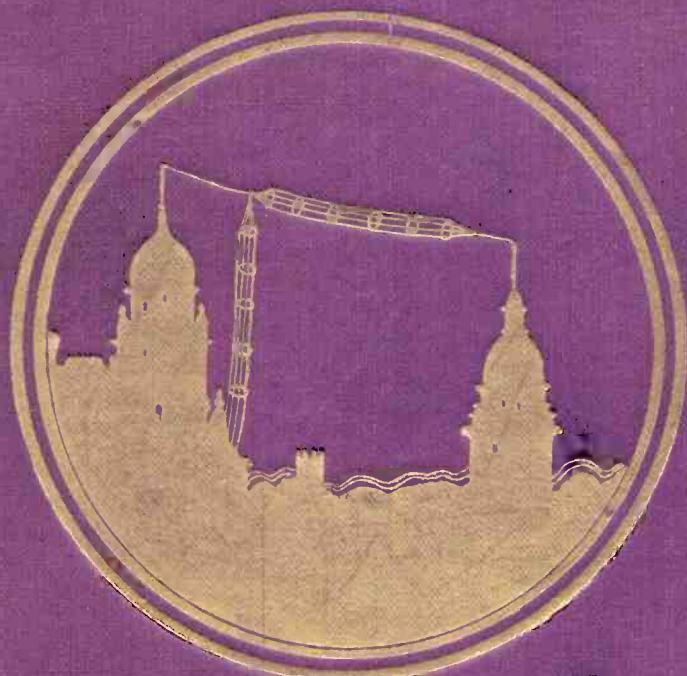


EXPERIMENTAL WIRELESS

& The WIRELESS ENGINEER

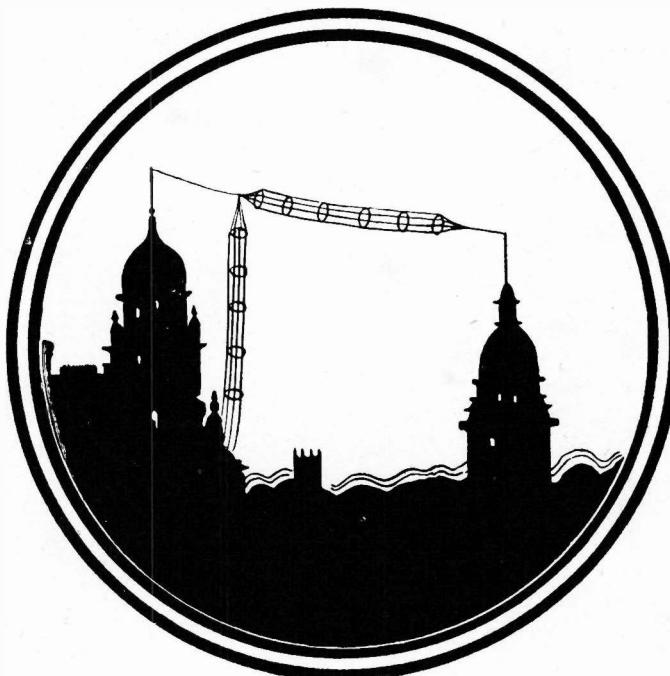


VOLUME
THREE

JAN-DEC
~1926~

EXPERIMENTAL WIRELESS

& The WIRELESS ENGINEER



**VOLUME
THREE**

**JAN.-DEC.
1926**

ILIFFE & SONS, LTD., Dorset House, Tudor Street, London, E.C.4

Price 6d. net.

INDEX.

Vol. III. Experimental Wireless & The Wireless Engineer 1926.

I. GENERAL INDEX.

(N.B.—The figures in parentheses, following the subject, refer to the Dewey Decimal System of Classification, see Index III).

	PAGE	PAGE
A bstracts of Technical Articles from the world's wireless journals, 54, 121, 189, 253, 325, 381, 451, 508, 567, 635, 699, 765	...	393, 518
Absolute Measurement of Resistance at Radio Frequencies (R ₂₄₀). R. M. Wilmotte	725	398
Accumulator, A new Theory of the Lead (621.355.01). Prof. G. W. O. Howe	466	618
Accumulator, A new Theory of the Lead (Correspondence)	646	711
A.C. Filament Supply (Patents)	126	Atmospheric Elimination, A System of (Patents) ...
Aerial Separation (Patents)	196	Atmospheric Elimination, Note on a system of (R ₄₃₁), S. Butterworth ...
Aerials, Wireless, and the Landlord (R _{540.07}) By a Barrister	433	Atmospheric Elimination (Patents) ...
Aerial Plate (Patents)	463	Atmospherics, Directional Recording of (R ₁₁₄ , R ₁₂₅), R. A. Watson Watt ...
Aerial, An Interesting Frame (Patents)	582	234
Aerial, An Underground (Patents)	775	
Alignment Charts for Selective Amplifiers (R ₀₈₂). W. A. Barclay	344	B attery, A Floating (Patents) ...
Alignment Principle (Correspondence)	119	Beam Service, Inauguration of the Canadian (Editorial) ...
Amateur DX in South America by CH.9TC. (R _{545.009.2})	108	Berlin Wireless Exhibition (R ₀₆₄) ...
Amateur Radio Telegraphy (R ₃₅₀) K. S. Wakefield	175	B.E.S.A. Glossary of Terms used in Electrical Engineering (Editorial) ...
Amateur Long-Distance Work (R _{545.009.2}). H. N. Ryan	563, 710	B.E.S.A. Glossary of Terms used in Electrical Engineering (Review) ...
Ammeter, Multi-range, of Constant Resistance (R _{384.6}). L. G. A. Sims and M. Heywood Hunt	425	Beverage Aerial (Correspondence) ...
Ammeter Panel (R ₂₅₁), E. C. Atkinson	544	Binding Case and Index ...
Among the Experimental Transmitters (R _{009.2}) ...	53, 214, 270, 424	Book Reviews and Books Received:
Amplification Scheme (Patents)	464	B.E.S.A. Glossary of Technical Terms ...
Amplification and Selectivity of a Neutralised Tuned Anode Circuit (R ₁₆₁ and R ₁₆₂). Dr. N. W. McLachlan	545	British Standard Glossary of Terms used in Electrical Engineering ...
Amplifier, Crystal (Patents)	776	Der Detektor, Dr. R. Lehnhardt ...
Amplifier, Low Current Resistance (Patents)	647	Dictionary of Wireless Technical Terms ...
Amplifier, Peculiar (Patents)	712	Die Audionröhre und ihre Wirkung, Dr. G. Liebert ...
Amplifier, Radio-frequency (Patents)	648	Electrical Engineers' Data Books ...
Amplifier, Resistance (Patents)	776	Elimination of Interference in W/T, M. Singlemann ...
Amplifier, Stabilising (Patents)	713	Loud-speakers, C. M. R. Balbi ...
Amplifier, Stabilised, Another (Patents)	714	Modern Printing Telegraphy ...
Amplifiers, Alignment charts for selective (R ₀₈₂), W. A. Barclay	344	Modern Radio Communication, J. H. Reyner ...
Amplifiers, Examination of the Properties of Audio-frequency (R ₁₃₂), W. Baggally	628	Oscillographs, J. T. Irwin ...
Amplifiers, Examination of the Properties of Audio-frequency (Correspondence)	707	Proceedings of the Wireless Section of the I.E.E. ...
Amplifiers, Audio-frequency (Patents)	468	Slide Rule Simplified, D. E. Rogers ...
Amplifiers, Four-Electrode Valve (Patents)	333	Variations of Apparent Bearings of Radio Transmitting Stations, Radio Research Board ...
Amplifiers, Peculiar Patent (Patents)	62	Wireless Annual for 1926 ...
Amplifiers, Performance of (R ₃₄₂), H. A. Thomas	15	British Wireless Exports ...
Amplifiers, Push-Pull (Patents)	335	Broadcast Station, Germany's High Power (R _{616.5}) ...
Amplifiers, Selective (Correspondence)	118	Broadcast Receiver Design, Problems in (R _{160.04}), Capt. P. P. Eckersley ...
Anode Current from Mains (R _{355.007.5})	416	
Another "Round" Loud-speaker (Patents)	261	
		C alibration Department: ...
		Calibration Department (Editorial) ...
		Calibration Department (Temporarily closed) ...
		Calibration of Ultra Short Wavelengths (R ₂₁₃), F. Aughtie ...
		Canadian Beam Service, The Inauguration of (Editorial) ...
		Capacity Lead-in (Patents) ...
		Carborundum Detector, Another (Patents) ...
		Cathode Ray Reception (Patents) ...

PAGE	PAGE		
Cathode Ray Tubes (Editorial) ...	525	Direct Current Smoothing Devices for H.T. Supply (Editorial) ...	65
Cause and Elimination of Night Errors in Radio Direction-Finding (R510), R. L. Smith-Rose and R. H. Barfield ...	367	Direct Current Test Set (R384), T. S. Skeet	553
Circuit, Crystal-Valve (Patents) ...	777	D.C. Instruments in Wireless Receivers (R251), J. F. Herd ...	565
Circuit, Four-Electrode Valve Supersonic (Patents) ...	650	Directional Recording Atmospherics (R.114, R125), R. A. Watson Watt ...	234
Circuit, Interesting Neutralised (Patents) ...	584	Direction-Finding, Cause and Elimination of Night Errors (R510), R. L. Smith-Rose and R. H. Barfield ...	367
Circuit, Reaction Rejector (Patents) ...	775	Disturbance Eliminator (Patents) ...	260
Circuit, Super-Regenerative (Patents) ...	582	Distortion, Compensating for (Patents) ...	262
Circuit, Valve Generator (Patents) ...	584	Double-Cone Diaphragm (Patents) ...	199
Coils, Nick-o-Time Tunometer (R382.009)	300	Double-Filament Rectifying Valve (Patents) ...	399
Common Errors in Condenser Calculations (R127.2), E. H. W. Banner ...	556	Double Earth Receiving System (Patents) ...	519
Compensating for Distortion (Patents) ...	262	Double Filament Valve (Patents) ...	526
Condenser, Calculations, Common Errors in (R127.2), E. H. W. Banner ...	556	Double Cone (Patents) ...	585
Condenser, Differentially-Operated (Patents) ...	198	Dubilier Loud-speaker (Patents) ...	262
Condenser, Newey (Patents) ...	264	Duplex Signalling (Patents) ...	522
Condenser, Permanency of Calibration of a Variable (R220), E. Simeon ...	348	DX Work with a Receiving Valve (R545.1), A. D. Gay ...	477
Condenser, Potentiometer (R381.5), E. Bainbridge Bell ...	282	 	
Condenser, Power Loss in (R145.5), L. Hartshorn ...	225	Earth Connections, Multiple (Patents) ...	648
Condenser, Power Loss in (Correspondence) ...	324, 392	Editorials :	
Condenser, Screening of Small Variable Air (Correspondence) ...	58, 117	Abstracts and References ...	401
Condenser, Variable Air, Notes on the Laws of (R381.4), W. H. F. Griffiths ...	3	Another Question of Nomenclature ...	132
Condenser, Variable Air, Further Notes on the Laws of (R381.4), W. H. F. Griffiths ...	743	B.E.S.A. Glossary of Terms ...	588
Cone, Double (Patents) ...	595	Cathode Ray Tubes ...	525
Constant Beat Frequency (Patents) ...	398	Common Logarithms or Natural Logarithms ...	1
Constructing a Self-Contained Ballistic Galvanometer (R384.6), F. A. Boyce ...	440	D.C. Smoothing Devices for H.T. Supply ...	65
Control of Filament Current (Patents) ...	262	Early Work of Prof. A. S. Popoff ...	132
Controlling Regeneration (Patents) ...	197	Esperanto ...	401
Controlling A Continuous-Wave Generator (Patents) ...	335	Esperanto and the Reader ...	I
Correlation of some recent advances in Wireless (Ro10), Balth. van der Pol ...	338	Esperanto and Technical Literature ...	465
Correspondence, 57, 117, 188, 258, 323, 390, 517, 579, 645, 707	460	Further Question of Nomenclature ...	201
Crystal Patent, An Interesting (Patents) ...	650	German Radio Exhibition ...	652
Crystal, Frequency Stabilisation of Transmitter by means of Oscillating Quartz (R351), C. W. Goyder ...	717	Historical Wireless Apparatus at Munich ...	337
Crystal Amplifier (Patents) ...	776	Inauguration of the Canadian Beam Service ...	715
Crystal-Valve Circuit (Patents) ...	777	Inductance of Straight Wires ...	I
Crystal-Controlled Receiver (Patents) ...	778	j, the Heaviside Operator and √—I ...	266
Curves and Tables for Short-Wave Calculations (Ro80.127.3), A. P. Castellain ...	46	Mathematical Articles ...	250
 		New Editorial Appointments ...	I
Dame Melba's Farewell (Correspondence) Department of Scientific and Industrial Research (R218) ...	188	Polarisation of Electromagnetic Waves ...	201
Detachable Grid-Leak (Patents) ...	531	Power Loss in Insulating Materials ...	525
Detachable Panel Legs (Patents) ...	260	Valve Nomenclature ...	465
Detection with a Four-Electrode Valve (Patents) ...	332	Who discovered the Long-Range of Short Waves ? ...	129
Detector, Another Carborundum (Patents) ...	128	Who Invented the Neutrodyne ? ...	523
Diaphragm, A Double Cone (Patents) ...	521	Eddy Current Loud-speaker (Patents) ...	582
Diaphragm, A Reinforced (Patents) ...	199	Effective Resistance of Inductance Coils at Radio Frequency (R144), S. Butterworth ...	203, 309, 417, 483
Diaphragm, A Multiple-Cone (Patents) ...	463	Effective Resistance of Inductance Coils at Radio Frequency (Correspondence) ...	579
Diaphragm, A Polygonal (Patents) ...	334	Electrical Alloy (Patents) ...	60
Diaphragm, A Conical (Patents) ...	464	Electrical Control of Light (Patents) ...	713
Differentially-Operated Condenser (Patents)	198	Electro-Dynamic Loud-speaker (Patents) ...	336
		Electrostatic Screen (R387), E. Bainbridge Bell ...	282
		Electrostatic Microphone (Patents) ...	336
		Electrostatic Loud-speaker (R376.3), (Ref.)	388
		Elliptical Diaphragm Loud-speaker (Patents) ...	648
		Emerald Wavemeter ...	498
		Errata ...	248, 321, 394, 462, 518
		Esperanto :	
		Abstracts in Esperanto (Correspondence) ...	58, 118
		Esperanto and the Reader (Editorial Views) ...	I
		For the Esperantists, Distordado ...	63

	PAGE	PAGE
Esperanto Section (Abstracts of articles in previous issues) ...	390, 460, 515, 577, 643, 705, 773	
Esperanto and Technical Literature (Editorial) ...	465	
Examination of the Properties of Audio-Frequency Amplifiers (R132), W. Baggally ...	628	
Exhibition, Berlin Wireless (Ro64) ...	653	
Exhibition, German Radio (Editorial) ...	651	
Exhibition, N.A.R.M.A.T. Wireless ...	248	
Exhibition, National Radio (Ro64) ...	620	
Experimental Radio Station G 2DX, (R625), W. K. Alford ...	19	
Experimental Transmitters, Among the (Roog.2) ...	53, 214, 270, 424	
Experimenters' Wireless Laboratory (R201), L. A. Sayce and J. Taylor ...	69, 144, 243	
Exports, British Wireless ...	151	
F ading, The Mystery of (R113.1.009), Oliver Hall ...	211	
Fading, The Mystery of (Correspondence) ...	392	
Fading, (R113.1), Prof. E. W. Marchant ...	288	
Fading (Correspondence) ...	394, 517, 708	
Fading and Mountains (Correspondence) ...	580, 646	
Fibre (Vulcanised) and Press Boards, Standard Specification for ...	93	
Filament, Mullard (Patents) ...	61	
Filament, An Interesting (Patents) ...	126	
Filament, Supply, An A.C. (Patents) ...	127	
Filter Circuits, Selective (Patents) ...	62	
Floating Battery (Patents) ...	775	
Four-Electrode Valve Amplifier (Patents) ...	333	
Four-Electrode Valve Circuit (Patents) ...	400	
Four-Electrode Valve Supersonic Circuit (Patents) ...	650	
Frequency Variations in Thermionic Generators (R344.2), Lt.-Col. K. E. Edgeworth ...	101	
Frequency, Maintaining Constant (Patents) ...	399	
Frequency Transformer for Short Waves (Patents) ...	519	
Frequency Stabilisation of a Transmitter (R351), C. W. Goyder ...	717	
From the World's Wireless Journals, Abstracts of Technical Articles 54, 121, 189, 253, 325		
Further Notes on the Laws of Variable Air Condensers (R381.4), W. H. F. Griffiths ...	743	
G alvanometer, Constructing a Self-Contained Ballistic (R384.6), F. A. Boyce ...		
Galvanometer, A very Sensitive Valve (R251), Prof. G. W. O. Howe ...		
Galvanometer, A very Sensitive Valve (Correspondence) ...	709	
Gas Discharge Rectifier (Patents) ...	649	
Generator, Controlling a Continuous-Wave (Patents) ...	335	
Generator, Impulse Excitation (Patents) ...	582	
German Radio Exhibition (Editorial) ...	651	
Germany's High Power Broadcasting Station (R616.5) ...	411	
Glossary of Terms, The B.E.S.A. (Editorial)	587	
Glossary of Terms, The B.E.S.A. (Review) ...	612	
Grid, A Stamped (Patents) ...	127	
Grid-leak Construction (Patents) ...	259	
Grid-leak, A Detachable (Patents) ...	260	
Grid-leak, Another Variable (Patents) ...	399	
H armonics and their effect on Wave Form (R110), J. F. Herd ...	407	
Heaviside Operator and $\sqrt{-1}$ (Correspondence) ...	579	
Hertz, H., Memorial at Karlsruhe ...	177	
Heterodyne Reception (Patents) ...	583	
High-Frequency Electric Currents, some Remarkable Effects of Large (R100.co9.1), G. H. Farnes ...	77	
H.F. Resistance (R240), P. K. Turner ...	134	
High-Tension Rectifier for a Low-Power Transmitter (R355.51), T. S. Skeet ...	599	
Historical Wireless Apparatus at Munich (Editorial) ...	337	
How Far is that Station ? (Ro81), H. E. Adshead ...	251	
How Far is that Station ? (Correspondence) ...	392	
Howling in Short-Wave Receivers (Correspondence) ...	59, 117	
I.E.E. Wireless Section of the (Editorial) ...	65	
I.I.E.E., An Announcement (Ro60) ...	115	
I.E.E., Opening of the Session (Ro60), Dr. Eccles' Address ...	724	
I.E.E., Wireless Section. Papers read : Audio-Frequency Measurements (R290 ...	370	
Chairman's Address (Ro60) (Abstract) ...	121	
Cause and Elimination of Night Errors in Radio Direction-Finding (R510), R. L. Smith-Rose and R. H. Barfield (R510) ...	367	
Directional Recording of Atmospherics (R114, R125), R. A. Watson Watt ...	234	
Frequency Variations in Thermionic Generators (R344.2), Lt.-Col. K. E. Edgeworth ...	101	
Instantaneous Direct-Reading Gonimeter (R114, R125), R. A. Watson Watt and J. F. Herd ...	239	
Low-Frequency Intervalve Transformers (R132.1), P. W. Willans ...	435	
Past, Present and Future Developments of Wireless Telephony (R550), Capt. P. P. Eckersley ...	114	
The Propagation of Radio Waves (R113), J. Hollingworth ...	178	
Wireless Development since the War (R599), Dr. W. H. Eccles ...	740	
Improving Selectivity (Patents) ...	778	
Impulse Excitation Generator (Patents) ...	582	
Inauguration of the Canadian Beam Service (Editorial) ...	715	
Inductance of Straight Wires (Editorial Views) ...	1	
Inductance, A Spaced (Patents) ...	264	
Inductance Coils, Effective Resistance of at Radio Frequency (R144), S. Butterworth ...	203, 309, 417, 483	
Inductance Coils, Losses in (R143), S. Butterworth ...	267	
Inductance Coils Quantitatively Compared (R240), A. L. M. Sowerby ...	220, 363	
Inductance Coils, Quantitatively Compared (Correspondence) ...	461, 518, 581	
Instantaneous Direct-Reading Radiogoniometer (R114, R125), R. A. Watson Watt and J. F. Herd ...	239	
Insulating Material (Patents) ...	60	
Interesting Frame Aerial (Patents) ...	582	
Interesting Neutralised Circuit (Patents) ...	584	
Interesting Crystal Patent (Patents) ...	650	
International Morse Code ...	482	

PAGE	PAGE		
Intervalve Couplings, Some Notes on (R132), H. L. Kirke	350	Modified Igranic Transformer (Patents) ...	260
Introducing Sodium and Potassium into Discharge Tubes (R535.3), J. Taylor ...	762	Multiple Variometer (Patents) ...	521
J , the Heaviside Operator and $\sqrt{-1}$ (Correspondence)	394, 462	Multiple Earth Connections (Patents) ...	648
K eying Transmitters (Patents) ...	263	Multi-Range Ammeter of Constant Resistance (R384.6), L. G. A. Sims and M. Heywood Hunt ...	425
Keying of Valve Transmitters (R385), W. T. Ditcham ...	526	Mystery of Fading (R113.1.009), Oliver Hall ...	211
"Kone" Loud-speaker (Patents) ...	126	Mystery of Fading (Correspondence) ...	393
Königswusterhausen Broadcasting Station (R616.5) ...	411	N .A.R.M.A.T. Wireless Exhibition ...	248
L aboratory, An Experimenter's Wireless (R201), L. A. Sayce and J. Taylor ...	69, 144	National Radio Exhibition (Ro64) ...	620
Laboratory Notes (R387 and R381.5), E. Bainbridge Bell ...	282	Neutralisation Scheme (Patents) ...	711
Light, Electrical Control of (Patents) ...	713	Neutrodyne? Who Invented the (Editorial)	523
Logarithms, Common or Natural (Editorial Views) ...	1	Neutrodyne Condenser (Patents) ...	259
Long-Distance Work (R545.009.2), H. N. Ryan (5BV) ...	52, 109, 249, 308, 380, 563, 710	New Slide Rule ...	171
Long and Short Waves, The Relative Values of (Ro40), R. S. G. B. Discussion ...	692	New Theory of the Lead Accumulator? (621.355.0), Prof. G. W. O. Howe ...	466
Lorenz High-Frequency System for Radio Transmission (R421), F. W. Gillard ...	215	New Theory of the Lead Accumulator? (Correspondence) ...	646
Losses in Inductance Coils, The Need for a Standard of Efficiency (R143), S. Butterworth ...	267	New Method of Obtaining Frequency Stabilisation of a Transmitter (R351), C. W. Goyder ...	717
Loud-speaker, Another "Round" (Patents)	261	New Theory, A, The Effect of the Moon on Radio Reception (R113.9), D. Shannon	429
Loud-speaker, Dubilier (Patents) ...	262	New Theory, A, The Effect of the Moon on Radio Reception (Correspondence) ...	517, 579
Loud-speaker, Eddy Current (Patents) ...	582	New Valve Rectifier, Inexpensive Accumulator Charging from A.C. Mains (R355.55), L. A. Sayce ...	269
Loud-speaker, Electro-Dynamic (Patents) ...	336	Newvey Condenser (Patents) ...	264
Loud-speaker, Elliptical Diaphragm (Patents)	48	Nick-o-Time Tunometer Coils (R382.009)	300
Loud-speaker, "Kone" (Patents) ...	126	Nomenclature, Another Question of (Editorial) ...	129.
Loud-speakers, Method of Calibrating (R290), H. J. Round ...	604	Nomenclature, Another Question of (Correspondence) ...	188, 323
Loud-speakers (R376.3), N. W. McLachlan	152	Nomenclature, A Further Question of (Editorial) ...	201
Low-Current Resistance Amplifier (Patents)	647	Nomenclature, Valve, A New Term Suggested (Ro30), Prof. G. W. O. Howe ...	67
Low-Frequency Intervalve Transformers (R132.1), P. W. Willans ...	435	Nomenclature, Valve, A New Term Suggested (Correspondence) ...	324
Low-Loss Coil Former (Patents) ...	261	Notes on the Laws of Variable Air Condensers (R381.4), W. H. F. Griffiths ...	3
M agnetic Component, Utilising the (Patents) ...	199	Note on System of Atmospheric Elimination (R431), S. Butterworth ...	618
Mains Units, Voltage Regulation of (Patents) ...	712	O btaining Anode Current from Mains (R355.007.5) ...	416
Mains Receiver (Patents) ...	777	Opening of the I.E.E. Session, Dr. Eccles' Address (Ro60) ...	724
Maintaining Constant Frequency (Patents) ...	399	Oscillation, Suppressing Parasitic (Patents)	584
Makeshifts (Correspondence) ...	581	Oscillator, Short-Wave (Patents) ...	647
Mathematical Articles (Editorial) ...	250	Our Predecessor (Editorial) ...	66
Mathematics for Wireless Amateurs (510), F. M. Colebrook ...	283, 373, 446, 493, 559, 613, 674, 756	P anel, A Pivoted (Patents) ...	585
Measurement of Resistance at Radio Frequencies, the Absolute (R240), R. M. Wilmette ...	725	Particulars of German Amateur Valves	322
Melba, Dame N., Farewell Letter ...	188	Past, Present and Future Developments of Wireless Telephony (R550), Capt. P. P. Eckersley ...	114
Mercury Contact Switches and Connecting Boards (R387), T. B. Baker ...	317	Patent Infringement and Experimental Use (R347), by a Patent Agent ...	113
Method of Calibrating Microphones and Loud-speakers (R290), H. J. Round ...	604	Patents, Some Recent ...	259,
Microphone, An Electrostatic (Patents) ...	336	332, 396, 463, 519, 582, 647, 711, 775	59,
Microphones and Loud-speakers, Method of Calibrating (R290), H. J. Round ...	604	Patents (Correspondence) ...	118
Microphone, A Reisz (Patents) ...	463, 777	Patents, Supersonic (Correspondence) ...	180
M.I. Intervalve Coupling (Patents) ...	397	Peaked Audio Amplifiers (R342) ...	387
		Peculiar Receiving Circuit (Patents) ...	396
		Peculiar Amplifier (Patents) ...	712
		Performance of Amplifiers (R342), H. A. Thomas, M.Sc. ...	15

PAGE	PAGE		
Permanency of Calibration of a Variable Condenser (R220), E. Simeon ...	348	Rectification Scheme (Patents) ...	334
Phototelegraphy, Wireless (R582) ...	301	Rectifiers for High Tension Supply (R355.5), R. Mines ...	41, 105, 182
Piezo-Electric Effect and its Application to Wireless (R351.218), C. W. Goyder ...	94, 165	Rectifier, A New Valve (R355.5), L. A. Sayce ...	269
Pivoted Panel (Patents) ...	585	Rectifier, A High Tension for a Low-Power Transmitter (R355.51), T. S. Skeet ...	599
Plate Current, Use of, Plate Voltage Characteristics (R131), E. Green ...	402, 469	Rectifier, A Gas Discharge (Patents) ...	649
Plate Current, Plate Voltage Characteristics (Correspondence) ...	645, 707	Reflex Circuit (Patents) ...	519
Plate Aerial (Patents) ...	463	Reflex Receiver (Patents) ...	714
Polarisation of Electromagnetic Waves (Editorial) ...	201	Regeneration Control (Patents) ...	396
Polygonal Diaphragm (Patents) ...	334	Reinforced Diaphragm (Patents) ...	264
Popoff, Prof. A. S., Early Work of (Editorial)	130	Reisz Microphone (Patents) ...	463, 777
Power Loss in Condensers (R145.5), L. Hartshorn ...	225	Rejectors and Absorbers (R432.1), Prof. G. W. O. Howe ...	131
Power Loss in Condensers (Correspondence) ...	324, 392	Rejectors and Absorbers (Correspondence) ...	258
Power Loss in Insulating Materials (Editorial) ...	525	Rejector Circuit, Reaction (Patents) ...	775
Power Loss in Insulating Materials (Correspondence) ...	646	Relative Values of Long and Short Waves (Ro40), R.S.G.B. Discussion ...	692
Preventing Self Oscillation (Patents) ...	196	Research, Department of Scientific and Industrial (R218) ...	531
Problems in Broadcast Receiver Design (R160.04), P. P. Eckersley ...	499	Resistance, Absolute Measurement of at Radio Frequencies (R.240), R. M. Wilmette ...	725
Propagation of Radio Waves (R113), J. Hollingworth ...	178	Resistance Amplifier (Patents) ...	776
Push-Pull Amplifier (Patents) ...	335	Resistance-Coupled Reflex Receiver (Patents) ...	125
Q uenced Receiving System (Patents) ...	197	Resistance, H.F. (R240), P. K. Turner ...	134
R adio-Frequency Amplifier (Patents) ...	648	Resistances, Wire Anode (R383) ...	378
Radiogoniometer, Instantaneous Direct-Reading (R114, R125), R. A. Watson Watt and J. F. Herd ...	... ...	Rectification of Small Radio-Frequency Potential Differences by means of Triode Valves (R134, R134), F. M. Colebrooke ...	34, 90
Radio Society of Great Britain : A Review of Last Year's Activities (R.060) ...	... ...	Retroaction, Controlling (Patents) ...	61
Annual Dinner ...	... ...	R.I. Tuner (Patents) ...	397
R.S.G.B. Lectures:		Royal Society Discussion. The Upper Layer (R113.4) ...	242
Fading (R113.1), Prof. E. W. Marchant ...	... ...	Rugby Radio Station of the British Post Office (R611), E. H. Shaughnessy	543, 771
Loud-speakers (R376.3), N. W. McLachlan ...	... ...	288	
Problems in Broadcast Receiver Design (R160.04), P. P. Eckersley ...	... ...	S afety Lead-in Tube (Patents) ...	397
Relative Values of Long and Short Waves (Ro40). Discussion ...	... ...	Selective Reception (Patents) ...	332
Short Waves for Long Ranges (R401.24), Capt. W. G. H. Miles, R.M. ...	... ...	Selectivity, Improving (Patents) ...	778
Some Facts and Notions about Short Waves (R110), Capt. Duncan Sinclair	... ...	Short Wavelengths. Ultra-calibration of (R213), F. Aughtie ...	633
Some Notes on Intervalve Couplings (R132), H. L. Kirke ...	... ...	Screened Aerial System (Patents) ...	60
Television (R586.04) J. L. Baird ...	... ...	Screening of Small Variable Air Condensers (Correspondence) ...	58, 117
Radio-Wien (R616.5), Prof. G. W. O. Howe ...	533	Short-Wave Calculations, Curves and Tables (Ro80.127.3), A. P. Castellain ...	46
Reaction Rejector Circuit (Patents) ...	775	Short-Wave Oscillator (Patents) ...	647
Readers' Views (Correspondence) ...	119	Short-Wave Receivers, Howling in (Correspondence) ...	59
Receiver, Crystal-Controlled (Patents) ...	778	Short-Wave Stations, G ₂ DX (R625), W. K. Alford ...	19
Receiver Design, Problems in Broadcast (R160.04), P. P. Eckersley ...	... ...	Short-Wave Wireless Telegraphy, Recent Developments in (R401), H. Rukop	606, 681
Receivers, D.C. Instrument in Wireless (R251), J. F. Herd ...	565	Short Waves for Long Ranges. Capt. W. G. H. Miles, R.M. ...	22
Receiver, A Mains (Patents) ...	777	Short Waves, Some facts and notions about (R110), Capt. Duncan Sinclair ...	79
Receiver, A Reflex (Patents) ...	714	Short Waves, Who Discovered the Long Range of ? (Editorial) ...	129
Receiving System, An Interesting (Patents) ...	126	Slide-Rule, A New ...	171
Recent Developments in Short Wave Wireless Telegraphy (R401), H. Rukop	606, 681	Sodium Tube (Correspondence) ...	709
Reception, The Effect of the Moon on (R113.8), D. Shannon ...	429	Sodium and Potassium, Introducing, into Discharge Tubes (R535.3), J. Taylor ...	762
Reception, Trigger System of (Patents) ...	520	Spaced Inductance (Patents) ...	264
Reception, Heterodyne (Patents) ...	583	Squegger Circuit, Another (Patents) ...	259

PAGE		PAGE	
Some facts and Notions about Short Waves (R110), Capt. Duncan Sinclair ...	79	V alve Construction (Patents)	586
Some Notes on Intervalve Couplings (R132), H. L. Kirke	350	Valve Cooling Detail (Patents) ...	60
Some Remarkable Effects of Large H.F. Electric Currents (R100.009.1), G. H. Farnes	77	Valve, Detection with a Four-electrode (Patents)	128
Space-charge Valve (Patents) ...	128	Valve, Double Anode (Patents)	62
Stabilised Amplifier, Another (Patents) ...	714	Valve, Double Filament (Patents) ...	521
Stabilising Amplifiers (Patents) ...	713	Valve, Double Filament Rectifying (Patents)	399
Standard Specification for Vulcanised Fibre and Press Boards ...	93	Valve Generator Circuit (Patents) ...	584
Straight-line Relationship, The (R381.4.01), Oliver Hall ...	302	Valve Nomenclature (Editorial) ...	465
Super-Regenerative Circuit (Patents) ...	583	Valve Nomenclature (Correspondence) ...	645
Supersonic Patents (Correspondence) ...	188	Valve Nomenclature—A New Term Sugges- ted (R303), Prof. G. W. O. Howe ...	67
Supersonic Transmission (Patents) ...	398	Valve, Space-charged (Patents) ...	128
Supersonic Circuit, A Four-electrode Valve (Patents) ...	650	Valve Supply (Patents) ...	197
Suppressing Parasitic Oscillation (Patents) ...	584	Valve, Use of Small Receiving for Trans- mitting (R344.3), A. G. Wood ...	223
Switches and Connecting Boards, Mercury Contact (R387), T. B. Baker ...	317	Valves, Particulars of German Amateur ...	322
T alking Arc (Patents) ...	520	Variable Air Condensers, The Laws of (R381.4), W. H. F. Griffiths ...	743
Television (R586.04), J. L. Baird ...	730	Variations in the Thermionic and Photo- electric Emission for Platinum and	
Television Detail (Patents) ...	520	Tungsten (R138), T. Harrison ...	456
Television, The Latest Advance Towards (R586), L. Fournier ...	514	Variometer, A Multiple (Patents) ...	521
Test Set, Transformer (R342.7.009) ...	172	Varley Magnet Co. ...	498
Test Set, Direct Current (R384), T. S. Skeet	553	Very Sensitive Valve Galvanometer (R251), Prof. G. W. O. Howe ...	634
Thermionic Voltmeter (R261), W. B. Medlam and U. A. Oschwald ...	582	Very Sensitive Valve Galvanometer (Corre- spondence) ...	709
Transatlantic Telephony (R615.12), A. Oswald and El Deloraine ...	260	Vibrating Electrode (Patents) ...	61
Transformer, A Modified Igranic (Patents) ...	514	Vienna Broadcasting Station (Radio-Wien) (R616.5), Prof. G. W. O. Howe ...	533
Transformer Construction, Radio Frequency (Patents) ...	396	Volt-Ammeter, Universal Testing (R260.251)	104
Transformer Curves (Correspondence) 57, 120.	324	Voltage Node, Taking Advantage of (R344.3)	492
Transformer Test Set (R342.7.009) ...	172	Voltage Regulation of Mains Units (Patents)	712
Transformers, Low-frequency Intervalve (R132.1), P. W. Willans ...	435	Voltmeter, The Thermionic (R261), W. B.	
Transmission, A Note on (R344.3) ...	492	Medlam and U. A. Oschwald ...	589, 664
Transmitters, The Keying of Valve (R385), W. T. Ditcham ...	526	W ave-Form, Harmonics and Their Effect on (R110), J. F. Herd... ...	407
Trigger System of Reception (Patents) ...	520	Wavemeter, The Emerald ...	498
Tuning System (Patents) ...	585	Wave-Trap Arrangement (Patents) ...	196
U nderground Aerial (Patents) ...	775	Waves, Propagation of Radio (R113), J. Hollingworth ...	178
Universal Testing Volt-Ammeter (R260.251) ...	104	“Wipe Out” (Correspondence) ...	118, 258
Upper Layer, The (Discussion at the R.S.) (R113.4) ...	242	Wire Anode Resistances (R383) ...	378
Use of Small Receiving Valves for Trans- mitting (R344.3), A. G. Wood ...	223	Wireless Annual for 1926 ...	40
Utilising the Magnetic Component (Patents)	199	Wireless Aerials and the Landlord (R540.07). By A Barrister ...	433
		Wireless Development since the War (R599) Dr. W. H. Eccles ...	740
		Wireless Phototelegraphy (R582) ...	301
		Wireless Section of the I.E.E. (Editorial) ...	65
		Wireless Telephony, The Past, Present and Future Developments of (R550), Capt. P. P. Eckersley ...	114

II. NAMES OF CONTRIBUTORS.

PAGE		PAGE	
ADSHEAD, H. E. How Far is that Station ? (R ₀₈₁) ...	251	GRIFFITHS, W. H. F. Variable Air Condensers (R _{381.4}) ...	3
ALFORD, W. K. Experimental Radio Station G ₂ DX (R ₆₂₅) ...	19	Further Notes on the Laws of Variable Air Condensers (R _{381.4}) ...	743
ATKINSON, E. C. An Ammeter Panel (R ₂₅₁)	544	HALL, Dr. OLIVER. The Mystery of Fading (R _{113.1.009}) ...	211
AUGHTIE, F. Calibration of Ultra Short Wavelengths (R ₂₁₃) ...	633	The Straight - Line Relationship (R _{381.4.01}) ...	302
BAGGALLY, W. Examination of the Properties of Audio-Frequency Amplifiers (R ₁₃₂) ...	628	HARTSHORN, L. Power Loss in Condensers (R _{145.5}) ...	225
BAIRD, J. L. Television (R _{586.04}) ...	730	HERD, J. F. An Instantaneous Direct-Reading Radiogoniometer (R _{114. R.125}) ...	239
BAKER, T. B. Mercury Contact Switches and Connecting Boards (R ₃₈₇) ...	317	Harmonics and their effect on Wave Form (R ₁₁₀) ...	407
BANNER, E. H. W. Common Errors in Condenser Calculations (R _{127.2}) ...	556	D.C. Instruments in Wireless Receivers (R ₂₅₁) ...	565
BARCLAY, W. A. Alignment Charts for Selective Amplifiers (R ₀₈₂) ...	344	HOLLINGWORTH, J. The Propagation of Radio Waves (R ₁₁₃) ...	178
BARFIELD, R. H., and SMITH ROSE, R. L. The Cause and Elimination of Night Errors in Radio Direction Finding (R ₅₁₀) ...	367	HOWE, Prof. G. W. O. Technical Editor of EXPERIMENTAL WIRELESS AND THE WIRELESS ENGINEER ...	1
BOYCE, F. A. Constructing a Self-contained Ballistic Galvanometer (R _{384.6}) ...	440	Valve Nomenclature—A New Term Suggested (R ₀₃₀) ...	67
BUTTERWORTH, S. Effective Resistance of Induction Coils at Radio-frequency (R ₁₄₄) ...	17, 483	Rejectors and Absorbers (R _{432.1}) ...	131
Losses in Inductance Coils, The Need for a Standard of Efficiency (R ₁₄₃)	267	A New Theory of the Lead Accumulator (621.355.01) ...	466
Note on a System of Atmospheric Elimination (R ₄₃₁) ...	618	Radio Wien (R _{616.5}) ...	533
CASTELLAIN, A. P. Curves and Tables for Short-Wave Calculations (R _{080.127.3})	46	Very Sensitive Valve Galvanometer (R ₂₅₁) ...	634
COLEBROOK, F. M. Rectification of Small Radio-Frequency Potential Differences (R ₁₃₄) ...	34, 90	HUNT, M. HEYWOOD. The Multi-Range Ammeter of Constant Resistance (R _{384.6}) ...	425
Mathematics for Wireless Amateurs (510) ...	283, 373, 446, 493, 559, 613, 674, 756	KIRKE, H. L. Some Notes on Intervalve Couplings (R ₁₃₂) ...	350
DITCHAM, W. T. The Keying of Valve Transmitters (R ₃₈₅) ...	526	McLACHLAN, N. W. Loud-speakers (R _{376.3})	152
ECCLES, Dr. W. H. Wireless Development since the War (R ₅₉₉) (I.E.E. Wireless Section) ...	740	Amplification and Selectivity of a Neutralised Tuned - Anode Circuit (R ₁₆₁ and R ₁₆₂) ...	545
ECKERSLEY, Capt. P. P. The Past, Present and Future Developments of Wireless Telephony (R ₅₅₀) ...	114	MARCHANT, Prof. E. W. Fading (R _{113.1}) ...	288
Problems in Broadcast Receiver Design (R _{160.04}) ...	499	MEDLAM, W. B. The Thermionic Voltmeter (R ₂₆₁) ...	589, 664
EDGEWORTH, Lt.-Col. K. E. Frequency Variations in Thermionic Generators (R _{344.2}) ...	101	MILES, Capt. W. G. H., R.M. Short Waves for Long Ranges (R _{401.24}) ...	22
GAY, A. D. DX Work with a Receiving Valve (R _{545.1}) ...	477	MINES, R. Rectifiers for H.T. Supply, Additional (R _{355.5}) ...	41, 105, 182
GILLARD, F. W. The Lorenz H.F. System for Radio Transmission (R ₄₂₁) ...	215	OSCHWALD, U. A. The Thermionic Voltmeter (R ₂₆₁) ...	589, 664
GOYDER, C. W. Piezo-Electric Effect and its Application to Wireless (R _{351.218})	94, 165	RAVEN-HART, R. (Ch.9TC). Amateur DX in South America (R _{545.009.2}) ...	108
New Method of Obtaining Frequency Stabilisation of a Transmitter (R ₃₅₁)	717	ROUND, H. J. A Method of Calibrating Microphones and Loud-speakers (R ₂₉₀) ...	604
GREEN, E. Use of Plate Current-Plate Voltage Characteristics (R ₁₃₁) ...	402, 469	RUKOP, H. Recent Developments in Short-Wave Wireless Telegraphy (R ₄₀₁)	606, 681
		RYAN, H. N. Long-Distance Work (R _{545.009.2})	52, 109, 249, 308, 380, 563, 710
		SAYCE, L. A. An Experimenter's Wireless Laboratory (R ₂₀₁) ...	69, 144, 243
		A New Valve Rectifier (R _{355.55}) ...	269

PAGE		PAGE	
SHANNON, D. A New Theory, The Effect of the Moon on Radio Reception (R113.8) ...	429	THOMAS, H. A. The Performance of Amplifiers (R342) ...	15
SHAUGHNESSY, E. H. The Rugby Radio Station of the British Post Office (R611) ...	271	TURNER, P. K. Editorial ...	66
SIMEON, E. Permanency of Calibration of a Variable Condenser (R220) ...	348	H.F. Resistance (R240) ...	134
SIMS, L. G. A. The Multi-Range Ammeter of Constant Resistance (R384.6) ...	425	VAN DER POL, DR. BALTH. The Correlation of Some Recent Advances in Wireless (Ro10) ...	338
SKEET, T. S. Direct-Current Test Set (R384) ...	553	WAKEFIELD, K. S. Amateur Radio Telegraphy (R350) ...	175
High-Tension Rectifier for a Low-Power Transmitter (R355.51) ...	599	WATT, R. A. WATSON. Directional Recording of Atmospherics (R114, R125)	234
SMITH ROSE, R. L. and BARFIELD, R. H. The Cause and Elimination of Night Errors in Radio Direction-Finding (R510) ...	367	An Instantaneous Direct-Reading Radiogoniometer (R114, R125) ...	239
SOWERBY, A. L. M. Inductance Coils Quantitatively Compared (R240) 220, 363	599	WILMOTTE, R. M. Absolute Measurement of Resistance at Radio Frequencies (R240) ...	725
TAYLOR, J. An Experimenter's Wireless Laboratory (R201) ...	367	WOOD, A. G. Use of Small Receiving Valves for Transmitting (R344.3) ...	223
Introducing Sodium and Potassium into Discharge Tubes (R535.3) ...	762	WILLANS, P. W. Low-Frequency Inter-valve Transformers (R132.1) ...	435

III. DEWEY DECIMAL CLASSIFICATION.

R000.—Wireless in General.		PAGE	R100.—General Principles and Theory.		PAGE
Roo8	Digest of U.S. Wireless Patents, J. BRADY ...	508	R100.009.1	Some Remarkable Effects of Large H.F. Electric Currents, G. H. FARNEs ...	77
Ro09.2	Among the Experimental Transmitters ...	53, 214, 270	R110	Some Facts and Notions about Short Waves, Capt. DUNCAN SINCLAIR ...	79
Ro10	The Correlation of some recent advances in Wireless, VAN DER POL ...	338	R113	Harmonics and their Effect on Wave Form, J. F. HERD ...	407
Ro30	Valve Nomenclature—A New Term Suggested, Prof. G. W. O. HOWE ...	67	R113.1.009	The Propagation of Radio Waves, J. HOLLINGWORTH	178
Ro40	Relative Values of Long and Short Waves, R.S.G.B. Discussion ...	692	R113.4	The Mystery of Fading, Dr. OLIVER HALL ...	211
Ro60	I.E.E. Wireless Section, An Announcement ...	115	R113.8	The Upper Layer (Discussion at the R.S.) ...	242
	R.S.G.B., A Review of Last Year's Activities ...	116	R114	A New Theory, The Effect of the Moon on Radio Reception, D. SHANNON ...	429
	Opening of the I.E.E. Session, Dr. ECCLES' Presidential Address ...	724		Directional Recording of Atmospherics, R. A. WATSON WATT ...	234
Ro64	National Radio Exhibition (Ro64) ...	620		An Instantaneous Direct-Reading Radiogoniometer, R. A. WATSON WATT and J. F. HERD ...	239
Ro80.127.3	Berlin Wireless Exhibition ...	653	R125	Directional Recording of Atmospherics, R. A. WATSON WATT ...	234
	Curves and Tables for Short-Wave Calculations, A. P. CASTELLAIN ...	46		An Instantaneous Direct-Reading Radiogoniometer, R. A. WATSON WATT and J. F. HERD ...	239
Ro81	How far is that Station ? H. E. ADSHEAD ...	251		Directional Recording of Atmospherics, R. A. WATSON WATT ...	234
Ro82	Alignment Charts for Selective Amplifiers, W. A. BARCLAY	344		An Instantaneous Direct-Reading Radiogoniometer, R. A. WATSON WATT and J. F. HERD ...	239
Ro84	Maps and Wireless Waves, R. KEEN ...	567			