000		½ in. Coil and Helix.		B'ham W. Assc.
W X F	Clitheroe, Lancs., 80, Chalburn Road										
W X H	Epsom, Aroona, College Road	Capt. H. Lee Wright, R.E.	467 Epsom	120	350—400	15	100—4,000	800		8.30 p.m. and Sundays, also any time by appointment	
W X X	Purley, London, Godstone Road	Mr. Weatherstone			300						

Official Call Letters	ADDRESS	NAME	Telephone No.	Power	Transmitting Wave Length (Meters)	Sending Range in Miles	Receiving Wave Length (Meters)	Receiving Range Miles	Remarks Transmitting	Usual Times of Working	Club of which a Member if any
X											
X B S	Aberdeen, 38, St. Clair Street	Claude R. Jarvie		Mains 150 Watts	50—250	50	up to 4,000	1,200	Rotary Spark Gap, High pitch note	5 p.m. to midnight	
X B X	Hampstead, London, 183, Goldhurst Terr.	W. R. Skinner		32 Watts	600						
X C X	Highgate Rd., London, 17, Lewisham Rd.	H. Shenwood		32 Watts	600						
X J X	Sevenoaks, Linden Cottage	N. R. Spencer		100 Watts							
X M X	Bushey Park, Herts., 60, Falconer Rd.	J. F. Stray		20 Watts	100						
X P X	West Bromwich, Sunnyside	J. J. Shaw		Accum. 8 Watts	200	3	200 to 4,000		½-in. Coil		B'ham W. Assc.
X Q X	Leytonstone, London, 99, Montague Rd.	W. Shaddick			300					Evenings	
X S X	Merton Park, Surrey, 9, Quinton Avenue	H. E. Scoones		100 Watts	200	15—20	200 up	1,000	400	5 p.m.—12	
X U X	Didsbury, Hilbrie, Veronica Road	S. Stroud		50 Watts	200	10					
X X A	Hampstead, London, 222, Finchley Rd.	R. Callingham		50 Watts	200	5—10					
X X D	Sydenham, London, 82, Wiverton Road	H. Woolidge		50 Watts			200 up				
X X E	Northfleet, Kent, 2, Springhead Road	E. Wheatcroft		50 Watts	200	20	up to 2,000	500	4-in. Coil	6.30—9 p.m.	
X X F	Henley-on-Thames, Greyholme	O. W. Walker		Accum.	300	12	300—3,000	1,000	4-in. Coil		
X Y X	Sedbergh, Yorks, Bainbridge Road	J. W. Shepherd		50 Watts Accum.	120	30	Variable	500	5-in Coil	10 p.m.—12.30 a.m	
Y											
Y A X	Birr, King's Co., Ireland, Cumberland St.	C. W. Browne		¼ K.W.	300	40				9—11 p.m.	
Y E X	Blackpool, Claremont Park, Upper Hill	E. F. Biddiscombe		50 Watts	600						
Y F X	Poulton le Fylde, Oaklea	G. H. Buckley	29	50 Watts	600	8	200—7,000	800		Holidays and Week Ends	
Y H X	Forest Gate, London, E., 104, Clova Rd.	E. W. Braendle		12 Watts	250	1	600	100	High note	6.10 p.m.	
Y M X	Peckham Rye, London, 16, Carden Road	W. L. Barrett		Accum 40 Watts	30—600	10	varies	1,000		7.10 p.m.	
Y P X	Keithley, Yorks., Thwaites Brow	B. Blenkiron		100 Watts	600	30	various	1,000	Rotary Gap	8.30—11 p.m.	
Y U X	Streatham, London, S.W., 13, Babington Road	R. H. Barthel		20 Watts	300						

Official Call Letters	ADDRESS	NAME	Telephone No.	Power	Transmitting Wave Length (Meters)	Sending Range in Miles	Receiving Wave Length (Meters)	Receiving Range Miles	Remarks Transmitting	Usual Times of Working	Club of which a Member if any
Z											
Z A X	Wednesfield, Helmsley Lodge	J. V. Waine	86 Willenhole	¼ to 1 K.W.							
Z B X	Wednesfield, Helmsley Lodge	J. V. Waine (Portable)			100—300		100—6,000	1,000			
Z F X	Newick, Sussex, Patterdale	R. M. West		Accum. 10 Watts	600						
Z K X	Westcliffe, Godolphin, Park Road	T. B. Wiltshire			217						
Z N X	Nunhead, London, S, Homeleigh Road, Waverley Park	D. Sinclair		20 Watts Accum.	180		180—5,000		1-in. Coil	Evenings	
Z T X	Finsbury Park, London, N., 329, Green Lanes	H. R. Wooden		50 Watts Accum.	200		100—7,000	200		6—8 p.m.	
Z U X	Birmingham, Olton, Ulverley Road	T. D. Wright		Accum. 8 Watts	200	4	200 and above		½-in. Coil and Helix.		B'ham W. Assc.

STATIONS RECEIVING ONLY OR WITH LICENCE PENDING.

ADDRESS	NAME	Telephone No.	Official Call Letters.	Source of Power and Maximum Output.	Sending Wave Length Meters	Sending Range Miles	Receiving Wave Length Meters	Receiving Range Miles	Remarks Transmitting	Remarks Receiving	Usual Times Working	Club
A												
Aldershot, 44, St. Michaels Road	P. G. Shrimpton											
Ayrshire, Mainshamilton, Beith	M. D. Fleming											
B												
Basketts, Birchington, Kent	R. H. Reece		Licence applied for	Accum. 20 Watts	200	1 to 2	200		Portable	Station	During Jan., Aug. & Dec.	
Bath, Barrow Castle, Inglescombe	S. J. Ware	135 A Bath	Pending	20 Watts	600	upto 18		600				
Beaminster, Mapperton, Dorset	A. W. Tate						300—5,000	500			9.30 p.m.—1 a.m.	
Beccles, Ashmans Road, Suffolk	J. A. Wilkinson						200	300			Daily till 10 p.m.	
Bedford, Ferndale, Clapham Road	L. G. Noble						100	300			7—10 p.m.	
Bedford, The Hoo, Clapham Road	J. M. Merryweather	237 Bedf'rd					100	200			6—10.30 p.m.	
Birmingham, Bungalow, Somerville Road, Sutton Coldfield	W. G. Gold			20 Watts	100	10—15	600	500—600	1 in. Coil		9 to 10 p.m.	B'ham. Wireless Asso.
Birmingham, 255, Galton Road	A. T. Headley		Licence applied for				200 and above			Induc. coupl'd Crystal detec 2,000 w. Phones		B'ham Wireless Asso.
Birmingham, Handsworth 25, Radnor Road	A. E. Spencer		Licence applied for				200 and above		½-in.	Single slide inductance Electro detec. 3,000 w. Phones		B'ham Wireless Asso.
Birmingham, Aston Manor, 19, Whitehead Road	G. H. Lloyd		Recg. only				200 and above			Dble. slide inductance Electro detec.		B'ham Wireless Asso.
Birmingham, 162, Hagley Road	A. C. Chatwin		Recg. only				200 and above			Induc. coupl'd inductance Zincite + Cop. pyr. detec		B'ham Wireless Asso.
Birmingham, Edgbaston, 22, Yew Tree Road	G. H. T. Bourne and A. H. Handford		Recg. only				200 to 800			Single slide inductance various cryst'l detec. 3,000 w. phone		B'ham Wireless Asso.
Bishops Stortford, The College	E. E. Green		Pending	Accum. 4 volts	100	1—3	100	100—200	¼ in. Coil		2 p.m. to 6 p.m.	
Blackpool, 92, Warley Road	F. Fish		Pending									
Blackwood, Mon. 77, William Street,	W. J. Adams						150	300—400			After 7 p.m.	

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B—*Continued.*												
Blackpool, 9, Lodore Road, South Shore	G. Tapley						200 up	100			Noon, 5 p.m. & 8—11 p.m.	
Boothby Pagnall, Grantham, The Rectory	Rev. E. W. Carpenter		Licence applied for				300 to 3,000 approx.			2 slide Inductance, Crystal Detector Telephones &c.		
Borriskane Post Office	L. Hacker						600 up	100			10 a.m.—1.30 p.m. & 8 p.m.	
Boscombe, Hants, Rawal Pindi, Parkwood Road	Tyne, W. D. M.	159 Southbourne	Licence applied for	320 Watts	23	10	Any	500			Evenings 7-10	
Bradford, 78, Emm Lane	C. Wood	1364	Pending	Not yet complete								
Bradford, Manningham, 56, Oak Lane												
Bradford, Nesley Place, Low Moor	E. Priestley			10 Watts	100	5	100—600	500			7—9 p.m.	
Bradford, Railway Terrace, Low Moor	G. Newby			10 Watts	100	5	100—600	500			7—9 p.m.	
Brighton, 79, Waldegrave Road	J. C. Birch		B A T pro. tem.	Accum. 20 Watts	100	2	4,000	400				
Brighton, 318, Ditchling Road	H. L. Jarrett		O W L pro. tem.	Accum. 20 Watts	100	2	4,000	400				
Bristol, 155, Coronation Road	L. F. White	3039		10 Watts	112-200	2	200—3,000	200—400	½ in. Coil		6—11 p.m.	
Bungay, W. Norfolk, Woodston Rectory	R. H. Lee				300 natural	120						
Bury, Lancs., 1, Warth Road	Fredk. Crompton		Licence applied for	Storage Batteries 50 Watts	200	15	200—4,000			Licence granted	Evening	
C												
Cambridge, 14, Lyndewode Road	C. Titterington	1053 Cambridge		Accum. 8 v. 5 a.	100	15	200 up	1500	Musical Note		8—8.45 a.m. 8—11.30 p.m.	
Cambridge, 14, Lyndewode Road	C. Titterington			Accum. 4 v. 40 a.	200	15	up to 2000	1,000	Field	Set		
Cambridge, 75, Regent Street	A. R. Dawson	164 Cambridge		Mains	100	20	4,500	2,000				
Cambridge, 75, Regent Street	A. R. Dawson			Mains								
Cambridge, 75, Regent Street	A. R. Dawson			8 V. 40 A. Accum.	100	15	2,000	1,000		Portable Set		

ADDRESS	NAME	Telephone No.	Official Call Letters.	Source of Power and Maximum Output.	Sending Wave Length Meters	Sending Range Miles	Receiving Wave Length Meters	Receiving Range Miles	Remarks Transmitting	Remarks Receiving	Usual Times Working	Club
C—*Continued*												
Cark in Cartmel, Mereside, N. Lancashire	D. & A. Johnson		Pending	200 Watts	300		200—7000	700	6-in. Coil L C O.	L. C. Turer Electrolyptic 2,000 w Phones	7.11 p.m.	
Carnforth, Moss House	A. R. Pennington										Week-ends	
Chester, 32, Liverpool Road	F. T. Vernon	81a Chester	Receiving Licence only				up to 600	500			most evenings	
Chesterfield, 12, Cross Street	C. M. Owen			Accum.	100	10	100—40000	500			6.30	
Chesterfield, Princes Street, B'ham	C. S. Garnet											
Clacton, Gt. Brook Street	T. W. Revell						100-6000	800			6.10 p.m.	
Colwyn Bay, Penrhyn Road	J. J. Mills	16Y 5	Pending				600	100			7—8 & 10.10 p.m.	
Colwyn Bay, Farndon, Woodland Park	L. G. Bradley						100—300 200	400		Message acknowledged by card.	10 a.m. till 10 p.m.	
Coventry, 25, Queens Road	N. Lea		Pending	A C. Mains Transformer 200 Watts	200	50	0-7000					
Coventry, 100, Broomfield Road	W. S. Barter			10 Watts	80-100	5		1,000		Alternate Mornings and Even'gs		C.W.C.
Crayford, Glenview, Station Road Kent	A. J. Randall			12 Watts	250-290	5-10	250	600-1,000			7.30 to 9 p.m.	
Coventry, Bailey Lane	W. Sims	757		10 Watts	100	5		1,000			Sat. 10-12 p.m.	Hon. Sc. C.W.C.
Coventry, Highfield Broadway				10 Watts	100	5		1,000				
Coventry, 4, Sir Thomas White Road	R. McAndrew			Accum. 8 V. 40 A.	60	15-20	3000	500			Weekdays 7-10 ; Sats. 3—7	
D												
Dartford, Glengariff, 3, Priory Hill, Kent	C. C. Redshaw		Pending				300—8,000	800—1,000			6—12 p.m. All Sundays	
Deal, 34, The Strand, Walmer	Basil Parsons						200					
Derby, Breadsall Priory	K. S. Haslam											
Derby, Dalbury Lees	W. Harris											
Derby, 42, Duffield Road	Dr. Hunt											
Derby, 13, Chesnut Avenue	E. G. Beard											

ADDRESS	NAME	Telephone No.	Official Call Letters.	Source of Power and Maximum Output.	Sending Wave Length Meters	Sending Range Miles	Receiving Wave Length Meters	Receiving Range Miles	Remarks Transmitting	Remarks Receiving	Usual Times Working	Club
D—*Continued.*												
Dorchester, 12, Gordon Terrace	H. F. Smithers						100 up	500			6—11 p.m.	
Doncaster, 67, The Park, Woodlands	R. C. Wood			150 Watts	100	8—10	2,000	500	6 in Coil		7—10 p.m.	
Doncaster, 71, Morley Road	J. A. Monks			4 Volt Accum.	Up to 100	3 - 5	600	800			9—9.30	
Douglas, Lanarkshire, Newmain's	Leonard Haines	3		4 Volt Accum. & ½ in. Spark Coil	250	1	300	About 100			Evenings	
Dudley, The Wren's Nest	R. S. Mantler						260 up				10 p.m. to midnight	
Durham, 17, Tyne Road, Stanley S.O.	R. Bardes		Pending				Up to 600	500			10—12 p.m.	
E												
Eastbourne, Stratten, De Roos Road	Owen H. Kelly	606		Accum. 30 Watts	60	10		10,000			10 a.m. 6—9.30p.m.	
Edgbaston, Birmingham, 162, Hagley Road	A. C. Chatwin						250 to 7,000	800		Inductively coupled crystal detector, phones. etc.	8 p.m. to 10.30 p.m.	B'ham Wireless Assoc'n
Edinburgh, 8, North Bridge	North British Wireless Schools				450							
Elland, 9, Myrtle Road	Ford, George				Appx. 210						Mostly at night	
F												
Finchley, N., Newlands, Holden Road	John E. T. Sutcliffe	Finchley 1301	Not yet received	4 Dry cells 6 Volts	300	5	350	150			10 a.m. 3—6 p.m.	
Fleetwood, 5, Windsor Place	Capt. J. P. Hall		Pending	4-in. Coil	196		196	1,000			6—11 p.m.	

ADDRESS	NAME	Telephone No.	Official Call Letters.	Source of Power and Maximum Output.	Sending Wave Length Meters	Sending Range Miles	Receiving Wave Length Meters	Receiving Range Miles	Remarks Transmitting	Remarks Receiving	Usual Times Working	Club
G												
Gateshead-on-Tyne c/o Durham, Gladstone House, Albert Drive, Low Fell	N. Hall	519 Gateshead		10 Watts	130	5—10	240	1,000	1-in. Coil		9.30—10 p.m.	
Glasgow, 141, Bath Street, Strathmore, Airlie, Dr.	North British Wireless Schools		Prov'nal NBX	1 Kw. 250 Volts D.C. mains	450							
Grantham, Mowbray House	J. H. Armstrong		GMA	Accum. 8 V. 40 A.	200	18	3,000	300			8—10 p.m.	
H												
Hereford, Even Pit, Fambroke	C. T. Hughes	177 Hereford	Pending	20 Volts 4 in. spark		30		1,000		Mercury Break	10 p.m. to 12.30 p.m.	
Holyhead, Glendale, Gilbert Terrace	J. O. Williams		Pending				50	100 to 200			Sat. only 4 p.m. to 12 p.m.	
Horncastle, Adin Villas	G. Jobson		Pending				200—7,000	1,000			Evenings	
Huddersfield, 419, Bradford Road	J. Beever	427 Huddersfield		20 Watts	150 to 200			200			7—11 p.m. Sunday, 9—4.30 p.m.	
Hull, 76, Peel Street, Spring Bank	J. B. Moore		Pending	8 V, 40 A Accum.	200	10	500	300			7—12 p.m.	

ADDRESS	NAME	Telephone No.	Official Call Letters.	Source of Power and Maximum Output.	Sending Wave Length Meters	Sending Range Miles	Receiving Wave Length Meters	Receiving Range Miles	Remarks Transmitting	Remarks Receiving	Usual Times Working	Club
I												
IRELAND												
Belfast, The Orchard, Knock Park, Knock	W. Duff		Pending	25 to 30 Watts	300	20	300	500				
Belfast, 33, Rugby Road	J. B. Heaney		Pending	10 Watts	156	2	156	140			7.30—10.30 p.m.	
Belfast, 45, Haypark Avenue, Ormeau Road	J. Musker						130 up				7—11 p.m.	
Co. Down, Oranmore, Craigavad	F. J. McCullough	3 Craigavad	Pending	Accum. 25 Watts	300	20	300	500				
Co. Down, Andvara Cultra	Geo. C. Hurn	Holywood 50	Pending	45 to 50 Watts	280	25	300	300 to 500				
Co. Tipperary, Roscrea Golden Grove Road	M. F. Gantly		Pending				150 up	700				
Castlebar, The Barracks, Co. Mayo	Fred Dixon, T C.D.		Licence applied for	10 Watts Accum.	100	20	100—6000	600	Apparatus not quite complete	Detector Silicon v. Gold	Open to 10.30 p.m.	Dublin Wireless Hon Sec
Drogheda, Clogher Head	C. P. Marky						250 up	700				
Dublin, 35, Fitzwilliam Place	H. F. Molony	Dublin 2592	License applied for				70	40			8—8.30 a.m. 7.30 to 10 p.m. 1—2 on Sats. only	
Dublin, 27, Harcourt Street	Fred Dixon, T.C.D.	210 Dublin	License applied for	10 Watts Accum.	100 to 200	20	100—6,000	600		Detector Silicon v. Gold	8 p.m. to 10.30 p.m.	Dublin Wireless Club, Hn. Sec.
Dublin, 3, Abercorn Terrace, Inchicore	D. McNamara						600				7—12	
Kings Co. Shinione, Ireland	W. L. Lalor		Pending				600	700			8.30—12.30	
Limerick, 11, Cecil Street	G. F. Maunders			10 Watts	100			800				
K												
Kenilworth, 51, Stoneleigh Road	E. E. Walton							700		Receiving only	8—noon 8—10.30 p.m.	
Kenilworth, Ryon Villa	C. O. Garlick			10 Watts	100	5					Irregular	
Knebworth, Woolmer Green	W. Goff							200—400			8—10 p.m.	

ADDRESS	NAME	Telephone No.	Official Call Letters.	Source of Power and Maximum Output.	Sending Wave Length Meters	Sending Range Miles	Receiving Wave Length Meters	Receiving Range Miles	Remarks Transmitting	Remarks Receiving	Usual Times Working	Club
Lancaster, Hornby Castle, Hindburn Cottage	H. C. Foster			Accum. 4 in. coil	400	15	350	1,000			10 a.m.—midnight	
Lancaster, Mill House, Wray	W. Slinger			Accum. 1 in. coil	200	7	200	600			7.30—11.30 p.m.	
Leicester, 29, Lincoln Street	W. S. Hubbard	575					3,000	500				Derby
Liscard, Cheshire, The Willows, 5, Elgin Drive	R. Edwards						230	400			6.30—10.30 p.m.	Liscard H' Sch. for Boys W.T.C.
Leicester, 57, Healey Street, South Wigston	C. T. Atkinson		Pending				300—2,000	150—200			Sat. aft. and evenings	
Liverpool, 24, Hapsford Road, Litherland	S. B. Holmes						200—7,000			Dr. cp'ld. cir. cry'l d'tc'tor.		
Liverpool, 6, Cambridge Road, Gt. Crosby	. Frith											
Liverpool, 11, Pelham Grove, Sefton Park	G. L. Ross		Pending				up to 3,500	700			9 p.m.—midnight	
Liverpool, 27, Merton Road, Bootle	W. S. Clemney	Bootle 354					up to 6,000	1,000			6 p.m.—2.30 a.m.	
Liverpool, Liverpool College, 46, Princes Road	P. W. Sloley	Royal 1604		Accum. 10 Watts	100	10	6,000	1,000	Portable	Licence	9 a.m.-5 p.m. 8—12 p.m.	
Liverpool, Woodlands, Aigburgh	Z. Tomlinson		Pending								7 & 9 p.m.	
Liverpool, Liverpool Road, Gt. Crosby	W. A. Lund		Pending				250—4,000	500				L'pool Dis. W. Assoc.
Lowestoft, 29, Arnold Street	C. Chipperfield		Pending				1,600	250			5.30 p.m. on	
Lyme Regis, Belmont, Dorset	H. C. Cooper		Pending	50 Watts mains	200		200—3,000	300			9.15 a.m. 8 p.m.	

ADDRESS	NAME	Telephone No.	Official Call Letters.	Source of Power and Maximum Output.	Sending Wave Length Meters	Sending Range Miles	Receiving Wave Length Meters	Receiving Range Miles	Remarks Transmitting	Remarks Receiving	Usual Times Working	Club
L—*continued*												
LONDON												
Bedford Park, W., 26, Esmond Rd.			Pending	100 Watts	250	20—30	120—4,000	600			8—11 p.m.	
Camden Town, N.W., 59, Camden Square	C. Ireland		Pending				100—5,000	500			Evenings 8.30—12	
Canonbury, 28, Alma Road, St. Paul's Road	E. A. George		Pending				100	200			7—10 p.m. 9—5 p m Sun.	
Catford, 134, Wellmeadow Road, S.E	D. R. Maxted		Pending	Accum. 4 Volts	120	5	100				8 p.m.	
Catford, 313, Brownhill Road, S.E.	W. Norris		Pending	Accum. 4 Volts	120	5	100				8 p.m.	
Chingford, 159, Wincheste Road, Highams Park	Geo. W. Bush		Pending	Accum. 10 Watts	300		5,000	600—800				
Clapham Park, Oaklands	J. Tilden Smith	Battersea 1225	Pending	Accum. 4 V. 40 A	150	4	300—4,000	1,000			Sun. 11 noon 6 to 7.30 p.m. Weekdays 6 to 7 p.m.	
Ealing, 41, Sandringham Gardens	Capt. W. Sinclair, R.M.L.I.						Any length	400		Crystal Detector		
Ealing, W., 5, Warwick Dene	F. Figueredo	Ealing 1364	Pending									
Enfield, Windmill Hill,	W. F. Trusler	Enfield 357	Pending				3,000	1,500			at. evenings	
East Dulwich, 25, Overhill Road, Dartmouth Road	S. H. Nash		Pending								8—11.30 p.m.	
Forest Gate, 86, Chester Road	S. D. Mason		not registered				200	200—300			Every evening	
Forest Gate, 38, Khedive Road	W. A. Brady		O X O	4V. Accum. & Watts	approx 50 nat'l.				Loose coup'd inductance. Crystal De'tr.	Musical note		
Forest Hill, S.E., Chislon House, Leather Hill	W. & K. Holubowicz		Pending	40 Watts	200	8	200	600			Sat. Evenings & Sundays	
Forest Hill, The Baths	G. Dakin		Pending	20 Watts	150	8	150	500	Motor Coil		8—10.30 p.m.	
Fulham, 41, Parsons Green Rd., S.W.	F. E. Goss		P G L		200						and Sundays	
Gospel Oak, N.W. 138, Carlton Rd.	A Stanbridge		Pending	20 Watts	200	7	300—700	600-1000			Evenings	
Hackney, 55, Witham Road	P. G. Beckerson						100—2,500	500	Portable set		Saturday	
Hendon, 9, Chasen Villas, Collindale Avenue	H. V. Pennell		Pending	15 Watts	160	4—5	160—3,000	400	1 in. Coil		9 to 12 p.m.	
Highgate Road, 19, Croftdown Rd.	L. F. Isaac		Pending				40—100	50			Saturdays	
Highgate, N.W., Gordon House Highgate Road	G. B. Alexander	North 1095	Pending		150	1	62—150	50			Sats. & Evenings	
Highgate, N.W., 1, Talbot Road	A. L. Harvey		Pending				120	500			8—8.30 p.m.	

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L—*continued*												
LONDON												
Islington, 43, Claremont Square	F. C. Knight	1963 C'tral		230 Watts							9.30 p.m.	
Kensington, 11, Hazlitt Road	H. Laurence Hunt		Pending				140—2,500	500			6—10 p.m.	
S. Kensington, 18, Clareville Grove	L. Lambert	81 Western					150—5,000	1,000				
S. Kensington, 74, Carthcart Studios, Redcliffe Road	W. H. Higginbottom		T S K	Accum.					1½ in. Coil			
S. Kensington, 9, Onslow Studios, King's Road, Chelsea	A. Mountford		K S T	Accum.					2 in. Coil			
Kentish Town, 3, Wadington Rd.	J. Wisby			Ind. Coil	150						After 8 p.m.	
Kilburn, 9, Lynton Road	H. Wilkinson		Pending	Accum. 8 to 12 Watts	150	2	100—4,000	300			6 to 10 p.m.	
London, W., 62, Addison Gardens	R. H. Reece		Licence applied for	Accum. & Dynamos 30 Watts	200	1 to 2	200 and upwards				During Jan. Aug. & Dec.	
Muswell Hill, 70, Windermere Rd.	R. Davison		Pending			2—3	180				8.30—11.30 p.m.	
New Cross, S.E., 118, Pepys Road	Frank Foulger		Pending	Dry Cells 12 V. 6 A.			up to 5,000	1,500			8—8.30 p.m.	
South Croydon, Violet Bank, Spencer Road	W. H. Robinson		Pending				200					
Stratford, 25, Ham Park Road	J. Stanley		J. T. S.		50 to 100		100 to 600					
St. John's, S.E., Ravensbourne, Brookmill Road	F. Melhuish		Pending					300				
Tollington Park, 3b, Tollington Pl.	D. Benda		Pending	1½-in. Coil	300	7	600	280			6—12.30 p.m.	
Tufnell Park, 22, Carleton Road			Pending	4 Volts	100	1—5	100	100—200	¼-in. Coil		2—6 p.m.	
Wallington, Little Gables, Stanley Gardens	A. M. Hallwell						130	450				
Winchmore Hill, Nithsdale, Eversley Park Road, N.	E. M. Savage		Pending	20 Watts	200		100—2,000 Std. Bi 200	500			8—10 p.m.	
Winchmore Hill, Ridgemount, Houndsden Road	Frank Hilton											

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M												
Malton, 4, Yorkersgate, Yorks.	E. R. Spiegelhaller	29	Pending								Mornings & Evenings	
Manchester, Sunnyside, Albert Road, Withington	R. J. Richardson		Licence applied for	½ in. spark coil								
Manchester, 1, Ford Street, Dukinfield		981 Ashton-under-Lyne	D E V				2,000	500				
Manchester, 95, Alexandra Road Moss Side	Geoffrey Robinson		License applied for	4 volt 40 amp. Accum.	210	5	210	600			7 to 10 p.m. Sats., 2 p.m. to 5 p.m.	
Manchester, 149, Alexandra Road Moss Side	Arthur V. Townley		License applied for	4 volt 40 amp. Accum.	300	5	300	600			7 to 10 p.m. Sats., 2 p.m. to 5 p.m.	
Millom, Steel Green, Cumberland	W. Hutchinson						Any	500				
N												
New Barnet, Woodville Road	J. Bradbury						200	250			8.10 p.m.	
Newbury, Donnington	F. G. Leader	93 Y					250 up	400			9—11.30p.m.	
Newcastle-on-Tyne, Benwell Grove, 52, Hampstead Road	J. J. Black		Pending				3,000	1,200				
Newport, Stelvio	C. H. Bailey	Newport35	Pending	640 Watts	300	40	1,200	40 to 900			7.30—10.30 p.m.	
Newport, 27, Park Square	P. W. Miles		Pending								8—11.	
Northampton, Lamport Rectory	Rev. W. M. W. Pitchford		Licence applied for									
North Shields, 34, Queen Alexandra Street	R. N. Pringle		Pending	25 Watts	150		up to 600	100	1in. Coil		6.30—10 p.m.	
North Shields, 54, Military Road	J. R. Gray		Pending	25 Watts	150		up to 600	100	1in. Coil		7—10 p.m.	
Northampton, 38, Watkin Terrace	T. W. Rolfe						180	750				
Northwich, Weaverham Vicarage Cheshire	F. S. Long						100 up	400			8—10 p.m.	
Nottingham, 111, Arkwright Street, also at 126, Edward Road, W. Bridgford	J. W. Martindale	3307	Licence applied for								10 a.m. to 10 p.m.	
Nottingham, 62, Park Road	J. G. Wood	Notingh'm 1634	None given				135	400			6—10 p.m.	

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O												
Oldham, 77, Heron Street	Charles Lamb		Pending		300			1000			8—12 p.m.	
P												
Pelton, Somerset	A. G. Williams						200 up	500			All times	Bristol Wireless
Portdown, Post Office	W. A. Hayes		Pending				200—2,000	500				
Poulton, Seacombe, 19, Limekiln Lane	Willliam S. Payne		License appl'd for				120	600			6—12.30 p.m.	Liverpool A.W.A.
R												
Ravenscar, Ratcliffe Esplanade, R.S.O.	J. R. Lamming							600			All hours	
Redcar, Olliver Street	E. H. Johnson								Receiving	only		
Rochdale, 58, Regent Street	J. Pilling		Pending				4,000	400			7—11 p.m.	

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S												
Renfrewshire, Birkershaw, Langbank	R. A. Law		R A L						1-in. Coil	Gamage loose couple		
Bargimmie, Ayrshire, West Kilbride	E. McGregor Eadie			8V.30 Watts	200	5	1,800	1,400			All times	
Dundee, 2, Airlie Place	Mc Ewan	1463	Pending								9—10 p.m.	
Renfrewshire, 14, Barrhead Road, Newton Mearns	Scott Hay		Pending	10 Watts			178	400			8—11 p.m. Sat7.30—10.30 and 4—11 p.m.	
Silverdale, Lancs.	R. Taylor										After 8 p.m.	
Dorset, Sherborne, Lyon House	H. Smith		Pending				200-3000	300				
Shorncliffe, Royal Artillery Mess	"Ubique"	12 San'gate	R T A not offic.				250-2000	800		Experimental	9.15a.m.-8p.m. 10 p.m.—12	
Slough, Kellethorpe	John E. Evans	60 Slough	Pending	Accum.	Pending			Any				
Swansea, 4, Calvert Street	C. B. Williams			Accum	50-100	10	400	20			Thur. & Sat. nights	
Sittingbourne, Kent, 44, High Street	R. R. Robinson						Any	about 600		Any ord. wave length	10.40 a.m. & after 8 p.m.	
Suffolk, Shotley via Ipswich, No. 6 New Estate	Harold A. Hill		Licence app'd. for				200—1,000	400		Syntonic	6—10 .30 p.m.	
Sydenham, S.E., Homeleigh, Longton Avenue	W. D. M. Tyne		Licence app'd for	320 Watts	23	10	Any	700			Evenings 7—10 p.m.	
Stockport, 118, Brinksway Road	A. H. Butterworth			4 V. 30 A. Accum.	300	20	300				6—8 a.m. 10—12 p.m.	
Sunderland, 46, Otto Terrace	H. Thompson	388A					65	200			6—11.30 p.m.	
T												
Tonbridge Wells, 155, Stephens Road	R. Lucy	125 Twells					150 up	2,300			Evenings	
Torquay, Pentreve	J. T. Quick	Torquay 464		10 Watts by Licence	100 ft. by Licence						Any time	
Totton, Southampton, "Fernside," Junction Road	J. H. Holloway		Licence applied for				200—300 600	400		Syntonic	After 12 p.m. Dec. 1913 only	
Twyford, near Winchester	G. A. Roberts	12 Twyford, Hants	None given								Evenings	

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Bargimmie, Ayrshire, West Kilbride	E. McGregor Eadie			8V.30 Watts	200	5	1,800	1,400			All times	
Dundee, 2, Airlie Place	Mc Ewan	1463	Pending								9—10 p.m.	
Renfrewshire, 14, Barrhead Boad, Newton Mearns	Scott Hay		Pending	10 Watts			178	400			8—11 p.m. Sat7.30—10.30 and 4—11 p.m.	
Silverdale, Lancs.	R. Taylor										After 8 p.m.	
Dorset, Sherborne, Lyon House	H. Smith		Pending				200-3000	300				
Shorncliffe, Royal Artillery Mess	" Ubique "	12 San'gate	R F A not offic.				250-2000	800		Experimental	9.15a.m.-8p.m. 10 p.m.—12	
Slough, Kellethorpe	John E. Evans	60 Slough	Pending	Accum.	Pending			Any				
Swansea, 4, Calvert Street	C. B. Williams			Accum	50-100	10	400	20			Thur. & Sat. nights	
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W												
Wallsend-on-Tyne, 26, Laburnum Avenue	E. Harrison		Pending	25 Watts	150-200		Up to 600	150	1½-in. Coil		7—10 p.m.	
Wakefield, 1, Savile Terrace, Stanley Road	W. Wrigley		K F W pro tem	¼ Kw.	600	40	100 – 7,000		Rotary Discharger		9 p.m. Sundays 5 & 9 p.m.	
Warworth, Hill Rise, Castle Hill, Northumberland	E. & L. Harrison		Pending	75 Watts	200		200 – 2,000				Sats., Suns. and Holidays	
Westgate-on-Sea, S. James' Vicarage	D. M. Cassidy		Pending	4V 20 A 15—20Wts.	110-300	5—8	276	500			Irregular	
Withington, Sunnyside, Albert Road	R. J Richardson		Pending	15	200	5	Various	800			Evenings	Cheshire Radiographic S. Scty.
Wigan, 49, Ormskirk Road, Newtown	R.C. Clayton						160	300			Any time	
Wallasey, Cheshire, 21, Kingsway	Chas. H. Bell						44	200		1,500 *w*, Sgle Rec. Sil. Dtc. S.S. TuningCl.	Evenings 8.30 p.m. to 10.30 p.m.	
Y												
Yorks, Bleak House, Hornby, Huddersfield	W. Marsden	331 Huddersfield	Pending	2 Accum. 6 Volts	300						Evenings 7—12	

Derby Wireless Club.
Not to be taken away.