

THE
NATIONAL TELEPHONE
JOURNAL.

VOL. VI.

APRIL 1911 — JANUARY 1912.

LONDON:
TELEPHONE HOUSE, VICTORIA EMBANKMENT, E.C.

INDEX TO VOL. VI.

	PAGE
Editorials.	
Aesthetic Question Again, The	35
Answering the Telephone	35
Automatic Again, The	193
Automatic Experiment of the Post Office, The	101
Coming Changes	192
Coming Transfer, The	166
A Farewell	231
Farmer's Telephones	56
Future of London, The	144
Future Rates	100
High-grade Men	100
Holidays	123
Need of English, The	57
Nerves and Rates	144
1911	230
On Prophecy	122
Operators' Working Conditions, The	34
Overdue Classification Scheme, The	193
Postmaster-General and the Municipal Deputation, The	12
Postmaster-General and the Staff, The	78
Presentations	166
Provisional Classification, The	231
Staff and Establishment, The	123
Statistical Illusions	101
Taking Time by the Forelock	166
Telephone and the Strain of Modern Life, The	12
Telephone in Turkey, The	34
Trunk Line Standards	35
Trunk Line Statistics	144
Principal Articles.	
"Adaptability." By the Contract Manager, Brighton	171
American Telephone and Telegraph Company's Annual Report, The	26
Automatic Telephones. By W. Aitken	74
Aviation and Telephony, The Circuit of Europe. By P. C. Langridge	102
Barretter, Measurement of Impedance and Effective Resistance by Means of the. By B. S. Cohen	31
Bartholomew House Exchange. By P. J. Mantle	169
Bethell, Mr. U. N., on Organisation	223
Bristol Exchange, Daily Originating Traffic. By A. E. Coombes	197, 240
Bristol Operators' Telephone Society, Special Competitive Prize Night. By Florence Nicholls	19
Capital and Revenue. By J. W. Anderson	119, 139
Circuit of Europe, The, Aviation and Telephony. By P. C. Langridge	102
Coleman, Mr., Presentation to	202
Commercial Mind, The. By Eustace Hare	195, 237
Compilation of a District Telephone Directory. By G. D. Bateman	117
Copper Wire. A Brief Account of its Development and Manufacture. By F. D. Latimer	233
Correspondence Classes, The Company's (1910-11)	134
Daily Originating Traffic, Bristol Exchange: Its Value. Operating Duties and their Arrangement. By A. E. Coombes	197, 240

	PAGE
Principal Articles—continued.	
Departmental Co-operation (and the lack of it). By G. R. Scott	50
Education and Training of the Telephone Engineer, The. By G. F. Greenham	163, 199
Fossilior Wasp and Larch Poles, The. By P. G. Hay	237
From Thales to Newton	125
Glasgow Staff Dinner	14
Grievance, A. By Percy Chester	8
Half-Yearly Meeting of the National Telephone Company (47th)	2
Half-Yearly Meeting of the National Telephone Company (48th)	112
History of the National Telephone Company, The. By Albert Anns	156, 179, 208
Hobbies for Telephone Men. By F. H. Langdon Davies	30
Imaginary Conversation between Two Telephones, An. By Nellie B. Hunt	150
Impressions of the Inventory-Taking at Manchester, 1911. From the Typist's Point of View	127
Interesting Point in Contract Work, An. By J. R. Brown	114
Iron in its relation to Electrical Engineering. By Thos. Pettigrew	5
Institution of Post Office Electrical Engineers: Address by Major O'Meara	178
Japan, Telephony in. By W. Napier	225
Leeds Staff Dinner	39
Life of Wooden Telephone Poles. By Geheimer Ober Postrat Christiani	47
Loading Coils in Underground and Aerial Cables. By E. L. Preston	148
Mathematics as an Amusement. By E. T. Payne	84, 105, 146
Measured Rates, The. By Thomas Bell	10
Measurement of Impedance and Effective Resistance by means of the Barretter. By B. S. Cohen	31
Midland Province Staff Dinner and Presentation to Mr. Coleman	202
Models used in the Proceedings before the Railway and Canal Commission	58
National Telephone Company (The) v. The Postmaster-General	57, 79, 97
National Telephone Company (The) v. The Postmaster-General. June Supplement	vii
National Telephone Company in Country Districts, The. By W. H. Gunston	73
National Telephone Company, The History of. By Albert Anns	156, 179, 208
Need of English, The. By Frank Peet	49
Office Equipment and Organisation (Telephone <i>Obiter Dicta</i>)	124
Organisation, Mr. U. N. Bethell on	223
Postmaster-General's Notices of Objection, The	35
Private Branch Exchange Work. By Constance Dreaper	128
Provincial Telephone Traffic. By S. J. Pharo	36
Received Current, The. By Devaux-Charbonnel	46
Royal Agricultural Society's Exhibition, Norwich. By O. W. Stevens	93
Service Difficulties in a London Exchange. By G. Buckeridge	129
Solid Back Transmitter, The. By Emile Berliner	14
Some Recent Advances in Transmission Efficiency of Long Distance Currents. By B. Gherardi	78, 90

	PAGE
Principal Articles—continued.	
Staff Dinner, Seventeenth Annual. June Supplement	i-vii
Staff Pension Fund	156, 206, 229
Success. By A. K. Murray	32, 54
Telephone Future of London, The. By J. Stirling	141
Telephone Exchanges of London, The. By G. H. Bryant	57, 63, 94
Telephone Rates. By W. E. Gauntlett	138
Telephone Traffic at the Coronation. By H. G. Corner	168
Telephones at the Crystal Palace. By F. C. G. Baldwin	80
Telephones in the King's Bench	96
Telephones of the World at the beginning of 1911. By W. H. Gunston	167, 193, 227
Telephony in Japan. By W. Napier	225
Thousand Pounds (A) of Benevolence. By A. H. Hudson	103
Time and Money. By Eustace Hare	3, 24
Transmission Efficiency in Long Distance Currents. By B. Gherardi	78, 90
Transmission, Some Observations on Telephone. By J. L. McQuarrie	114, 136
Unusual Cable Breakdown, An. By J. B. Salmon	30
Unusual Fault in Underground Cable, An. By A. Bascombe	108
Vectors, Velocity and Acceleration. By E. T. Payne	146

Telephone Men.

Cohen, Bertram Sydney	133
Fulton, David Bowie	67
Greenham, Geo. Frederick	177
Hart, William Edward	207
Hooper, Gerald	111
Howe, William	89
Moorhouse, Christopher Fearnhead	45
Smith, Archer Wellen	23
Stockens, Ernest Emerson	155
Wolstenholme, Charles Skaife	1

Telephone Women.

Borer, Gladys	201
Buckwell, Ada Gertrude	72
Butler, Minnie Francis	72
Cockbill, Ruth	228
Cook, Clara Jane	99
Crowther, Helen Constance	228
Ellery, Amy	99
Ellis, Ada	29
Fyfe, Margaret S.	117
Godfrey, Thirza	202
Gregory, Constance M.	9
Heaps, Elsie	117
Hockey, Jennie	172
Hooper, Celia Kate	9
Osborne, Millicent	172
Owens, Mildred G.	99
Richards, Evelyn Annie	61
Smale, Rose Miller	99
Thompson, Elizabeth Ann	99
Turner, Annie	139

Telephone Women— <i>continued.</i>	PAGE
Van Riel, Edith Maud	61
Walker, Elsie May	29
West Florence.. .. .	139

Hic et Ubique.

Inaccurate statistics—"Too much Glasgow"—Comparisons with Sweden—Submarine cable to France—Telephoning from moving trains	13
Ringing up—Poles attacked by woodpeckers—Holyhead cable	36
An exciting experience—Paris-Vienna trunk—New Swiss tariffs—A Coronation note	78
Aberdeen-Paris trunk connection—Operators and millionaires—The "wizard of electricity"—A plucky linesman	102
A hiatus—Message rates for Belgium—Eastern hemisphere statistics—Improved communication with France	124
A phantom aeroplane—A distorted mouth-piece	145
The threatened discontinuance of the JOURNAL—Communication with Basle and Amsterdam—"How it strikes a contemporary"—Hustling pesterers—Japanese visitors—"In the interests of the Society of Post Office Engineers"	167
Pictures and parodies—The Institution of Electrical Engineers—Boy operators—Correspondence Classes—Government trunk practice	195

Miscellaneous Small Paragraphs.

Award of Persistence, The. By the Contract Manager, Brighton	135
Awards for Inventions and Suggestions	68
Biter Bitten, The	109
Bolton Operators and Poor Children	11
Bravery of Telephone Staff.. .. .	226
Brighton Staff Benevolent Society	38
Chess Club (National Telephone) London	148
Cologne, New Telephone Exchange	116
Constantinople Telephone Company, The	195
Curral (Mr.), Presentation to	110
Drummond (Mr. and Mrs. A. L. E.), Presentation to	152
Edinburgh Empire Theatre Disaster	57
Edinburgh Telephone Thrift Club	92
Expensive Bookmark, An	44
Examination Successes	110, 131, 184
Gentle Way, The	4
Good Operating	11
Grants to Local Telephone Societies, 1910-11	68
Holt, Mr. J. S., Retirement of	247
Hunting for Lodgings. By an Inventory Staff Correspondent	24
Impudence and Assumption	9
Inventory Notes	43, 128, 206
Liverpool District Manager and Electrician, Presentation to	44
London's Final Muster, Dec. 30, 1911	222
Magnall (Mr.), Presentation to	82
My Life: By a Telephone Agreement	44
National Telephone Staff Benevolent Society (London)	44, 64, 92, 116, 134
Newcastle-on-Tyne Operators' Thrift Club	8
" Circulating Library	44
Operating by the Sense of Touch. By H. Sadler	10

Miscellaneous Small Paragraphs— <i>continued.</i>	PAGE
Patents Applications (New) 82, 92, 132, 152, 174, 178, 226	
Post Office Institution of Electrical Engineers, Papers obtainable	11, 110, 250
Presentation to Mr. Anns	229
" .. Mr. Chambers	251
" .. Mr. Clay	246
" .. Mr. Cook	236
" .. Miss Duggan	224
" .. Mr. Gill	229
" .. Mr. Goddard	229
" .. Mr. Hart	207
" .. Mr. Phillips	251
" .. Mr. Shepherd	237
" .. Mr. Salmon	251
Quilter (Sir Cuthbert), Death of	195
Reception of Operators at the Liverpool Town Hall	32
Roberts (Mr. F. W.), Resignation of	82
South African Telephones	151
Telephone Appreciated, The	165
Telephone Masonic Lodge, The	63
Telephone Wires Laid by Ferrets	57
Vail (Mr.), on British Telephone Service	38
Valentine (Mr. W. A.), Presentation to	71

News of the Staff.

Pages .. 19, 40, 64, 87, 109, 132, 153, 174, 204, 248

Staff Gatherings and Sports.

Pages .. 22, 40, 66, 88, 110, 131, 154, 176, 206, 249, 251
--

Local Telephone Societies.

Pages .. 20, 41, 65, 88, 152, 176, 205, 251

London Notes.

Pages .. 17, 38, 63, 83, 108, 131, 157, 173, 203, 246

Glasgow Notes.

Pages .. 18, 38, 63, 83, 109, 130, 151, 174, 204, 247

Inventory of Plant (Staff Notes).

Pages .. 2, 43, 61, 68, 107, 129, 143, 168, 205

Verse.

How They Would Do It. By W. H. Gunston	173
Silent Change, The. By W. H. Gunston	229
"Swiftly the Time is Coming." By E. M. B.	102
Valley of Bhong, The. By J. H. Bigland	11

Review.

<i>The Propagation of Electric Currents in Telephonic and Telegraphic Conductors</i> (Prof. Fleming)	79
--	----

	PAGE
Correspondence.	
BENEVOLENT FUND, THE: "Scout"	129
DAILY ORIGINATING TRAFFIC—BRISTOL EXCHANGE: F. J. Frost	246
FARMERS' LINES: H. J. Allen	129
HOTEL WIRING: Fred Barr	62
ISLE OF MAN TELEPHONE SOCIETY: G. Gillmore	173
LAST STAFF DINNER, THE: J. H. Bigland	17
W. E. Gauntlett.. .. .	39
LIGHT SIDE OF THINGS, THE. EXPLANATION OF THE MANX ARMS: G. Gillmore	17
PROVINCIAL TELEPHONE TRAFFIC: A. G. Bristow	62
S. J. Pharo	83
ROYAL AGRICULTURAL SOCIETY'S EXHIBITION: C. Elliott	129
M. B. Oldbury	148
SALE OF TELEPHONE DIRECTORIES, BOLTON DISTRICT: A. N. Entwistle	17
TELEPHONES AT THE CRYSTAL PALACE: F. G. C. Baldwin	109
TELEPHONES OF THE WORLD AT THE BEGINNING OF 1911: Georg Bergh	246
TRIBULATIONS OF INVENTORY STAFF: H. V. Fanshawe	39
WORD WANTED, A: R. Fergusson	17

Subject Index.

AUTOMATIC SYSTEM: Automatic Telephones (Aitken), 74; <i>Editorials</i> : The Automatic Again, 193; --Experiment of the Post Office, 101.
ADMINISTRATIVE AND CLERICAL: Capital and Revenue, 119, 139; The Commercial Mind, 195, 237; Compilation of District Telephone Directory, 117; Departmental Co-operation, 50; Organisation, 223; Office Equipment and Organisation, 124; Success, 32, 54; Time and Money, 3, 24; <i>Editorials</i> , 35, 100; <i>see also</i> "Staff."
CONSTRUCTION: Loading Coils (Underground and Aerial Cables), 148; Telephones at Crystal Palace, 80; at Norwich Agricultural Exhibition, 93; <i>Correspondence</i> , 62, 109, 129, 148.
CONTRACT WORK: "Adaptability," 171; Interesting Point in, 114; Award of Persistence, 135.
EDUCATION—and Training of Telephone Engineer, 163, 199; Mathematics as an Amusement, 84, 105, 146; Thales to Newton, 125.
ENGINEERING AND ELECTRICAL: Copper Wire, 233; Fossorial Wasp, 237; Iron, 5; Life of Telephone Poles, 47; The Solid Back Transmitter, 14; Telephone Exchanges of London,

Subject Index— <i>continued.</i>	PAGE	Subject Index— <i>continued.</i>	PAGE	Subject Index— <i>continued.</i>	PAGE
57, 68, 94; Unusual Cable Breakdown, 30; Unusual Fault in Underground Cable, 108; Editorials, 101, 193; <i>see also</i> "Construction" and "Transmission."		Taking Time by the Forelock, 166; Trunk Standards, 35; Trunk Line Statistics, 144.		Overdue Classification Scheme, 193; Provisional Classification, 231.	
HISTORICAL, STATISTICAL AND POLITICAL: History of National Telephone Company, 156, 179, 208; National Telephone Company in Country Districts, 73; Telephone Future of London, 141; Telephones of the World, 1911, 167, 193, 227. Editorials: Future of London, 144; Coming Changes, 192; On Prophecy, 122; Postmaster-General and Municipal Deputation, 12; Statistical Illusions, 101;		RATES: Measured, 10; New Swiss Tariffs, 78; Telephone, 138; South African, 151. Editorials: Farmer's Telephones, 56; Future Rates, 100; Nerves and Rates, 144. Correspondence: Farmers' Lines, 129.		TRAFFIC: Bristol Exchange Daily Originating Traffic, 197, 240; Provincial Telephone Traffic, 36; Private Branch Exchange Work, 128; Service Difficulties in a London Exchange, 129; —at the Coronation, 108. Editorial: The Operators' Working Conditions, 34. Correspondence: 62, 83, 246.	
		STAFF AND THE TRANSFER: Pension Fund, 156, 206, 229; Annual Staff Dinner (June) i-vii. Editorials: The Coming Transfer, 196; High Grade Men, 100; Staff and Establishment, 123;		TRANSMISSION: Measurement of Impedance and Resistance by Barretter, 31; the Received Current, 46; Some recent Advances in, 78, 90; Some Observations on, 114, 136.	