

Collection Number: MS-303

Title: Reports of the Advisory Committee for Aeronautics and the National Advisory for Aeronautics

Dates: 1916 – 1951 (Bulk 1916 – 1939)

Creator: Unknown

Abstract: The collection consists of technical reports and memoranda from the Advisory Committee on Aeronautic (ACA), also known as the National Advisory Committee for Aeronautics.

Quantity: 4.4 linear feet

Language: English

Repository: Special Collections and Archives, Paul Laurence Dunbar Library, Wright State University, Dayton, OH 45435-0001, (937) 775-2092

Restrictions on Access: None

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Acquisition: Purchased from Zita Books, NY, in 2000.

Revisions: Series III, National Advisory Committee for Aeronautics Technical Memorandums and Reports were added to the collection in November 2008.

Processed by: The initial processing of the collection was accomplished by Brett Stolle and Elaine Wallace in October 2001. The collection was reprocessed by John Armstrong in November 2008.

Arrangement: The collection is arranged in three series. The series are:

Series I: Advisory Committee for Aeronautics Reports and Memorandum

Series II: Aeronautical Research Committee Correspondence, Index and Report

Series III: National Advisory Committee for Aeronautics Technical Memorandums and Reports

Historical Note:

The Advisory Committee for Aeronautics (ACA), also known as the National Advisory Committee for Aeronautics, was a U.S. federal agency founded on March 3, 1915 to undertake, promote, and institutionalize aeronautical research. On October 1, 1958 the agency was dissolved, and its assets and personnel transferred to the newly created National Aeronautics and Space Administration (NASA).

NACA began as an emergency measure during World War I to promote industry, academic, and government coordination on war-related projects. It was modeled on similar national agencies found in Europe, but the most influential agency upon which the NACA was based was the British "Advisory committee for aeronautics".

In December 1912, President William Howard Taft had appointed a National Aerodynamical Laboratory Commission chaired by Robert S. Woodward, president of the Carnegie Institution of Washington. Legislation was introduced in both houses of Congress early in January 1913 to approve the commission, but when it came to a vote, the legislation was defeated.

Charles D. Walcott, secretary of the Smithsonian Institution, took up the effort, and in January 1915, Senator Benjamin R. Tillman, and House Representative Ernest W. Roberts, introduced identical resolutions recommending the creation of an advisory committee as outlined by Walcott. The purpose of the committee was "to supervise and direct the scientific study of the problems of flight with a view to their practical solution, and to determine the problems which should be experimentally attacked and to discuss their solution and their application to practical questions." Assistant Secretary of the Navy Franklin D. Roosevelt wrote that he "heartily [endorsed] the principle" on which the legislation was based. Walcott then suggested the tactic of adding the resolution to the Naval Appropriations Bill.

According to one source, "The enabling legislation for the NACA slipped through almost unnoticed as a rider attached to the Naval Appropriation Bill, on 3 March 1915." The committee of 12 people, all unpaid, was allocated a budget of \$5,000 per year.

President Woodrow Wilson signed it into law the same day, thus formally creating the Advisory Committee for Aeronautics.

From March 3, 1915 until October 1, 1958, the National Advisory Committee for Aeronautics (NACA) provided advice and carried out much of the cutting-edge research in aeronautics in the United States.

Scope and Content:

The collection consists of reports of the Advisory Council for Aeronautics, also known as the National Advisory Committee on Aeronautics. The collection is divided into three series.

Series I, Advisory Committee for Aeronautics Reports and Memoranda, consists of 441 reports that range in date from May 1916 to December 1927. The reports are arranged in numerical order with the report number indicated in the column beside the folder number, followed by the report title and author, if indicated. The first 118 reports were prepared during World War I. All

of the reports relate to aeronautical engineering.

Series II, Aeronautical Research Committee Correspondence, Index, and Report, is a very small series consisting of three folders. The folders contain the report for the year 1929-1930, a list of non-parliamentary publications, and a 1928 letter to the editor.

Series II, National Advisory Committee for Aeronautics Technical Memorandums and Reports, is a recent addition to the collection. This series spans a period from 1937 to 1951, with the bulk of the information spanning the period of 1937 to 1939. The series consists of three NACA reports on the performance of aircraft engines, ten NACA Technical Notes and Memorandums primarily about aircraft engine performance and power. All reports are arranged in numerical order, with the number immediately following the folder number. Finally, the series contains a 1949 "Index of NACA Technical Publications, 1915-1949," and a 1951 "Author Index to Index of NACA Technical Publications, 1915-1949."

Subject Terms: The following subjects are found in the collection.

Organizations/Corporate Names:

United States, National Advisory Committee for Aeronautics
United States, Advisory Committee for Aeronautics

Subjects:

Aeronautics – Research – United States
Aeronautics

Collection Inventory

SERIES I: ADVISORY COMMITTEE FOR AERONAUTICS REPORTS AND MEMORANDA, 1916-1927

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	2	247	Bryant, L.W., and H. Irving. Tests on two models of coquette kite balloons.	Nov. 1916
	3	248	Experiments on models of aeroplane wings.	May 1916
	4	250	Griffiths, E.A. and C.H. Powell. Forces and moments on triplanes.	July 1916.
	5	251	Tests on aeroplane bodies.	Aug. 1916

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	7	255	E.A. and C.H. Powell. Model test on fairing for chassis axle.	May 1916
	8	256	Wing forces on aeroplane struts and wires.	Jun. 1916
	9	259	Bairdow, L., A. Fage and H.E. Collins. The relation between the efficiency of a propeller and its speed of rotation.	May 1916
	10	261	Fage, A. and H.E. Collins. A windmill to drive a wireless set of power one kilowatt.	Oct. 1916
	11	262	Harris, R.G. Graphical solution of stability biquadratic.	Sep. 1916
	12	264	Fage, A. and H.E. Collins. Tests on five model airscrews and an experimental investigation of the interferences between these airscrews and a model of the end of the whirling arm at the Royal Aircraft factory.	Jun. 1916
	13	265	Relf, E.F. Test of a propeller with its axis of rotation at right angles to the wind direction.	Jul. 1916
	14	266	A method of measuring the speed of an aeroplane at a height.	Jul. 1916
	15	272	Taylor, G.I. Conditions at the surface of a hot body exposed to the wind.	May 1916
	16	275	Griffiths, E.A. Tests on high tension magnetos.	Aug. 1916
	17	277	Tests made at the national physical laboratory for the superintendent of aircraft construction on the strength of steel lugs used in connection with the forked ends of aeroplane wires.	May 1916
	18	279	Fage, A. and H.E. Collins. An investigation of the strength of two airscrews for F.E. 2B.	Oct. 1916
	19	280	The R.A.F. Chart.	Jul. 1916
	20	281	Effect of abnormal weather on aeroplane performance.	Jul. 1916
	21	282	Experiments on the possible rate at which a pilot can pull back the control column in an aeroplane.	Jul. 1916
	22	283	Landing run of R.A.F. aeroplanes. Effect of increasing angle of incidence of wings.	Aug. 1916
	23	285	Simmons, L.F.G., and W.L. Cowley. Report of the aerodynamic properties of seaplane floats. Part I. The blackburn float. Part II. The air department main float for the short seaplane.	Jan. 1917

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1	24	287	Taylor, G.I. Pressure distribution over the wing of an aeroplane in flight.	Oct. 1916
	25	289	The velocity of the wind in front of the wing tips of a biplane in flight.	Aug. 1916
	26	291	Barr, Guy. On dope softeners.	Oct. 1916
	27	293	Barr, Guy, and E.A. Owen. Note relative to the weight of hydrogen.	Jan. 1917
	28	295	Instruments.	May 1916
	29	300	Baker, G.S., and E.M. Keary. Experiments with models of seaplane floats. Eleventh Series. Parts I and II.	Nov. 1916
	30	301	Barr, Guy. On the testing of hydrogen for aeronautical purposes.	Dec. 1916
	31	303	Barr, Guy and L.L. Bircumshaw. Notes on cellulose acetate.	Jun. 1916- Nov. 1917
	32	327	Relf, E.F. The lateral stability of an aeroplane over the whole of its speed range.	Mar. 1917
	33	425	Baker, G.S. Model drogue experiments.	Apr. 1918
	34	435	Daynes, H.A. Further applications of the katharometer. With an investigation of some sources of error in the testing of fabrics.	Apr. 1918
	35	437	Baker G.S. Some notes on floats for seaplanes of the single float type.	May 1918
	36	438	Exploration of the airspeed in the airscrew slipstream of a tractor machine.	Nov. 1917
	37	442	Fage, A. and H.E. Collins. Dependence of the efficiency of an airscrew on the speed of rotation and the diameter, with a direct reference to the question of engine gearing.	May 1918
	38	443	Douglas, Wm. D. Strength test of main plane ribs. Method employed at the Royal Aircraft Establishment.	Apr. 1918
	39	444	Pinsent, D.H. Exploration of the slipstream velocity in a pusher machine.	Apr. 1918
	40	445	Pannell, J.R. and R. Jones. The design of a sensitive yawmeter	May 1918
	41	448	Fage, A. and Collins H.E. Windage experiments with a model of the rotary engine	May 1918
	42	450	Relf, E.F. An empirical method for the prediction of wing characteristics from model tests. Compiled from existing experimental data.	Jun. 1918
	43	455	Griffith, A, and B. Hague. Second report on the twisting of propeller blades.	Feb. 1918

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1	44	457	Frazer, R. A. and L. Simmons. Investigation of the forces and moments upon a complete model airship of Type S.S.Z., with an analysis of the effects of full and partial rigging.	Jul. 1918
	45	458	Fage, A. and H.E. Collins. An analysis of the mutual interference of aeroplane bodies and airscrews.	Jun. 1918
	46	460	Stanton, T., and Dorothy Marshall. On a method of estimating, from observations on the slipstream of an airscrew, the performance of the elements of the blades, and the total thrust of the screw.	Jun. 1918
	47	462	Pinsent, D.H. and H.A. Renwick. The variation of engine power with height.	Mar. 1918
	48	464	The behaviour of the slipstream on a phugoid oscillation.	Jul 1918
	49	465	Irving, H.B. Tests of a model of the "Weasel" aeroplane body.	Jun. 1918
	50	468	Griffith, A.A. Second order flexural stresses.	Jun. 1918
2	1	469	Searle, G. and Cullimore W. Report on measurement of accelerations on aeroplanes in flight.	Jun. 1918
	2	470	Glauert, H. The longitudinal control of an aeroplane.	May 1918
	3	471	The construction of the R.A.F. experimental variable pitch airscrew.	Apr. 1918
	4	472	Baker, G., and E. Keary. Experiments with models of flying boat hull. Sixteenth Series	Sep. 1918
	5	473	Baker, G., and E. Keary. Experiments with full-sized machines. First Series.	Sep. 1918
	6	474	Bairstow, L. and J. Coales. Notes on the prediction and analysis of aeroplane performance.	May 1918
	7	475	Stanton, T., and Dorothy Marshall. Note on the prediction of the distribution of thrust over airscrew blades.	Aug. 1918
	8	476	Douglas, Wm. D, and A. Clegg. Methods employed at the Royal Aircraft Establishment for the experimental determination of the ultimate strength of aeroplane structures.	Jun. 1918
	9	477	Berry, A. Report on the whirling of an airscrew shaft.	Aug. 1918
	10	478	Carroll, J. A. Model tests on alternative bodies for an armored aeroplane.	Jul. 1918

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	12	480	Mallock, A. Action of eater etc., on the length of threads.	Aug. 1918
	13	483	Baker, G., and E. Keary. Experiments with models of seaplane floats. Seventeenth Series Report.	Dec. 1918
	14	484	Cowley, W. and H. Levy. Critical loading of struts and structures. Part IV. On the strength of a strut of variable flexural rigidity.	Sep. 1918
	15	485	Cowley, W. and H. Levy. Critical loading of struts and structures. Part V. On the whirling of a shaft of variable flexural rigidity.	Sep. 1918
	16	487	Turner, A. J. Report on the tearing strength of fabrics and certain other materials.	Jul. 1918
	17	488	Berry, Arthur. On the vibrations of a uniform rod rotating uniformly about one end, which is encastr'e?	Sep. 1918
	18	490	Powell, C. H. Tests on Empson suction tube and wind gauge.	Apr. 1917
	19	491	Bryant, L. W. and H.B. Irving. Stress calculations on the S.E.5 aeroplane.	Apr. 1917
	20	493	Wood, R. and H.L. Stevens. The design of aeroplanes for use at great heights.	Apr. 1917
	21	496	Bryant, L.W. On the possible loading of the wings and body of an aeroplane in flight.	May 1917
	22	497	Rayleigh, Lord. On the suggested analogy between the conduction of heat and momentum during the turbulent motion of a fluid.	May 1917
	23	499	Shaw, Napier. A report on high angle practice to determine the wind at various heights for comparison with simultaneous determinations by pilot balloon ascents: Carried out at firing ground of H.M.S. "Excellent"	May 1917
	24	502	Fage, A. The whirling and transverse vibrations of a rotating airscrew and its shaft.	Jun. 1917
	25	504	Barr, Guy. Shakespeare permeameter for balloon fabrics.	Oct. 1918
	26	505	Glauert, H. Full scale stability experiments with R.A.F. 14 wing section.	Jun. 1917
	27	506	Barr, Guy and Wilson, Edith. Report on the properties of acetyl cellulose sheets for use on aeroplanes.	Mar. 1918

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2	28	507	Cave, J. P. Thunderstorms in the British Islands during January, February, and March 1917.	Jun. 1917
	29	510	Barling, W. H., and J.D. Pritchard. The influence of time on the breaking load and elasticity of spruce members of aeroplanes.	Feb. 1918
	30	511	Barr, Guy and Edith Wilson. Preliminary note on the relation between atmospheric humidity and the tensile strength of doped fabric.	Jul. 1917
	31	512	Irving, H. B. On a method of measuring rolling moments and aileron hinge moments on a model biplane.	Nov. 1918
	32	513	Porritt, B. D. Preliminary report on the variation of the hydrogen permeability of rubber membranes with alteration in temperature.	Aug. 1917
	33	514	Ramsbottom, J. E., and A.V. Newton. Report on protective varnishes for use on aeroplanes in hot climates. Part II. Experiments in sunlight.	Aug. 1917
	34	515	Relf, E. F. and T. Lavender. Tests on a complete model of R.E.8.	Aug. 1917
	35	519	Atkins, W. R., and L.J. Woodcock. The effect of atmospheric conditions upon the penetration of dope into fabric, and the weathering of unvarnished doped fabric in Egypt during summer.	Sep. 1917
	36	520	Stanton, T., et al. On the dissipation of heat from the surface on an air-cooled engine when running and when at rest.	Oct. 1917
	37	521	Flying as affected by the wind.	Nov. 1917
	38	522	Experiments on models of a "duplex" wind channel.	Nov. 1917
	39	525	Lindemann, F.A. Turn indicators for aeroplanes.	Dec. 1917
	40	527	Berry, Arthur. On the steady flight on an aeroplane, when the gradual loss of weight owing to the consumption of petrol is taken into account: with special reference to the minimum consumption of petrol,	Jan. 1918
	41	531	Variation of wind speed near the ground.	Mar. 1918
	42	532	Glauert, H. Full scale experiments with different shapes of tail plane.	Mar. 1918
	43	534	Lanchester, F.W. High altitude flying.	Mar. 1918
	44	535	Walker, E.G. Equilibrium on the M type Caquot balloon, based on the results of wind channel experiments given in the Advisory Committee's report.	Mar. 1918
	45	537	Pannell, J.R. A flight in Rigid Airship R.26.	May 1918

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2	46	539	Barr, Guy and Edith Wilson. Note on a possible economy of solvent in doping aeroplane wings.	May 1918
	47	540	Lanchester, F.W. Investigation on the efficiency of reverse rotating propellers in tandem.	May 1918
	48	541	Pannell, J.R., et al. Stability and resistance experiments on a model of Vickers Rigid Airship R.80.	Aug. 1918
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	50	543	Griffith, A. Report on some formulae for use in strut calculations.	Oct. 1918
3	1	544	The best gliding angle in space for an aeroplane in a wind, the engine being shut off.	Sep. 1918
	2	545	Griffith, A. The approximate solution of linear differential equations.	Oct. 1918
	3	546	Bryant, L.W. Forces and moments on a model of S.E.5. Yawed, rolled and pitched, in accordance with the instructions given in a letter from Controller, Technical Department, September 14, 1918.	Oct. 1918
	4	547	Resistance of an aeroplane, determined by glides with the propeller stopped.	Oct. 1918
	5	549	Relf, E.F., and T. Lavender. The auto-rotation of stalled aerofoils and its relation to the spinning speed of aeroplanes.	Oct. 1918
	6	550	Irving, H.B., E. Ower, and G. Hankins. An investigation of the aerodynamic properties of wing ailerons. Part I. -The effect of variation of plan form of wing tip, and of span of aileron.	Oct. 1918
	7	551	Morris, J. The bending, vibrating and whirling of loaded shafts.	Oct. 1918
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	9	554	McLeod, A. R. On the action of wind on flexible cables, with applications to cables towed below aeroplanes, and balloon cables.	Oct. 1918
	10	555	Bryan, G. H. The effect of compressibility on stream line motions.	Dec. 1918
	11	556	Fage, A. A description of a hot-wire anemometer which is sensitive over a large range of wind speed.	Nov. 1918
	12	557	Irving, H. B. and E. Ower. Comparative tests of a biplane of R.A.F. 15 wing section when fitted with wing tips of four different types.	Nov. 1918

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	16	562	Naylor, J.L. and E.A. Griffiths. Experiments on aerofoils suitable for a high speed range.	Jun. 1918
	17	563	Fage, A., et al. Description of apparatus for measurement in a wind tunnel of the performance of an airscrew or the windage torque of a rotary engine.	Jul. 1918
	18	564	Pannell, J.R. et al. Experiments in a wind channel on elongated bodies of approximately streamline form. Part I. Evaluation of the error in resistance measurements due to the variation of pressure along the longitudinal axis of the channel.	Dec. 1918
	19	565	Fage, A., and R.G. Howard. An experimental investigation of the nature of the airflow around an airscrew, in order to determine the extent to which the airflow assumed in the momentum theory of Froude is realized in practice.	Dec. 1919
	20	566	Cowley, W.L., and H. Levy. Critical loading of struts and structures. Part VI. Effect upon vibration and strength of a strut or spar due to variation along the bay of longitudinal thrust, flexural rigidity and mass per unit length.	Nov. 1918
	21	567	Tests of swiveling pressure heads.	Oct. 1918
	22	568	Mardles, E.W.J. Preliminary report on the study of solvents of cellulose esters.	Dec. 1918
	23	569	Aston, F.W. Report on the measurement of tautness of doped fabric.	Dec. 1918
	24	570	Cave-Browne-Cave, B.M. Calculation of the periods and damping factors of aeroplane oscillations.	Feb. 1919
	25	571	Simmons, L.F., and E. Ower. Tests with two model monoplanes of the Woyevodsky.	Jan. 1919
	26	572	Fage, A., and G. Hankins. Investigation of the mutual interference of two model airscrews.	Jan. 1919
	27	573	Barry, Guy. Inflammability of doped fabrics.	Jan. 1919

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	30	576	Glauert, H. Analysis of phugoids obtained by a recording airspeed indicator.	Jan. 1919
	31	577	Betts, A.D., and H. Mettam. Empirical formulae for a variable pitch airscrew.	Feb. 1919
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	43	592	Report on accidents to certain aeroplanes with special reference to spinning.	Dec. 1918
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	47	596	Lynam, E. Preliminary report of experiments on a high tip-speed airscrew at zero advance.	Mar. 1919
	48	597	Relf, E., and T. Lavender. The effect of up-wind disturbances in the air current of a wind channel.	Feb. 1919

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	50	599	Powell, C.H. Resistance of inclined struts.	Mar. 1919
4	1	600	Jones, M.A., and D.H. Williams. The distribution of pressure over the surface of Airship Model U.721 - Together with the comparison of the pressure over a spheroid.	Apr. 1919
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	3	603	Director of Research. Gliding tests of a modified S.E.5 aeroplane.	Apr. 1919
	4	604	Taylor, G.I. Skin friction on a flat surface.	Dec. 1918
	5	605	Fage, A. et al. Some further experiments on tandem airscrews.	Nov. 1918
	6	606	Ramsbotttom, D.S., and H.A. Thomas. Report on the pigmentation of dopes.	Jul. 1918
	7	607	Pannell, J.R., and R. Jones. Experiments in a wind channel on elongated bodies of approximately streamline form. Part II. The effect of form on resistance.	Mar. 1919
	8	608	Coales, J.D. Reduction of aeroplane trails for the purpose of aerodynamic comparison and prediction.	Sep. 1918
	9	609	Webb, A. The decay of eddies.	May 1919
	10	610	Dobson, G.M.B. Errors of the readings of altimeters and airspeed indicators of temperature of the air.	May 1919
	11	612	Cowley, W.L., and H. Levy. On the effects of accelerations on the resistance of the body.	May 1918
	12	615	Irving, H.B., and E. Ower. An investigation of the aerodynamic properties of wing ailerons. Part II. The effect of variation of chord of aileron. The effect of 'wash out' ailerons...	Jun. 1919
	13	616	Bryant, L.W., and H.B. Irving. Apparatus for the measurement on a complete model aeroplane.	Jun. 1919
	14	617	Reports on the behaviour of aeroplanes When flying inverted, with special reference to some accidents on "A".	Jan. 1919
	15	618	Glauert, H. The investigation of the spin of an aeroplane.	Jun. 1919
	16	620	Wood, M.K., and H. Glauert. Preliminary investigations of multiplane interference applied to propeller theory.	Jul. 1918
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	19	623	Lamb, Horace. The inertia-coefficients of an ellipsoid moving in fluid.	Oct. 1918
	20	624	Lynham, E.J., H.A. Webb. The emission of sound by airscrews.	Mar. 1919
	21	625	Cowley, W.L., and H. Levy. Tests on two Bristol aerofoils.	Mar. 1919
	22	626	Webb, H.A., and Lorna M Swain. Vibration speeds of airscrew blades.	May 1919
	23	627	Searle, G.F.C. Notes on the design of a recording three-dimensional accelerometer for use in aeroplanes.	Jun. 1919
	24	629	The longitudinal stability of "X" aeroplanes.	Dec. 1918
	25	630	Smith, G.L. Note on recording meteorological instrument for kite balloon or kite.	Mar. 1919
	26	631	Stanton, T.E. Note on the determination of the skin friction of a flat surface from the changes in head of the fluid passing over it.	Feb. 1919
	27	632	Glauert, H. The longitudinal control of "X" aeroplanes.	Jan. 1919
	28	633	Cowley, W.L. and H. Levy. Effect of roughening the surface of an aerofoil.	Aug. 1919
	29	634	Piercy, N.A.V. On the flow in the rear of a tri-plane at small angles of incidence.	Jul. 1919
	30	635	Barr, Guy and Isabel Hadfield. The effect of minimal amounts of acid on the strength of cotton and linen.	Jul. 1918
	31	636	Gates, S.B. Control as a criterion of longitudinal stability.	Jun. 1919
	32	637	Glauert, H. The economical conditions for long flight.	Jun. 1919
	33	638	Glauert, H. The longitudinal stability of an aeroplane.	Sep. 1919
	34	639	Wood, R. et al. Multiplane interference applied to airscrew theory.	Sep. 1919
	35	640	Bryan, G.H. The effect of compressibility on high speed stream line motions.	Apr. 1919
	36	641	Maximum control of elevators of different sizes.	Jun. 1919
	37	642	Glauert, H. The stability derivatives of an airscrew.	Oct. 1919
	38	644	Bradfield, F.B. Wind channel test of Bristol Pullman body.	Dec. 1919

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4	39	645	Pippard, A.J.S. The effect of a variation in load factor upon the structural weight and performance of an aeroplane.	Nov. 1919
	40	646	Pannell, J.R. and R. Jones. Resistance experiments on four models of proposed non-rigid airship envelopes.	Oct. 1918
	41	647	Bramwell, F.H. An approximate method of comparison of the relative merits of various aerofoil sections.	Oct. 1919
	42	648	Carroll, J.A., and F.B. Bradfield. Model tests of R.A.F. 19 wing section as a biplane.	Dec. 1919
	43	649	Ower, E., and H. Bateman. Tests on a model of the Woyevodsky type VII monoplane.	Dec. 1919
	44	650	Reports and memoranda of the Advisory Committee published on or before March 31st, 1920.	Jan. 1920
	45	651	Irving, H.B. and E. Ower. An investigation of the aerodynamic properties of wing ailerons. Part III. The balancing of ailerons.	Nov. 1919
	46	652	Cowley, W.L., and H. Levy. Investigation of the performance of a variable cambered wing.	Nov. 1919
	47	654	Bryant, L.W. and A.S. Batson. Test of the Fokker thick aerofoil section.	Oct. 1919
	48	655	Baker, G.S. Experiments with model flying boat hulls and seaplane floats. Nineteenth series report. Possibility of loading a flying boat, the beam and angle of forebody being varied.	Jan. 1920
	49	656	Searle, N.S., and I. Peatfield. Total lift and drag of 1/12th scale model B.E.2E.	Nov. 1919
	50	657	Douglas, G.P. Note on a large range manometer for wind channel work.	Dec. 1919
	51	658	Gates, S.B., and J.H. Jones. Forces, moments and interferences on a 1/12th scale model of B.E.2E fitted with R.A.F.18 wing section.	Nov. 1919
	52	659	Full-scale determination of the lift and drag coefficients of biplanes, by means of engine and airscrew performance.	Dec. 1919
	53	661	Bryant, L.W and A.S. Batson. Pressure distribution over the tailplane of B.E.2C. Part	Sep. 1919
	54	662	Wood, R.M. Some notes on the theory of an airscrew working in a wind channel.	Feb. 1920
	55	662Rev,	Wood, R. and Harris, R.G. Some notes on the theory of an airscrew working in a wind channel.	Feb. 1920

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4	56	663	Barr, Guy and L.L. Bircumshaw. The viscosity of some cellulose acetate solutions.	Nov. 1919
	57	665	Simmons, L.F.G., and H. Bateman. A method for determining the rotary derivatives, Mq and Nr of models.	Jan. 1920
	58	666	Glauert, H. The landing of aeroplanes (Part I).	Feb. 1920
	59	667	Glauert, H. The landing of aeroplanes (Part II).	Jan. 1920
	60	669	Whipple, F.J.W. Notes on the Robinson anemometer.	Jan. 1920
	61	670	Bramwell, F.H. The maximum angular velocity of aeroplanes.	Mar. 1920
	62	671	Dobson, G.M.B. Measurement of turbulence in the atmosphere by the spreading of a smoke trail.	Nov. 1919
	63	672	Some experiments on measurement of static pressure.	Feb. 1920
	64	676	Wood, R. and Gates, S.B. An analysis of the component weights of aeroplanes.	Apr. 1920
5	1	677	Harris, R.G., and F.B. Bradfield. Model experiments with variable camber wings. (2 copies)	Jun. 1920
	2	678	Hill, R.M. The influence of military and civil requirements on the flying qualities of aeroplanes.	Jun. 1920
	3	679	Irving, H.B. Model experiments on the pitching moment and hinge moment due to elevators of various sizes on B.E.2C tailplane.	Jun. 1920
	4	680	Wood, R. and Bradfield, F.B. The distance required to take off an aeroplane.	Jun. 1920
	5	681	Fage, A. and Howard, R.G. A consideration of airscrew theory in the light of data derived from an experimental investigation of the distribution of pressure over the entire surface of an airscrew blade...	Mar. 1921
	6	683	Baker, G.S and Keary, E.M. Experiments with full-sizes machines. Second Series.	Sep. 1920
	7	684	Bryan, G.H. The acoustics of moving sources with application to airscrews.	Aug. 1920
	8	685	Wimperis, H.E. Forced vibrations in aeroplane instruments.	Apr. 1920
	9	686	Searle, N.S. and Peatfield, I.L. Tests of four aerofoils suitable for airscrew design.	Jul. 1920
	10	687	Experiments on an S.E.5A aeroplane with modified control surfaces.	Sep. 1920
	11	688	Experiments on the effect of fairing the nose of an S.E.5 fuselage.	Sep. 1920

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5	12	689	Bryan, G.H. The canonical forms of the equations of motion of an aeroplane in still and gusty air.	Feb. 1921
	13	691	Norman, G.H. The Wasp-Avro "fireproof" installation.	Dec. 1920
	14	694	The sounds of aeroplanes.	Oct. 1920
	15	695	Lang, E.D. German aerofoil tests.	May 1920
	16	696	Irving, H.B., and A.S. Batson. An investigation of the aerodynamic properties of wing ailerons.	Nov. 1920
	17	697	Lynam, E.J.H. The attachment of wooden airscrew blades to metal centres.	Sep. 1920
	18	698	Jones, R. The effect of a proposed passenger car on the resistance of airship R.33.	Oct. 1920
	19	699	Fage, A. A note on the method of estimating from observations of total head, the total thrust of an airscrew.	Oct. 1920
	20	701	Smith, G.L. Note on recording instrument for kite balloon.	Nov. 1920
	21	702	Bygrave, L.C. Some tests on navigation instruments during a flight of rigid airship H.M.A. R.33.	Sep. 1920
	22	703	Norman, G.H. Metallic couplings for petrol pipes.	Dec. 1920
	23	704	Stevens, H.L., and E.J.H. Lynam. Comparative performance of various airscrews for S.E.5A with Wolseley Viper engine.	Nov. 1920
	24	705	Relf, E.F and E. Ower. Experiments on complete models of six aeroplanes.	Oct. 1920
	25	706	Pippard, A.J. An analysis of the conditions governing the requisite strength of aeroplane structures.	Dec. 1920
	26	707	Pippard, A.J. Note on the inverted loop.	Dec. 1920
	27	729	Pippard, A.J. Note on the comparison of metals as aeroplane structural materials.	Oct. 1920
	28	740	Hill, R.M. The maneuvers of getting off and landing.	Mar. 1921
	29	747	Hill, R.M. Comparison of the flying qualities of single and twin engined aeroplanes.	Apr. 1920
	30	753	Simmons L.F.G. and H. Bateman. An investigation of the wind forces and moments acting on models, 1/50 scale, of the Caquot kite balloon.	Jun. 1920
	31	754	Cowley, W.L., and C.N.H. Lock. Cushioning effect on aeroplanes close to the ground.	Jul. 1920
	32	756	Case, John, and S.B. Gates. Tail loads in recovering from a vertical dive at terminal velocity.	Apr. 1921

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5	33	757	Barr, Guy. The effect of rate loading on the apparent strength of cotton balloon fabric.	Dec. 1920
	34	758	Visser, Cornelia. Report on the viscosity of acetyl cellulose solutions.	Aug. 1920
	35	759	Harris, R.G. Vibrations of rafwires.	Nov. 1921
	36	761	Glauert, H., and I.L. Peatfield Experimental determination of tailplane characteristics.	Jul. 1921
	37	762	Lift and drag of B.E.2E with R.A.F.14 wings. Comparison of full scale and model results.	Oct. 1921
	38	763	Garner, H.M., and F.B. Bradfield. Lift and drag of B.E.2E with R.A.F.19 wings. Comparison of full scale and model results.	Aug. 1921
	39	764	Incomplete.	Jun. 1922
	40	765	Taylor, G.I. The "rotational inflow factor" in propeller theory.	May 1921
	41	766	Southwell, R.V. and Barbara Gough. On the free transverse vibrations of airscrew blades.	Oct. 1921
	42	767	Glauert, H. The calculation of the characteristics of tapered wings.	May 1921
	43	768	Lamb, H. The steady adiabatic flow of a gas.	Nov. 1921
	44	769	Farren, W.S. The calculation of stresses in a redundant structure by the method of comparison of deflections, with examples of its application to aeroplane design.	Oct. 1921
6	1	770	The drag curve of R.A.F. 14 B.E. 2E wings obtained by full scale experiments with airscrew running and with airscrew stationary.	Oct. 1921
	2	771	Experiments with a modified thrustmeter.	Oct. 1921
	3	772	Bradfield, F.B. Model tests of 64 section biplane wings with flaps.	Oct. 1921
	4	773	Batson, A.S., and C. Lock. Lateral control of large angles of incidence...	Mar. 1921
	5	774	Cowley, W.L. and C. Lock. Biplane investigation with R.A.F. 15 section.	Sep. 1921
	6	776	Load factors for commercial heavier than aircraft.	Jan. 1922
	7	777	Bailey, A. A directional hot-wire anemometer.	Jan. 1922
	8	778	Relf, E.F. An electric motor of small diameter for use inside aeroplane models.	Jan. 1922
	9	782	Jones, R. The equilibrium of R.38 in circling flight.	Nov. 1921
	10	783	Rosenhain, W., and J.D. Grogan. Report on the effects of over-heating and repeated melting of aluminum.	May 1922
	11	784	Goodwin, E.S. Seaplanes taking off and alighting.	Dec. 1921

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6	12	785	Keavy, E.M. Experiments with model flying boat hulls and seaplane floats...	Jan. 1922
	13	786	Glauert, H. An aerodynamic theory of the airscrew.	Jan. 1922
	14	787	Bradfield, F.B. Lateral control of Bristol fighter at low speeds.	Jan. 1921
	15	788	Barker, M. Theoretical stream-lines round a Joukowski aerofoil.	Dec. 1921
	16	789	Hankins, G.A. Preliminary report on the properties of commercially pure nickel as a standard for fatigue investigations.	Nov. 1921
	17	790	Southwell, R.V. On the determination of the stresses in braced frameworks, Part II...	Feb. 1922
	18	791	Southwell, R.V. On the determination of the stresses in braced frameworks, Part III...	Apr. 1922
	19	792	Pippard, A.J. The reduction of the effective value of Young's modulus in flexible compression members.	Apr. 1922
	20	793	Pippard, A.J. On a method for the direct design of framed structures having redundant bracing.	May 1922
	21	795	The prevention of fire in single-engined aeroplanes.	Jan. 1922
	22	796	The possible causes of fire in an aeroplane crash and the means that can be taken to lessen the fire risk.	Jan. 1922
	23	804	Naylor, J.L., and W.L. LePage. Tandem aerofoils.	Mar. 1922
	24	805	Bryant, L.W. Some calculations dealing with the disturbed motion of an aeroplane, with special reference to landing.	Dec. 1921
	25	806	Fage, A. On the theory of tapered aerofoils.	Jan. 1923
	26	808	Williams, D.H., and A.H. Bell. Pressure plotting on fin and rudder of a Model of R.32.	Mar. 1922
	27	809	Relf, E.F. et al. The Determination of Rotary Derivatives.	Sep. 1921
	28	810	Melville Jones, B., and Francis Mond. The Accuracy of Sextant Observations Taken from Aircraft.	May 1922
	29	811	Pannell, J.R., R. Frazer, and H. Bateman. Experiments on Rigid Airship R.32. Part I...	Feb. 1921
	30	813	Pannell, J.R., R. Frazer, and H. Bateman. Experiments on Rigid Airship R.32. Part III.	Jun. 1921
	31	814	Frazer, R.A., and H. Bateman. Experiments on Rigid Airship R.32. Part IV...	Sep. 1922

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6	32	816	Cowley,, and C. Lock. Comparison Between the Aerodynamic Properties of Two Aerofoils of the Same Section...	Aug. 1921
	33	817	Cowley, W.L. Wind Tunnel Tests on a Fokker Biplane.	Sep. 1921
	34	818	Peatfield, I.L. Test of Ten Aerofoil Sections for Metal Airscrews.	Mar. 1922
	35	820	Pippard, A.J. Stresses in a Stiff Jointed Polygonal Frame Under a System of Parallel Loads.	Aug. 1922
	36	822	Lavender, T., T. Fewster, and G. Henderson. An Attachment of the Main Balance of 7ft. No.2 Wind Tunnel...	Sep. 1922
	37	823	Fewster, T.H. Description of Lift, Vertical Force and Drag Balances...	Oct. 1922
	38	824	Glauert, H. Method of Calculating Characteristics of a Tapered Wing.	Oct. 1922
	39	825	Relf, E.F., and E. Ower. Singing of Circular and Streamline Wires.	Mar. 1921
	40	826	Simmons, L., and E. Ower. Investigation of the Influence of Down-Wash on Rotary Derivative Mq.	Jun. 1921
	41	827	Frazer, R.A., and A. Gadd. Prediction of the Resistance of Rigid Airship R.33.	Jul. 1922
	42	828	Relf, E., and T. Lavender. Continuous Rotation Balance for the measurement of Lp at Small Rates of Roll.	Aug. 1922
	43	829	Fage, A. et al., Experiments with a Family of Airscrews, Including the Effect of Tractor and Pusher Bodies, Part I.	Nov. 1922
	44	830	Fage, A. et al., Experiments with a Family of Airscrews Including Effect of a Tractor and Pusher Bodies.	Nov. 1922
	45	831	Irving, H.B. and Batson, A.S. On the effect of sideslip on the aerodynamic forces and moments (including those at the controls) for a model S.E.5a aeroplane.	Aug. 1922
46	832	Grogan, J.D. Report on the influence of calcium and of calcium plus silicon on aluminum.	May 1922	
47	833	Farren, W.S. The design of tapered wings.	Jul. 1922	
7	1	834	Glauert, H. The Handley Page slotted wing.	Mar. 1922
	2	835	Bradfield, F.B. Tests of four slotted aerofoils, supplied by Messrs. Handley Page, LTD.	Sep. 1922
	3	837	An empirical method of predicting the aerodynamic properties of an aerofoil.	Dec. 1921

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7	4	838	Mason, W. The mechanics of the Wohler rotating bar fatigue test.	Sep. 1922
	5	839	Gayler, Marie. The constitution and age-hardening of alloys of aluminum with copper, magnesium and silicon in the solid state.	Jun. 1922
	6	840	Gayler, Marie. The constitution and age-hardening of the ternary alloys of aluminum with magnesium and copper.	Dec. 1922
	7	841	Hanson, D. and Marie Gayler. The heat-treatment and mechanical properties of alloys of aluminum with small percentages of copper.	Dec. 1922
	8	846	Relf, E.F. The lateral stability of S.E.5a in gliding flight.	Aug. 1922
	9	847	The No. 2 7-foot wind channel at the Royal Aircraft Establishment.	Nov. 1922
	10	848	Bradfield, F.B., and O.E. Simmonds. Rolling and yawing moments due to roll of model Avro wings, with standard and interplane ailerons, and rudder moments...	Nov. 1922
	11	849	The effect upon the control of an aeroplane of carrying load distributed along the planes.	Nov. 1922
	12	850	Reports and Memoranda of the Aeronautical Research Committee published between 1st October 1921 and 31st March 1923.	May 1923
	13	851	Francis, H.A. The comparison of the maneuverability of aeroplanes by the use of a cinematograph camera.	Dec. 1922
	14	852	Fire experiments with various types of fire-proof bulkheads.	Nov. 1922
	15	863	Mason, W. The effect of a temperature of 212 degrees F. on steel submitted to alternating torsion.	Feb. 1923
	16	864	Gough, H.J. The effect of keyways upon the strength and stiffness of shafts subjected to torsional stresses.	Apr. 1925
	17	865	Bradfield, F.B. On the use of a slotted trailing flap on aerofoils of various cambers.	Jan. 1923
	18	866	Glauert, H. Calculation of the rotary derivatives due to yawing for a monoplane wing.	Feb. 1923
	19	867	Glauert, H. The interference of wind channel walls on the aerodynamic characteristics of an aerofoil.	Mar. 1923
	20	868	Tests on improved models of aircraft compasses.	Dec. 1922
	21	869	Glauert, H. Notes on the vortex theory of airscrews.	Dec. 1922

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7	22	870	Meredith, F.W. Full scale determination of the characteristics of a variable pitch airscrew.	Mar. 1923
	23	871	Fage, A. The effect of a large boss on airscrew performance.	Jun. 1923
	24	872	Cowley, W.L. et al. Biplane investigation with R.A.F. 15 section. Part III. Tests at various staggers and gap chord ratios.	May 1923
	25	873	Simmons, L.F.G. and Ower, E. Elimination of the static pressure gradient along wind tunnels of the N.P.L. type.	Jun. 1923
	26	874	Capon, R.S., and A. Lee. Preliminary report on the forced oscillations of aircraft compasses.	Jul. 1920
	27	875	Rowe, A.P. The northerly turning error of compasses in aircraft.	Nov. 1921
	28	876	Relf, E.F., and E. Ower. Lift, drag and pitching moment of the 1/5th scale Bristol fighter model in the duplex wind tunnel.	Sep. 1923
	29	878	Moss, H. and W.J. Stern. Phase setting of engine indicators.	Jun. 1923
	30	879	Lavender, T. The "duplex" wind tunnel of the National Physical Laboratory.	Sep. 1923
	31	880	Flight tests with R.A.E. electrical indicator.	Jun. 1923
	32	881	Glauert, H. The efficiency of a tandem system of airscrews.	May 1923
	33	882	Simmons, L. and E. Ower. An investigation of downwash in the slipstream (Part I.).	Feb. 1924
	34	883	Simmons, L. and E. Ower. An investigation of the influence of downwash on the rotary derivative M_q . Part II. The effect of the airscrew slipstream.	Sep. 1923
	35	884	Douglas, G.P., and R. Wood. The effects of tip speed on airscrew performance. An experimental investigation of the performance of an airscrew...	Oct. 1922, Jun. 1922
	36	885	Lock, C., and H. Bateman. Some experiments on airscrews at zero torque, with applications to a helicopter descending with engine "off", and to the design of windmills.	Sep. 1923
	37	886	Page, W.L. Further experiments on tandem aerofoils.	May 1923
	38	887	Lynam, E.J. Experiments with a close tandem airscrew pair.	Mar. 1923
	39	888	Simmons, L., and E. Ower. Test on a large aerofoil of R.A.E. 15 section.	Oct. 1922

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7	40	889	Glauert, H. Experimental tests of the vortex theory of aerofoils.	Nov. 1923
	41	890	Bradfield, F.B. Scale effect on struts and drag of wiring plates of a Bristol fighter. Correction of model tests for comparison with the full scale.	Nov. 1923
	42	891	Batson, A.S., and H.L. Nixon. Pressure distribution over the wings of, and force measurements on, a model of B.E.2C biplane with raked wing tips.	May 1923
	43	892	Lock, C.N. and H. Bateman. Experiments with a family of airscrews, Part III. Analysis of the family of airscrews by means of the vortex theory and measurements of total head.	Dec. 1923
	44	893	Baker, G.S. and E.M. Keary. Experiments with model flying boat hulls. 24th series report. Comparison of longitudinal with transverse steps.	Aug. 1923
	45	894	Kermode, A.C. and B.D. Clark. Full scale and model measurements of pressure distribution round two ribs...	Dec. 1923
	46	895	Kermode, A.C. and R.G. Harris. Full scale and model measurements of pressure distribution round one rib...	Nov. 1923
	47	896	Lift and drag of standard Bristol fighter with R.A.F. 4D engine...	Nov. 1923
	48	897	The lift and drag of a standard Bristol fighter aeroplane.	Nov. 1923
	49	898	Cowley, W.L., and L.J. Jones. An experimental test of the Prandtl correction for tunnel wall interference.	Jan. 1924
	50	899	Determination of scale effect on the centre of pressure of R.A.F.14, B.E.2C biplane with three values of stagger.	Jan. 1924
8	1	900	Report of the Design Panel on the Scale Effect on Lift, Drag, and Centre of Pressure of Complete Aeroplanes.	Mar. 1924
	2	901	Glauert, H. Theoretical Relationships for a Biplane.	Dec. 1923
	3	903	Fage, A., and H.L. Nixon. The Prediction on the Prandtl Theory of the Lift and Drag for Infinite Span from Measurements on Aerofoils of Finite Span.	Dec. 1923

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8	4	904	Glendinning, W.G., and J.E. Ramsbottom. Report on Further Investigations of the Effect of Sunlight on Aeroplane Fabric.	Jan. 1924
	5	905	Relf, E.F. An Electrical Method of Tracing Stream Lines for the Two-Dimensional Motion of a Perfect Fluid.	Apr. 1924
	6	906	Barr, Guy. The measurement of Viscosity by Means of Capillary Tubes.	Mar. 1923
	7	907	Exhaust Manifold Temperatures.	Nov. 1923
	8	908	Meredith, F.W. Experiments with Rudders on Two Twin-Engine Aeroplanes.	Dec. 1923
	9	909	Meredith, F.W. Automatic landing of Aeroplanes.	Dec. 1923
	10	910	Glauert, H. A Theory of Thin Aerofoils.	Feb. 1924
	11	911	Glauert, H. A Generalized Type of Joukowski Aerofoil.	Jan. 1924
	12	912	Sutton Pippard, A.J. Stresses in a Stiff-Jointed Polygonal frame, Under a System of Parallel Loads. Part II.	Apr. 1924
	13	913	Sutton Pippard, A.J., and P. Field Foster. The Distortion of a Stiff-Jointed Plane Polygonal Frame Under Loads Applied in its Plane.	Jul 1924
	14	914	Simmons, L.F.G., and E. Ower. Note on the Application of the Vortex Theory of Aerofoils to the Prediction of Downwash.	Apr. 1924
	15	915	Test of a Thin Low Drag Aerofoil, R.A.F.	Jun. 1924
	16	916	Bradfield, F.B. Slot Control on an Avro with Standard and Balanced Ailerons.	May 1924
	17	917	Relf, E.F., and L.F.G. Simmons. The Frequency of the Eddies Generated by the Motion of Circular Cylinders Through a Fluid.	Jun. 1924
	18	918	Southwell, R.V. The Strength of Struts: A Review of Progress Made Theory and Experiment during the War.	Sep. 1924
	19	919	Lock, M.A., and H. Bateman. Effect of Wind Tunnel Interference on a Combination of Airscrew.	Apr. 1924
	20	920	Lea, F.C., and H. P. Budgen. Failure of a Nickel Chrome Steel Under Repeated Stresses of Various Ranges.	Jun. 1924
	21	921	Lock, C.N., and H. Bateman. Effect of Gap between an Airscrew and a Tractor Body.	Apr. 1924
	22	922	Aitchison, L. Notched Bar Impact Tests at Low Temperatures.	Oct. 1924
	23	923	Aitchison, L. Cold Work and Fatigue.	May 1924

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8	24	924	Harris, R.G., and A. Hartshorn. Lateral Force and Moments on Avro Model.	Apr. 1924
	25	925	Stern, W.J. and H. Moss. Improved Model of Optical Indicator.	Oct. 1924
	26	926	P.5. Flying Boat N. 86, Impact Tests, (Experiments with Full Size Machines. Third Series).	Apr. 1924
	27	927	Glauert, H. Characteristics of Thick Aerofoils.	May 1924
	28	928	Bradfield, F., and A. Hartshorn. Test of For Thick Aerofoils, R.A.F. 30, 31, 32, and 33.	Sep. 1924
	29	929	Irving, H.B., and A. Bateson. Some Experiments on a Slotted Aerofoil.	May 1924
	30	937	Relf, E., and L. Jones. Measurements of Lift and Pitching...	Jul. 1924
	31	938	Gates, S.B., and H. Garner. Theory of the Full Scale Determination of Damping in Roll.	Sep. 1924
	32	939	Bryant, L., and D. Williams. On the Effect of Inertia on the Lateral motion of an Aeroplane Under the Influence of Gusts and Control Movements.	Oct. 1924
	33	940	Fage, A. An Analysis of the Pressure Distribution on Model Airscrew.	Nov. 1924
	34	941	Durward, J. Measurement of Vertical Currents in Lowest Layers of the Atmosphere During Sea Breezes.	Aug. 1923
	35	942	Jones, D.A., and H. Stevens. Royal Aircraft Establishment Control Movement Recorder, Mark III.	Oct. 1924
	36	943	Bradfield, F., and A. Hartshorn. Test of Three Aerofoils Suitable for High Speed. A.D.I., Sloane and R.A.F. 26.	Oct. 1924
	37	944	Bradfield, F.B. Measurement of Pitching Moments Due to Roll of Wings of Avro 504.K.	Nov. 1924
	38	945	Clark, B.D., et al. Lift and Drag of Junker Monoplane.	Nov. 1924
	39	947	Glauert, H. Interference of Wind Channel Walls on Downwash Angle and Tail Setting to Trim.	Nov. 1924
	40	951	Fage, A. and Simmons, L.F.G. An investigation of the air-flow pattern in the wake of an aerofoil of finite span.	Mar. 1925
	41	952	Harris, R.G. and Caygill, L.E. Further experiments on Honeycomb radiators.	Nov. 1924
	42	953	Lock, C. et al. Experiments to verify the independence of the elements of an airscrew blade.	Nov. 1924

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8	43	954	Report on aerofoil tests at National Physical Laboratory and Royal Aircraft Establishment.	May 1925
	44	955	Lock, C.H. and Bateman, H. The measurement of airflow round an airscrew.	Nov. 1924
9	1	956	Lock, C.N.H. et al. The airscrew round a body as affecting airscrew performance.	Jan. 1925
	2	959	Archbutt, S.L. A method of improving the properties of aluminum alloy castings.	Dec. 1924
	3	960	Stevens, H.L. Variation of engine power with height.	Aug. 1924
	4	962	Bryant, L.W. and D.H. Williams. Discontinuous flow around the edge of a bluff obstacle.	Jan. 1925
	5	967	Fage, A. An experimental study of the vibrations in the blades and shaft of an airscrew.	Sep. 1925
	6	971	Pippard, A.J. and Clifford, G.H. An experimental investigation into the properties of certain framed structures having redundant bracing members.	May 1925
	7	981	Ower, E. and Johansen, F.C. The design of pilot-static tubes.	Aug. 1925
	8	982	Jenkin, C.F. High-frequency fatigue tests.	Oct. 1925
	9	983	Relf, E.F. A comparison of model and full scale performance of the Bristol fighter using Flight Lieut. Capon's method of presentation.	Sep. 1925
	10	984	Capon, R.S. The representation of aircraft performance tests, using non-dimensional variables, with special reference to the prediction of...	Nov. 1925
	11	985	Capon, R.S. The reduction of aircraft performance tests.	Jun. 1925
	12	989	Bryant, L.W., and D.H. Williams. An investigation of the flow of air around an aerofoil of infinite span.	Feb. 1924
	13	991	Harris, R.G., and C. Howarth. Full scale determination of the lift and drag of an Avro type 504 K at large angles of incidence and comparison with model results.	Apr. 1925
	14	992	Douglas, G., and L.P. Coombes. The measurement of torque grading along an airscrew blade.	Jun. 1925
	15	995	Gough, H.J. et al. The behavior of single crystals of aluminum under static and repeated stresses. Parts 1, 2 and 3.	Nov. 1924
	16	997	Irving, H., and A.S. Batson. The distribution of pressure over a biplane with wings of unequal chord and span.	Dec. 1925

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9	17	998	Fenning, R.W. Gaseous combustion at medium pressures. Part I. Carbon monoxide-air explosions in a closed vessel. Part II. Methane-air explosions in a closed vessel.	May 1925
	18	1003	Southwell, R.V., and H.J. Gough. On the concentration of stress in the neighborhood of a small spherical flaw; and on the propagation of...	Jan. 1926
	19	1005	Fenning, R.W. Note on "detonation" temperatures in closed vessel explosions.	Mar. 1926
	20	1007	Jones, E.T., and Caygill, L.E. Full-scale and model measurements of lift and drag of Bristol fighter with Handley Page slotted wings.	Dec. 1925
	21	1009	Relf, E.F., and Lavender, T. Experiments on the flow behind a rotating cylinder in the water channel.	May 1925
	22	1010	Lamb, H. On the effect of the walls of an experimental tank on the resistance of a model.	Jan. 1926
	23	1015	Fage, A., and L. Jones. On the drag of an aerofoil for two-dimensional flow.	Nov. 1925
	24	1026	Glauert, H. The analysis of experimental results in the windmill brake and vortex ring states of an airscrew.	Feb. 1926
	25	1047	Bradfield, F.B., and Hartshorn, A.S. Model tests of a combined slot and aileron control on a wing of R.A.F. 15 section. Push forward type of auxiliary.	May 1926
	26	1048	Bradfield, F.B. and Hartshorn, A.S. Slot and aileron control on a wing of R.A.F. 31 section with various types of ailerons.	May 1926
	27	1063	Irving, H.B. et al. Model experiments on R.A.F.31 aerofoil with Handley Page slot.	Oct. 1926
	28	1075	Hall, Scott. Lateral stability at low speed: Part I. Measurement of rolling moments for three wings at low rates of roll. Part II. Pressure moments on a wing whilst rotating at low speeds.	Jan. 1927
	29	1077	Garner, H.M. Lateral stability with special reference to controlled motion.	Oct. 1926
	30	1085	Jones, E.T., et al. Lift and drag of the Bristol Fighter with Fairey variable camber wings.	Jul. 1926
	31	1086	Douglas, G.P., and W.G. Perring. Wind tunnel tests with high tip speed airscrews. The characteristics of the aerofoil section R.A.F.31a at high speeds.	Jan. 1927

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9	32	1088	Stevens, H.L. Preliminary report on the fitting of slots and flaps and slot-and-aileron control to a Bristol fighter.	Feb. 1927
	33	1089	Stevens, H.L. Full scale test of slot and aileron control on a woodcock.	Feb. 1927
	34	1090	Hartshorn, A.S. Further wind tunnel tests of a slot and aileron control on a wing of R.A.F. 31 section.	Feb. 1927
	35	1093	Glauert, H. A non-dimensional form of the stability equations of an aeroplane.	Mar. 1927
	36	1094	Jones, E.T. A full scale determination of the angle of downwash below an aeroplane.	Apr. 1927
	37	1096	Hardy, J.K. Full scale measurements of lift and drag of the Fokker F. VII.-3M monoplane.	Apr. 1927
	38	1099	Glauert, H. A discussion of the law of variation of engine power with height.	Mar. 1927
	39	1100	Perring, W.G., and G.P. Douglas. Wind tunnel experiments on the effect on the maximum lift of withdrawing and discharging air from the upper surface of an aerofoil.	Apr. 1927
	40	1133	Jones, E.T., and A.S. Hartshorn. Full scale and model measurements of the lift and drag of the Bristol fighter with M.2. section wings.	Nov. 1927
	41	1146	Hardy, J., and A.S. Hartshorn. Full scale and model measurements of lift and drag of a Bristol fighter fitted with R.A.F. 34 wings.	Nov. 1927
	42	1147	Bradfield, F.B., and K.W. Clark. Wind tunnel tests of aerofoil R.A.F. 36.	Dec. 1927

SERIES II: AERONAUTICAL RESEARCH COMMITTEE CORRESPONDENCE, INDEX, AND REPORT, 1928-1938

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
10	1	Report for the Year 1929-30.	1930
	2	List of Non-parliamentary Publications.	Aug. 1938
	3	Letter from the Editor (Signed).	1928

SERIES III: NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS TECHNICAL MEMORANDUMS AND REPORTS, 1936-1951

<u>Box</u>	<u>File</u>	<u>Rept. #</u>	<u>Description</u>	<u>Date</u>
11	1		Index of NACA Technical Publications, 1915-1949	1949

<u>Box</u>	<u>File</u>	<u>Rept. #</u>	<u>Description</u>	<u>Date</u>
11	2		Author Index to Index of NACA Technical Publications, 1915-1949	Jul. 1951
			NACA Reports	
	3	612	Pinkel, Benjamin, Heat-Transfer Processes in Air Cooled Engine Cylinders	1938
	4	617	Selden, Robert F., Auto-Ignition and Combustion of Diesel Fuel in a Constant-Volume Bomb	1938
	5	655	Rothrock, A.M. and Biermann, Arnold E., The Knocking Characteristics of Fuels in Relation to Maximum Permissible Performance of Aircraft Engines	1939
			NACA Technical Notes and Memorandums	
	6	647	Rothrock, A.M. and Biermann, Arnold E., Engine Performance and Knock Rating of Fuels for High-Output Aircraft Engines	Apr. 1938
	7	812	Precoul, Michel, The Horsepower of Aircraft Engines and Their Maximum Frontal Area	Nov. 1936
	8	839	Von der Null, Werner, The Design of Airplane-Engine Superchargers	Oct. 1937
	9	843	Boerlage, G.D., Detonation and Autoignition Some Considerations on Methods of Determination	Dec. 1937
	10	850	Gropp, H., Engines and Propellers for Powered Gliders and Light Airplanes	Mar. 1938
	11	853	Peletier, L.A., Effect of Air-Fuel Ratio on Detonation in Gasoline Engines	Mar. 1938
	12	891	Schmidt, Fritz A.F., Theoretical and Experimental Study of Ignition Lag and Engine Knock	Mar. 1939
	13	894	Vohrer, Eugen, The Way to Increased Airplane Engine Power	May 1939
	14	895	Ragazzi, Paolo, The Power of Aircraft Engines at Altitude	May 1939
	15	924	Seeber, F., Modern Methods of Fuel Testing	Dec. 1939