

PUBLICATIONS
OF THE
ROYAL AERONAUTICAL SOCIETY

with which is incorporated The Institution of Aeronautical Engineers.

Corrected to June, 1936.

TOGETHER WITH
A CLASSIFIED LIST OF ARTICLES
FROM
The JOURNAL of the Society for 1919-1936.

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- "The Application of Insecticides by Aeroplane," Dudley Wright, A.M.I.Ae.E. 3/6
- Sept. "Some Further Practical Points in the Structural Design of Aircraft," A. P. Thurston, D.Sc., M.B.E., F.R.Ae.S., M.I.Ae.E.
- "Notes on Seaplane Design," Commander J. C. Hunsaker (C.C.), U.S.N., D.Sc., Hon.F.R.Ae.S. 3/6

Abstracts from the Scientific and Technical Press.

(These are abstracts, prepared by the Air Ministry, of articles on aviation and allied subjects, from the scientific and technical Press of the world. The following list gives the dates when each one of the series has been published in the Journal.)

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AERODYNAMICS—(Continued).

A Theoretical Investigation of the Maximum-Lift Coefficient	Th. von Karman and C. B. Millikan	July, 1935
Wing Flaps and other Devices as Aids to Landing Tapered Wing Stall	R. P. Alston, B.A., A.F.R.Ae.S. P. P. Nazir, M.Inst.B.E., A.F.R.Ae.S.	August, 1935 August, 1935
The Lift Distribution on a Twisted Elliptic Wing with special reference to the Effect of Flaps	J. Lockwood Taylor, D.Sc., A.M.I.N.A.	December, 1935
The Fundamentals of Boundary Layer Theory with some Applications to Aircraft	H. Leaderman, B.A., B.Sc.(Eng.)	January, 1936
Aircrews		
The Dynamics of Fluid Propulsion	M. A. S. Riach	August, 1918
A Note on the Theories of Screw Propulsion	H. C. Watts	July, 1920
Some Fundamentals of the Theory of Blade Screws	G. de Bothzat	November, 1920
A Note on the Inflow Theory of the Airscrew	M. A. S. Riach	January, 1921
The Fan Propeller and Blade Interference	M. A. S. Riach	February, 1922
Stresses in Airscrews due to Varying Engine Torque	John Case	August, 1922
The Vibration of Airscrew Blades	J. Morris	December, 1922
Review of Airscrew Theories	A. R. Low	February, 1923
The Effect of Variable Gearing on Performance	Annie D. Betts	November, 1923
Airscrew Vibration and Gear Stripping	J. Morris	August, 1926
A New Type of Combined Airscrew Hub Dynamometer and Thrust Meter	Squadron-Leader F. E. Hellyer	December, 1927
Experiments on Model Airscrews at High Tip Speeds	G. P. Douglas	June, 1928
The Variable-Pitch Aircraft	H. S. Hele-Shaw and T. E. Beacham	July, 1928
Airscrews	W. E. Park	August, 1928
Design of Airscrews for Schneider Trophy Race	P. A. Ralli	September, 1928
Airscrew Body Interference	C. N. H. Lock	August, 1929
Tests on Model Propellers	J. L. Hodgson, B.Sc., Assoc.M. Inst.C.E., A.F.R.Ae.S.	Aug.-Sep., 1929
The Equilibrium of Loaded Impeller Blades	P. A. Ralli	February, 1931
An Automatic Variable Pitch Airscrew	H. C. H. Townsend, B.Sc., A.F.R.Ae.S.	February, 1932
Airscrew Design	D.L. Hollis Williams, A.F.R.Ae.S.	June, 1933
Variable Pitch Airscrews and Variable Gears	W. G. Jennings, B.Sc., A.F.R.Ae.S.	January, 1934
Some Dynamical Characteristics of Propellers	Captain J. Morris, A.F.R.Ae.S.	December, 1934
Airships		
Lighter-than-Air Craft	T. R. Cave-Browne-Cave	July, 1919
The Principles of Rigid Airship Construction	A. P. Cole	March, 1920
Rigid Airships and Their Development	J. E. M. Pritchard	April, 1920
Airship Machinery	C. F. Abell	May, 1920
Naval Architecture in Aeronautics	J. C. Hunsaker	July, 1920
Fluid Resistance on Streamline Bodies	J. R. Fannell	September, 1920
Airship Piloting	G. H. Scott	February, 1921
Airship Mooring and Handling	F. L. C. Butcher	February, 1921
Airship Mooring by "Free" Wire Systems	R. A. Frazer & L. F. G. Simmons	February, 1921
Airship Fabrics	J. W. W. Dyer	July, 1921
Rigid Airships	V. L. Bartlett	July, 1921
Organisation of a Colonial Airship Service	V. C. Richmond	November, 1921
The Present Technical Position of Airships	G. H. Scott	January, 1922
The Aerodynamical Characteristics of the Airship	R. Jones	February, 1924
The Effect of Meteorological Conditions on Aircraft	G. H. Scott & V. C. Richmond	March, 1924
The Strength of Rigid Airships	C. B. Burgess, J. C. Hunsaker and S. Truscott	June, 1924
Modern Zeppelin Airships	Dr. Eckener	June, 1925
Cayley on Airships	Sir George Cayley	February, 1925
The Rigid Airship in Relation to Full-Scale Experiment	R. A. Frazer	September, 1925
Research Problems in Airship Development	Major G. H. Scott	April, 1926
Experimental Stress Analysis of Frameworks with Reference to the Problems of Airship Design	A. J. Sutton Pippard	May, 1926
The Development of Airship Mooring	Major G. H. Scott	August, 1926
Review of Present Position of Airship Research and Experiment	Colonel V. C. Richmond	October, 1926
Calculation of Stresses in Hulls of Rigid Airships	R. V. Southwell	November, 1926
The Use of Barometric Charts in the Navigation of Airships	Norman L. Silvester, M.Sc., F.R.Met.Soc.	January, 1927
Airships	H. B. Wryn Evans	August, 1927
Safety from Fire in Airships	Wing-Commander T. R. Cave-Browne-Cave	October, 1927
Some Recent Developments in the Design of Rigid Airships	W. T. Sandford	November, 1927
Secondary Stresses in Airship Hull Structures	J. F. Baker	December, 1927
Secondary Stresses in Airship Hull Structures	J. F. Baker	December, 1928
The Machinery Installation of Airship R101	T. R. Cave-Browne-Cave	March, 1929
R101	Lieut. Col. V. C. Richmond, O.B.E., B.Sc., A.F.R.Ae.S.	August, 1929
The External Forces on an Airship Structure	H. Roxbee Cox, Ph.D., B.Sc.(Eng.)	September, 1929
Handling and Mooring of Airships	Major G. H. Scott, C.B.E., A.F.C., F.R.Ae.S.	November, 1929
The Strength of Transverse Frames of Rigid Airships	Hilda M. Lyon, A.F.R.Ae.S.	June, 1930
The Cross Section of the Rigid Airship	F. G. Evans	August, 1930

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The Metalclad Airship	Carl B. Fritsche	September, 1931
The Influence of Atmospheric Humidity and other Factors upon the Static Lift of Airships	W. G. Bird, M.A. (Oxon), A.F.R.Ae.S.	November, 1931
A Contribution to the Analysis of Primary Stresses in the Hull of a Rigid Airship	L. Chitty, A.F.R.Ae.S., and R. V. Southwell, F.R.S., F.R.Ae.S.	December, 1931
Calculation of the Motion of an Airship under Certain Conditions	D. H. Williams, B.Sc., A.F.R.Ae.S., and A. R. Collar, B.A., B.Sc.	January, 1933 April, 1933
Airship Development Abroad	Squadron Leader R. S. Booth	
Tapered Frameworks Representative of the Airship Hull	Miss L. Chitty, F.R.Ae.S.	March, 1934

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Commercial and Pleasure Flying	C. Grahame White	May, 1919
Possibilities of Aerial Transport in Peru	G. M. Dyott	October, 1919
Flying Over Clouds and Commercial Aeronautics	B. Melvill Jones	May, 1920
Trans-Continental Flying	P. D. Acland	June, 1920
Aerial Transport from a Business Point of View	Sir W. S. Brancker	June, 1920
Civil Aviation	Sir F. H. Sykes	November, 1920
The Cost of Transport by Land, Sea and Air	Lord Montagu of Beaulieu	April, 1921
The Requirements and Difficulties of Air Transport	F. Searle	January, 1922
Aerodynamical Efficiency and Transport Costs	Louis Breguet	August, 1922
Aviation in South America	G. F. Luke	September, 1923
Some Aspects of Aeronautical Progress	Sir F. H. Sykes	December, 1923
The Practical Difficulties of Commercial Flying	F. T. Courtney	January, 1924
Fuel Economy in Flight	H. T. Tizard	October, 1924
Commonsense and Aeronautics	H. T. Tizard	November, 1924
The Lessons of Six Years' Experience in Air Transport	Sir Sefton Brancker	November, 1925
Air Surveys in Burma	Major C. K. Cochran-Patrick...	December, 1925
Aircraft Transport Economy	W. L. Cowley	March, 1926
Long Distance Flying	Sir Alan Cobham	August, 1926
A Flight of 33,000 Miles	Marchese de Pinedo	September, 1926
The Regulation of Air Traffic	Flight-Lieut. Cresswell Turner	May, 1927
Air Traffic in Germany	Major Martin Wronsky	July, 1927
The Problem of Noise in Civil Aircraft	W. S. Tucker	March, 1928
Experiences on the Cairo-Baghdad Air Mail	Captain R. M. Hill	May, 1928
By Flying Boat to India	Squadron Leader C. L. Scott, D.S.C.	September, 1929
Prospects of Civil Aviation in East Africa	F. Tymms, M.C., A.F.R.Ae.S.	November, 1929
Science in Relation to Regulating and Promoting Civil Aviation	Hon. W. P. MacCracken	December, 1929
German Commercial Air Transport	Major Martin Wronsky	October, 1930
The Technical Organisation of the Compagnie Generale Aeropostale	P. Grimault	November, 1930
Air Transport—Fog	F. W. Meredith, B.A.	February, 1931
Night Air Mails	Captain Carl Florman	June, 1931
Accidents in Civil Aviation	Captain A. G. Lamplugh, F.R.Ae.S., M.I.Ae.E.	February, 1932
Aerial Surveying in Northern Rhodesia	W. N. Roberts	June, 1932
The Organisation of Air Routes for Night Flying	R. Benkendorf	August, 1932
Airport Development	N. Norman, A.F.R.Ae.S.	January, 1933
The Amsterdam-Batavia Weekly Service	A. Plesman	July, 1933
Air Traffic Control	Major R. H. S. Mealing, A.R.Ae.S.I.	December, 1933
Method of Comparing the Performances of Commercial Aircraft	M. Langley, M.I.Ae.E.	June, 1934
Speed and the Economics of Air Transport	Major F. M. Green, F.R.Ae.S.	June, 1934
Problem of Landing Aircraft in Fog	Dr. R. Stüssel	October, 1934
Comparison of Aircraft	R. J. Moffett, A.F.R.Ae.S., A.M.I.Ae.E.	December, 1934
Aircraft Production Methods	W. G. Gibson, A.M.I.Ae.E., M.I.P.E.	January, 1935
Speeds of Commercial Aeroplanes	Louis Breguet	March, 1935
High Speed Aircraft Design, with special reference to the D.H. Comet	R. M. Clarkson, A.C.G.I., B.Sc., A.F.R.Ae.S.	March, 1935
Commercial Aircraft	Captain G. de Havilland, C.B.E., F.R.Ae.S.	October, 1935
The Developments and Reliability of the Modern Multi-Engine Air Liner	D. W. Douglas	November, 1935
Piloting Commercial Aircraft	Major H. G. Brackley, D.S.O., D.S.C.	February, 1936
Wireless and its Application to Commercial Aviation	Captain J. M. Furnival, M.B.E., A.F.R.Ae.S.	March, 1936

Design and Construction

Struts of Conical Taper	H. A. Webb & Miss E. D. Lang	April, 1919
Some Points in Aeroplane Design	F. S. Barnwell	June, 1919
Metal Construction of Aircraft	A. P. Thurston	September, 1919
The Large Aeroplane and Its Limitations	A. Ryan	October, 1919
Aircraft Undercarriages	J. D. North	February, 1920
Characteristics of Design Affecting Production, Operation and Maintenance	P. Bishop	April, 1920

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An Empirical Formula for Aeroplane Strength	A. J. Sutton Pippard	April, 1920
Safety in Flight	R. K. Bagnall-Wild	August, 1920
Incidence Wires	Miss H. P. Hudson	September, 1920
Development of Giant Aircraft in Germany	Anon.	Feb. & Mar., 1921
The Handley Page Wing	F. Handley Page	June, 1921
The Design of Aeroplane Control Surfaces	H. B. Irving	October, 1921
Staggered Spar Sections	Miss H. P. Hudson	October, 1921
The Development of the Fighting Aeroplane	F. M. Green	February, 1922
Specialised Aircraft	W. D. Beatty	March, 1922
The Design of a Commercial Aeroplane	G. de Havilland	July, 1922
Stability Calculations in the Process of Design	J. D. North	October, 1922
The Case for Metal Construction	J. D. North	January, 1923
Estimation of Weight of Aeroplane Parts	E. P. Warner	January, 1923
Two-Dimensional Aerofoil Theory	Muriel Glauert	July, 1923
Aeronautic Research and Aircraft Design	J. S. Ames	August, 1923
Metal Aeroplane Construction	Hugo Junkers	September, 1923
Control of Aeroplanes at Low Speeds	B. Melvill Jones	October, 1923
Design of Marine Aircraft in Relation to Sea-worthiness	D. F. Lucking	November, 1923
The Effect of Variable Gearing on Performance	Annie D. Betts	November, 1923
The Development of High-Speed Aircraft	E. H. Mayo	March, 1924
Large All-Metal Seaplanes	A. Rohrbach	December, 1924
Some Notes on the Design of Commercial Aircraft from the Operational Point of View	Major R. H. Mayo	May, 1927
Aeroplane Controls: Faults and Diagnosis	W. G. Gibson	March, 1927
Schneider Trophy Machine Design	R. J. Mitchell	September, 1928
Monoplane or Biplane	W. S. Farren	July, 1929
Undercarriage Developments	G. H. Dowty, A.F.R.Ae.S., M.I.Ae.E.	February, 1930
Certificates of Airworthiness	H. B. Howard, B.A., B.Sc., A.F.R.Ae.S.	May, 1930
Elements of Detail Design	F. Radcliffe, B.Sc., A.M.I.A.E., A.R.Ae.S.I.	November, 1930
Wheel Brakes and Undercarriages	S. Scott-Hall	May, 1932
Wing Construction	H. J. Stieger	October, 1932
Some Notes on the Design of Aeroplane Control Surfaces and Control Systems	W. F. Dowsett	November, 1932
Aeroplane Covers and Wheels	F. Fellowes	February, 1933
Note on the Application of Berry Functions to the Determination of Initial Stress	W. E. Dumbrill, F.R.Ae.S.	April, 1933
The Nature of the Torsional Stability of a Monocoque Fuselage	K. Sezawa	May, 1933
Duralumin Applied to Aircraft Construction	W. H. Lewis, A.F.R.Ae.S.	August, 1933
The Strength of Aeroplane Wing Spars with End Load Varying on Any One Bay	Captain J. Morris, A.F.R.Ae.S. Squadron Leader A. Ferrier, A.F.R.Ae.S.	June, 1934
Winter Landing Gear	H. J. Pollard, A.F.R.Ae.S.	June, 1934
Some Developments in Aircraft Construction	Sir E. W. Petter, M.I.Mech.E.	July, 1934
The Trend of Development in Military Aircraft		February, 1935
The Aerodynamic Characteristics of Aircraft Skis and the Development of an Improved Design	J. J. Green and G. J. Klein	August, 1935
Transversely Loaded Framework Members	N. J. Hoff	August, 1935
Some Notes on Aircraft Possibilities	Captain F. S. Barnwell, B.Sc., O.B.E., A.F.C., F.R.Ae.S.	March, 1936
Retractable Undercarriages	G. H. Dowty, M.I.Ae.E., A.F.R.Ae.S.	April, 1936
Notes on the Strength of Stressed Skin Fuselages	G. F. Wallace, A.F.R.Ae.S.	April, 1936

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Possible Lines of Development in Aircraft Engines	H. R. Ricardo	March, 1921
The Instalment of an Aeroplane Engine	A. J. Rowledge	March, 1921
The Effect of Atmospheric Pressure and Temperature upon Performance	E. G. Ritchie	August, 1921
Engine Installation	R. K. Bagnall-Wild	April, 1922
Special Light-Weight Aero Engines	A. E. L. Chorlton	April, 1922
The Importance of Low Weight and Low Fuel Consumption	A. J. Rowledge	August, 1922
The Stability of Aero Engines	J. Morris	April, 1923
The Thermodynamics of Aircraft Engines	H. R. Ricardo	February, 1924
Radial Air-Cooled Engines	A. H. R. Fedden	April, 1924
Fuel Economy in Flight	H. T. Tizard	October, 1924
Reliability of Aircraft Engines	J. D. Siddeley	March, 1925
Light Aeroplane Engine Development	Lieut.-Col. L. F. R. Fell	April, 1925
The Evaporative Cooling of Aero Engines and the Condensation of Exhaust Gas for Water Recovery	T. R. Cave-Browne-Cave	January, 1926
Installation Problems of Radial Air-Cooled Engines	A. H. R. Fedden	January, 1926
Modern American Aircraft Development	Charles L. Lawrence	July, 1926
Supercharged Aero Engines	P. F. R. Pierce	October, 1926
Aero Engine Fuels of To-day and To-morrow	Colonel The Master of Sempill, A.F.C., A.F.R.Ae.S.	December, 1926
Dynamic Forces in Aircraft Engines	Major B. C. Carter	April, 1927
The Articulated Connecting Rod	E. J. Fearn	February, 1927
The Articulated Connecting Rod—An Alternative Method for Finding Accelerations	W. S. Farren	March, 1927
The Effect of Reduced Intake-Air Pressure and of Hydrogen on the Performance of a Solid-Injector Oil Engine	G. F. Mucklow, M.Sc.	January, 1927
The Supercharging of Aircraft and Motor-Vehicle Engines	A. H. R. Fedden	October, 1927
Magnetos	A. P. Young	August, 1927
Water-Cooled Aero Engines	A. A. Rubbra	January, 1928

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High-Speed Compression-Ignition Engine Research	H. B. Taylor	July, 1928
Schneider Trophy Engine Design	Captain G. S. Wilkinson	September, 1928
Repair of Aero Engines	Wing-Comdr. I. G. V. Fowler	November, 1928
Air-Cooled Engines in Service	A. H. R. Fedden	April, 1929
Aero Engines in Flight	R. J. Penn	May, 1929
Cirrus Mark III.	A. N. Caple	May, 1929
Engine Performance Testing	Wing-Commander G. B. Hynes, D.S.O., R.A.F.	August, 1929
The Lubrication of Aircraft Engines	F. A. Foord, A.F.R.Ae.S.	December, 1929
Fuels and Dopes for Aircraft Engines	Dr. A. E. Dunstan and Dr. F. B. Thole	April, 1930
Water-Cooled Aero Engines (Six Years' Progress)	A. J. Rowledge	July, 1930
The Resistance of Air-Cooled Engines	Major F. M. Green, O.B.E., M.Inst.C.E., F.R.Ae.S.	October, 1930
The Townend Ring	H. C. H. Townend, B.Sc., A.F.R.Ae.S.	October, 1930
The Development and Progress of the Aero Engine	H. R. Ricardo, F.R.S., F.R.Ae.S.	December, 1930
Recent Developments in Engine Cooling	Captain Andrew Swan	March, 1931
The Origin and Development of Heavy-Oil Aero Engines	D. R. Pye, M.A., F.R.Ae.S.	April, 1931
Fuel and Modern Methods of Testing	H. C. Tett	July, 1931
Injection, Ignition, and Combustion in High-speed Heavy Oil Engines	S. J. Davies, Ph.D., M.Sc., and E. Giffen, M.Sc.	October, 1931
The Turbo-Compressor and the Supercharging of Aero Engines	Flying Officer F. Whittle	November, 1931
Fuels for Aircraft Engines	F. R. Banks, A.F.R.Ae.S.	February, 1932
The Critical Diameter of the Carburettor Choke in Supercharged Engines	E. J. Fearn	May, 1932
Some Problems connected with High-Speed Com- pression-Ignition Engine Development	C. B. Dicksee	September, 1932
Aero Engine Accessories	W. L. Taylor	October, 1932
Some Notes and Observations on Petrol and Diesel Engines	H. R. Ricardo, F.R.Ae.S.	June, 1933
Some Notes on the Pressure Piping Effects on Fuel Injection	C. W. Lawson, B.Sc.	August, 1933
Engine Cooling Research	R. McKinnon Wood, F.R.Ae.S.	September, 1933
The Compression Ignition Engine as the Rival of the Petrol Engine	C. B. Dicksee	January, 1934
Possible Future Developments of Air-Cooled Aero Engines	A. H. R. Fedden, F.R.Ae.S.	March, 1934
Ethyl: Some Information on the Use and Advan- tages gained by the Employment of Tetraethyl Lead in Fuels for Aviation Engines	F. Rodwell Banks, F.R.Ae.S.	April, 1934
Engine Cowling with Special Reference to the Air- Cooled Engine	J. D. North, F.R.Ae.S., M.I.Ae.E.	July, 1934
The Cowling and Cooling of Radial Air-Cooled Aircraft Engines	R. B. Beisel, A. L. MacClain and F. M. Thomas	July, 1934
Causes of Detonation in Petrol and Diesel Engines	G. D. Boerlage and Dr. J. D. Van Dyck	December, 1934
The Thurston Rotor Cowl for Air-Cooled Engines. A new Method for Cooling and Reducing Head Resistance	A. P. Thurston, D.Sc., F.R.Ae.S.	May, 1935
Liquid-Cooled Engines—Design and Application to High-Speed and other Aircraft	Captain A. G. Forsyth	June, 1935
Ice Formation in Carburettors	W. C. Clothier, M.Sc., Wh.Sch., A.M.I.Mech.E.	September, 1935
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Cooling Problems, with Particular Reference to the Work of the 24ft. R.A.E. Tunnel	G. P. Douglas, M.C., D.Sc., A.F.R.Ae.S.	February, 1936

Gliners and Light Aeroplanes

Gliders and Light Planes	A. Ogilvie	November, 1923
Gliders: Their History and Uses	W. H. Sayers	May, 1924
The R.Ae.C. Light Aeroplane Competitions	J. S. Buchanan	December, 1924
Some Considerations in the Design of a Light Aeroplane	Flight Lieut. N. Comper	May, 1925
Notes on the Flying Qualities of the Light Aero- plane compared with Larger Types	Squadron Leader R. A. de H. Haig	September, 1925
By Light Aeroplane to India	Captain T. M. Stack	October, 1927
Flying and Maintenance from the Owner's Point of View	Squadron-Leader N. M. Probyn	February, 1930
Ten Years' Gliding and Soaring in Germany	Dr. W. Georgii	September, 1930
The Meteorological Aspects of Gliding and Soaring Flight	Captain F. Entwistle, B.Sc.	June, 1931
The Development, Design, and Construction of Gliders and Sailplanes	A. Lippisch	July, 1931
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The Problem of the Helicopter	L. Damblanc	January, 1921
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Air Travel, with Special Reference to Helicopters	F. M. Green	July, 1923
The Development of the Autogyro	Senor de la Cierva	January, 1926

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The Theory of the Autogyro	H. Glauert, M.A., F.R.Ae.S. ...	June, 1927
The Helicogyre	M. Isacco	July, 1929
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Modern Developments of the Helicopter	Capt. R. N. Lipprot, A.F.R.Ae.S. ...	July, 1931
Wing Beats, III	J. D. Batten	February, 1933
The Case for Vertical Flight	H. H. Platt	June, 1934
The Autogyro Rotor as a Sail	Lt.-Col. J. T. C. Moore-Brabazon, F.R.Ae.S., M.C., M.P. ...	September, 1934
New Developments of the Autogiro	Senor Juan de la Cierva, F.R.Ae.S.	December, 1935

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The Langley Machine & the Hammondsport Trials	Griffith Brewer	December, 1921
The Work of S. P. Langley	L. Bairstow	November, 1922
Leonardo da Vinci as a Pioneer of Aviation	I. B. Hart	May, 1923
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An Echo of the 1868 Exhibition	W. O. Manning, F.R.Ae.S. ...	March, 1933
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Fifty Years Ago	W. O. Manning, F.R.Ae.S. ...	January, 1934
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Air Navigation	H. E. Wimperis	August, 1919
The Static Head Turn Indicator for Aeroplanes	Sir Horace Darwin	December, 1919
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Steels Used in Aero Work	W. H. Hatfield	July-Sept., 1917 (Reprinted Octo- ber, 1925)
Shop Practice in Respect to Aircraft Steel	H. P. Philpot	March, 1919
Fabric and Dope	F. W. Aston	May, 1919
Metal Construction of Aircraft	A. P. Thurston	September, 1919
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Manufacture and Use of Light Alloys	W. C. Devereux, A.F.R.Ae.S.	February, 1933
The Structure of Timbers in Relation to their Uses Light Alloys for Aeronautical Purposes, with Special Reference to Magnesium	F. W. Jaze, B.Sc.	January, 1934
The Corrosion and Protection of Magnesium and its Light Alloys	L. Aitchison, B.Sc.	May, 1934
Ferrous Metallurgy in Relation to Aircraft	G. D. Bengough, D.Sc., and L. Whitby, M.Sc.	May, 1934
A Research into Tests for Materials used in Cold Pressing Operations, with special reference to the Fluid-Pressure Cupping Test	Dr. W. H. Hatfield	July, 1935
Cold Pressing and Drawing—The Metallurgical Aspect	H. J. Gough, M.B.E., D.Sc., F.R.S., and G. A. Hankins, D.Sc.	November, 1935
New Researches on the Drawing of Cylindrical Shells	C. H. Desch, D.Sc., F.R.S.	November, 1935
The Corrosion of Elektron Alloy AM503 by Leaded Fuels	Dr. Ing. G. Sachs	November, 1935
The Theory of Alloy Structures	G. D. Bengough, M.A., D.Sc., and L. Whitby, Ph.D., M.Sc., A.I.C.	December, 1935
	Professor W. L. Bragg, O.B.E., M.A., Sc.D., F.R.S.	June, 1936

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Medical Aspects of Aviation	L. E. Stamm	January, 1919
Some Physical and Psychological Effects of Altitudes	C. A. Swan	January, 1920
The Human Machine in Relation to Flying	Martin Flack	December, 1920
Some Medical Aspects of Air Transport	C. B. Heald	June, 1925
Man and the Machine	Group-Captain Martin Flack, C.B.E., M.B., M.A.	May, 1927
Preventive Medicine in its Relation to Aviation	E. Goodwin Rawlinson	April, 1932
The Physiological Limitations of Flying	Wing Comdr. G. S. Marshall	May, 1933

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The Supply of Meteorological Information	H. G. Lyons	July, 1919
The Meteorology of the English Channel	H. D. Grant	January, 1921
Meteorology in the Service of Aviation	G. Dobson	May, 1921
The Effect of Temperature and Altitude of Aero- drones on the Taking-Off of Aeroplanes	P. G. Gundry	June, 1921
The Effect of Meteorological Conditions on Aircraft Thunderstorms and Aviation	G. H. Scott & V. C. Richmond Dr. G. C. Simpson	March, 1924 January, 1925
The Beneficence of Atmospherics	R. A. Watson Watt	February, 1925
Fog	Captain F. Entwistle	May, 1928
Some Notes on Temperature Gradients in Iraq	E. J. D. Townesend, B.A., A.F.R.Ae.S.	October, 1928
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Meteorology of India	J. H. Field, M.A.	August, 1934
Turbulence near the Ground	Wilhelm Schmidt	May, 1935
The Prevention of Ice Accretion	B. Lockspeiser, M.A.	January, 1936

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The Rigging of Aeroplanes	R. J. Goodman Crouch	April, 1919
Some Kite-Balloon Experiments	Griffith Brewer	January, 1920
Aircraft versus Submarines	L. H. Strain	April, 1921
Ground Engineering	H. W. S. Outram	May, 1921
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The Problem of Flapping Flight	H. Chatley	September, 1921
Aeroplanes in Tropical Countries	H. R. M. Brooke-Popham	November, 1921
Notes on the Storage of Aircraft	P. V. Hoare	June & July, 1922
Radiological Inspection Work	V. E. Pullin	September, 1922
Some Technical Aspects of Aviation in Canada	E. W. Stedman	September, 1922
The Present Position of Aerial Photographic Survey	H. H. Thomas	July, 1924
Sound Reception	W. S. Tucker	August, 1924
The British Aviation Mission to the Imperial Japanese Navy	The Master of Sempill	September, 1924
Further Notes on Aviation in Canada	E. W. Stedman	September, 1924
The Flight of Birds	Colonel Fullerton	October, 1925
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The Schneider Trophy Race, 1925	Major J. S. Buchanan	July, 1926
Relationship of Physics to Aeronautical Research	H. E. Wimperis	November, 1926
The Training of Aircraft Apprentices	Wing-Commander C. D. Breeze, A.F.C.	March, 1927
Aeronautics	General A. Guidoni	May, 1927
Erection and Rigging of Aeroplanes	W. G. Gibson	August, 1927
Polar Exploration and Survey by Air Parachutes	S. Scott Hall, D.I.S., A.F.R.Ae.S. Flight-Lieut. F. O. Soden	September, 1927 October, 1927
Aligning and Checking of Components	R. C. Taylor	November, 1927
The Flapping Flight of Birds	Professor Sir Gilbert T. Walker, C.S.I., Sc.D., F.R.S.	April, 1927
Safety Devices for Aircraft	M. L. Bramson	April, 1928
Ground Transport for an Air Organisation	Flt.-Lt. R. E. H. Allen	July, 1928
The Alignment and Inspection of Components Arctic Flights	R. C. Taylor	August, 1928
The Technical Development of the Aeroplane	Sir G. H. Wilkins	October, 1928
The Immediate Aims of Aeronautical Research	J. D. North	January, 1929
Some Aspects of the Production Problem in Air- craft	H. E. Wimperis	January, 1929
	F. Sigrist	March, 1929

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Weight of Aircraft	T. M. Barlow	April, 1929
Notes on the Aeronautical Show, Chicago, Dec., 1928	F. S. Barnwell	May, 1929
An Historical Survey of Italian Aeronautics	R. Giacomelli, A.F.R.Ae.S.	October, 1929
My Flight to Australia	Sq.-Leader J. H. L. B. Hinkler, A.F.C., D.S.M., R.A.A.F.	November, 1929
Air Photography Surveys	J. Durward, F.R.G.S., F.R.P.S., A.F.R.Ae.S.	April, 1930
Some Technical Notes on Canadian Aviation	Sq.-Leader D. C. M. Hume, R.C.A.F.	May, 1930
Jet Propulsion for Aircraft	E. G. Richardson, B.A., Ph.D., D.Sc., A.F.R.Ae.S.	January, 1931
The Method of Least Work and the Stressing of Aeroplane Structures	F. G. Evans, B.Sc.	July, 1931
Noise	A. H. Davis, D.Sc.	August, 1931
The Development of Aircraft Manufacture	Glenn L. Martin, F.R.Ae.S.	October, 1931
Safety Devices in Wings of Birds	Lt.-Comdr. R. R. Graham, R.N.	January, 1932
Aircraft and the Fire Problem	R. A. Denne	May, 1932
Catapults and Catapulting of Aeroplanes	P. Salmon	September, 1932
An Engineer's Conception of Matter and its Application to Materials of Construction	E. W. Stedman	October, 1932
How Insects Fly	R. E. Snodgrass	February, 1933
Air Survey	J. S. A. Salt	March, 1933
Aerial Survey in Relation to Economic Geology	D. Gill	March, 1933
Surging in Helical Valve Springs	J. Dick, B.Sc.	July, 1933
Principles of Rocket Propulsion	H. Chatley, A.F.R.Ae.S.	August, 1933
Aircraft in Relation to Petroleum Technology: Use for Survey and Transport	H. Hemming, F.R.Ae.S.	October, 1933
Development of Aviation Lighting	Major R. H. S. Mealing, A.R.Ae.S.I.	August, 1934
Houston-Everest Flight	Air Comdr. P. F. M. Fellowes, D.S.O.	August, 1934
Silent Flight of Owls	R. R. Graham	October, 1934
The Training of an Aeronautical Engineer	Professor A. J. Sutton Pippard, M.B.E., D.Sc., M.Inst.C.E., F.R.Ae.S.	February, 1935
How to Obtain an Aero Patent	An Honorary Fellow	March, 1935
On a Simple Method for Solving Simultaneous Linear Equations by a Successive Approximation Process	J. Morris, B.A.	April, 1935
The Stressing of Rigid-Jointed Frames	Captain J. Morris, B.A.	June, 1935

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Flying Over Clouds and Commercial Aeronautics... ..	B. Melvill Jones	May, 1920
A Comparison of the Flying Qualities of Single and Twin-Engined Aeroplanes	R. M. Hill	December, 1920
The Technique of Flight	R. M. Hill	May & June, 1921
The Manoeuvres of Getting Off and Landing	R. M. Hill	October, 1921
Methods of Aeroplane Flying Instruction	C. F. A. Portal	May, 1922
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Landing Aeroplanes in Fog	Flight-Lieut. H. Cooch	June, 1926
Experimental Flying from the Pilot's Point of View	R. L. Raggs	November, 1926
Performance Testing and Analysis	R. S. Capon	February, 1927
The Practical Side of Performance Testing of Aircraft	Squadron-Leader T. H. England	January, 1928
The Reduction of Performance Tests	H. L. Stevens	November, 1928
Experimental Test Flying	C. F. Uwins	May, 1929
Range of Aircraft	C. R. Fairey, M.B.E., F.R.Ae.S.	March, 1930
The Art of Flying Landplanes and Seaplanes	Captain N. MacMillan, A.F.C., A.F.R.Ae.S.	April, 1930
High Speed Flying	H. E. Wimperis, C.B., C.B.E., F.R.Ae.S.	November, 1931
The Refuelling of Aircraft in Flight	J. H. B. Larrard, A.F.R.Ae.S.	December, 1931
Some Factors Affecting the Range of Aircraft with Special Reference to Height	A. E. Woodward-Nutt and A. F. Scroggs	August, 1932
Training of Pilots and Instructors	Air Cmdr. J. E. A. Baldwin	November, 1932
Civil Primary Training	Major H. G. Travers, D.S.C.	April, 1933
Training the Airplane Pilot	Col. F. P. Lahm	November, 1933
A New Method for Calculating the Climbing Speeds of Aeroplanes of Great Climbing Capacity	Captain G. Otten	February, 1935
Engineering Problems in Aircraft Operation at High Altitudes	R. E. Johnson and R. F. Gagg	April, 1935

Research and Experiment

Full-Scale Aeroplane Experiments	W. S. Farren	February, 1919
From Model to Full-Scale in Aeronautics	H. Levy	June, 1919
The Work of the Advisory Committee for Aeronautics	Sir R. T. Glazebrook	September, 1920
Scientific Methods in Aeronautics	G. I. Taylor	September, 1921
Standardised Stability Terms	Aeronautical Research Committee	November, 1921
The Importance of Research in Aeronautics	Council of the R.Ae.S.	February, 1922
Performance Testing of Aircraft	T. M. Barlow	May, 1922
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On Research and Other Matters	S. Heckstall Smith	August, 1922
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The Work of S. P. Langley	L. Baird	November, 1922
The Co-Relation of Model and Full-Scale Work	R. McK. Wood	December, 1922
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Wind Channel Experiments on a Pariah Kite	W. L. Le Page	March, 1923

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Theoretical Relationships for Lift and Drag of Aerofoils	H. Glauert	October, 1923
The Vortex Pair Quickly Formed by Some Aerofoils	N. A. V. Piercy	October, 1923
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Some Aspects of Aeronautical Progress	Sir F. H. Sykes	December, 1923
The Work of the A.R.C.'s Panel on Scale Effect	W. S. Farren	August, 1924
The Case for the Revival of the Water Channel	N. S. Norway	November, 1924
The Use of the Wind Channel to Aircraft Designers		February, 1925
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The Tailless Aeroplane	Capt. G. T. R. Hill	September, 1926
Research on Channel Wall Interference	J. H. Parkin, B.A.Sc.	December, 1927
Recent Model Experiments in Aerodynamics	E. G. Richardson, M.Sc., Ph.D.	September, 1927
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French Wind Tunnel Methods	R. K. Pierson	October, 1929
Aeronautical Research in Sweden	Mons. A. Lapresle	October, 1929
Recent Progress of Aeronautical Science in France	Tord K. Angström	October, 1929
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Aeronautical Research in Holland	H. E. Wimperis, C.B.E., M.A., F.R.Ae.S.	October, 1929
The New American Wind Tunnels	Dr. IR. H. J. Van der Maas	October, 1929
The Use of Small Wind Tunnels in Aeroplane Design	R. McKinnon Wood, O.B.E., M.A., F.R.Ae.S.	July, 1930
The Primary Importance of Mechanical Testing in Aircraft Construction	H. Glauert, M.A., F.R.S., F.R.Ae.S.	March, 1931
Research Work of the D.V.L.	I. J. Gerard, M.Sc., Assoc.M. Inst.C.E., A.F.R.Ae.S.	July, 1931
Aircraft Vibration	Wilh. Hoff	September, 1931
The Use of Models in Research and Design	H. Constant, M.A., A.F.R.Ae.S.	March, 1932
New Methods of Research in Aeronautics	R. McKinnon Wood, F.R.Ae.S.	November, 1932
Researches into the Theory of the Townend Ring	H. E. Wimperis, F.R.Ae.S.	December, 1932
Thirty Years of Theoretical and Experimental Research in Fluid Mechanics	Captain D. G. Otten	November, 1934
Thirty Years of Theoretical and Experimental Research in Fluid Mechanics—Continued	D. P. Riabouchinsky, D.Sc.	April, 1935
Research in the R.A.E. Tank	D. P. Riabouchinsky, D.Sc.	May, 1935
Test Reports of the Aeronautical Laboratory of the R. Istituto Superiore Di Ingegneria of Turin	L. P. Coombes, B.Sc., A.C.G.I.	September, 1935
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Seaplanes and Flying Boats

Naval Architecture in Aeronautics	J. C. Hunsaker	July, 1920
Notes on Flying Boat Hulls	F. Linton Hope	August, 1920
Flying Boat Construction	David Nicolson	August, 1921
Design, Construction & Operation of Flying Boats	J. D. Rennie	April, 1923
Ten Years' Testing of Modal Seaplanes	G. S. Baker	May, 1923
The Practical Aspect of Seaplanes	T. R. Cave-Browne-Cave	June, 1923
Design of Marine Aircraft in Relation to Seaworthiness		November, 1923
The Launching of Aircraft from Ships	D. F. Lucking	November, 1923
Airmanship at Sea	L. J. Wackett	November, 1923
Large All-Metal Seaplanes	R. B. Maycock	July, 1924
The Operation of Flying Boats in the Mediterranean	A. Rohrbach	December, 1924
Recent Progress in Flying-Boat Design	Air Commodore C. R. Samson	March, 1925
Construction and Assembly of Float and Boat Seaplanes	O. E. Simmonds	December, 1925
Seaplane Development	V. S. Gaunt	March, 1927
Seaplanes: Fifteen Years of Naval Aviation	Major R. E. Penny	September, 1927
The Development of Torpedo Carrying Aircraft	General A. Guidoni	January, 1928
The Problem of the Long Range Flying Boat	Major F. A. Bumpus	March, 1928
The Equipment of Flying Boats	Major J. D. Rennie	April, 1928
Notes on a Family of Similar Flying Boats	Flt.-Lt. B. C. H. Cross	October, 1928
By Flying Boat to India	C. Dornier	December, 1928
Testing of Seaplanes and Flying Boats	Sq. Leader C. L. Scott, D.S.C.	September, 1929
Racing Seaplanes	L. P. Coombes, B.Sc.	February, 1930
Some Aspects of Seagoing Aircraft	F. Holroyd	May, 1930
Deck Flying	A. Gouge, B.Sc., F.R.Ae.S.	May, 1931
Some Notes on Flying Boats and Seaplanes	Sq. Leader W. R. D. Acland, D.F.C., A.F.C.	May, 1931
In a Flying Boat across the Greenland Ice Cap to U.S.A.	J. H. Lower, A.F.R.Ae.S.	June, 1931
The Hydrodynamics of Marine Aircraft	W. von Gronau	November, 1932
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