

**BIBLIOGRAPHY  
OF  
AERONAUTICS**

**1928**



**NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS**



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## INTRODUCTION

This Bibliography of Aeronautics for 1928 covers the aeronautical literature published from January 1 to December 31, 1928. The first Bibliography of Aeronautics was published by the Smithsonian Institution as volume 55 of the Smithsonian Miscellaneous Collections and covered the material published prior to June 30, 1909. Supplementary volumes of the Bibliography of Aeronautics for the subsequent years have been published by the National Advisory Committee for Aeronautics. The last preceding volume was for the calendar year 1927.

As in the previous volumes, citations of the publications of all nations are included in the languages in which these publications originally appeared. The arrangement is in dictionary form with author and subject entry, and one alphabetical arrangement. Detail in the matter of subject reference has been omitted on account of the cost of presentation, but an attempt has been made to give sufficient cross reference for research in special lines.

JOSEPH S. AMES,

*Chairman National Advisory Committee for Aeronautics.*

DECEMBER 16, 1929.

## ABBREVIATIONS

Aer. Eng. Suppl. The Aeroplane.....	The Aeroplane— . . . Aeronautical Engineering Supplement to The Aeroplane, London.
Aeron. Journ.....	Aeronautical Journal, London.
Aeronautics. Techn. Rep. Aer. Res. Com.	Aeronautics. Technical Reports of the Aeronautical Research Committee, London.
Amer. Mach.....	American Machinist, New York.
Amer. Gas. Eng. Journ.....	American Gas Engineering Journal, New York.
Amer. Journ. Sociology.....	American Journal of Sociology, Chicago.
Atti Assoc. Ital. Aerotecn.....	Atti dell'Associazione Italiana di Aeronautica, Roma.
Aut. Eng.....	Automotive Engineering, New York.
Aut. Mot. Flugw.....	Automobil-Motorrad-Flugwesen, Berlin.
Ann. Soc. Mét. France.....	Annuaire, Société Météorologique de France, Paris.
Automotive Ind.....	Automotive Industries, New York.
Aviat. Aer. Eng.....	Aviation and Aeronautical Engineering, New York.
Bull. Aero-Club Suisse.....	Bulletin, Aero Club Suisse, Berne.
Bull. Exper. Depart. Airplane Eng. Div.	The Bulletin of the Experimental Department, Airplane Engineering Division, U. S. A., Dayton, Ohio.
Bull. Soc. Enc. Ind. Nat.....	Bulletin de la Société d'Encouragement pour l'Industrie Nationale, Paris.
C. R. Acad. Sci.....	Compte Rendus Hebdomadaires des séances de l'académie des Sciences, Paris.
Deutsche Luftf. Zeitschr.....	Deutsche Luftfahrer Zeitschrift, Berlin.
Electr. Railw. Jour.....	Electric Railway Journal, New York.
Jour. Amer. Soc. Mech. Eng.....	Journal of the American Society of Mechanical Engineers, New York.
Journ. Inst. Electrical Engineers.....	Journal of the Institute of Electrical Engineers, New York.
Journ. Frankl. Inst.....	Journal of the Franklin Institute, Philadelphia.
Journ. Mil. Serv. Inst.....	Journal of the Military Service Institution, Governors Island, New York.
Journ. Roy. Aer. Soc.....	Journal of the Royal Aeronautical Society, London.
Journ. Roy. Soc. Arts.....	Journal of the Royal Society of Arts, London.
Journ. Soc. Automotive Engineers.....	Journal of the Society of Automotive Engineers, New York.
Journ. United States Art.....	Journal of the United States Artillery, Fortress Monroe, Va.
Mech. Eng.....	Mechanical Engineering, New York.

Nat. Geogr. Mag.....	National Geographic Magazine, Washington, D. C.
Pop. Mech.....	Popular Mechanics, Chicago.
Pop. Sci. Monthly.....	Popular Science Monthly, New York.
Proc. Amer. Inst. Electr. Eng.....	Proceedings of the American Institute of Electrical Engineers, New York.
Proc. Amer. Philos. Soc.....	Proceedings of the American Philosophical Society, Philadelphia, Pa.
Proc. U. S. Nav. Inst.....	Proceedings of the United States Naval Institute, Annapolis, Md.
Quart. Journ. Roy. Met. Soc.....	Quarterly Journal of the Royal Meteorological Society, London.
Rend. Istituto Sper. Aer.....	Rendiconto dell' Istituto Sperimentale Aeronautico, Roma.
Rend. Tecn. Dir. Sup. Genio Costr. Aeron.	Commissariato dell' Aeronautica. Intendenza Generale. Rendiconti Tecnici della Direzione Superiore del Genio e delle Costruzioni Aeronautiche. Roma.
Rév. Gén. Scien.....	Révue Générale Scientifique, Paris.
Riv. Aeron.....	Rivista Aeronautica, Roma.
Sat. Even. Post.....	Saturday Evening Post, Philadelphia, Pa.
Scient. Amer.....	Scientific American, New York.
Techn. Berichte.....	Technische Berichte, Charlottenburg.
Zeitschr. Flugt. Motorluftsch.....	Zeitschrift für Flugtechnik und Motorluftschiffahrt, München.
Zeit. Österr. Ing. Arch. Ver.....	Zeitschrift des Oesterreichischen Ingenieur- und Architekten- Vereines, Wien.
Zeitschr. Ver. deutscher Ing.....	Zetischrift des Vereines deutscher Ingenieure, Berlin.



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**By PAUL BROCKETT**

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BY PAUL BROCKETT

## A

- A. B. C. The A. B. C. Hornet engine.  
The Aeroplane, Vol. 35, No. 7 (Aug. 15, 1928), London, p. 328, ill.  
Flight, Vol. 20, No. 33 (Aug. 16, 1928), London, pp. 702-705, ill., diagr.
- AC. The AC fuel supply system.  
Aero Digest, Vol. 12, No. 4 (April, 1928), New York, p. 594, ill., diagr.
- A. D. C. The A. D. C. "Cirrus" Mark III engine.  
Flight, Vol. 20, No. 35 (Aug. 30, 1928), London, pp. 747-748, ill.
- ABBOT, CHARLES GREELEY. [Langley-Wright.]  
Journ. Roy. Aer. Soc., Vol. 32, No. 210 (June, 1928), London, pp. 422-423.
- The relations between the Smithsonian Institution and the Wright brothers.  
Smithsonian Miscellaneous Collections, Vol. 81, No. 5 (Publication 2977), Washington published by the Smithsonian Institution, September 29, 1928, p. 27.
- See Wright biplane: The original Wright biplane.
- ABBOTT, E. H. Graf Zeppelin.  
Outlook, Vol. 150 (Nov. 7, 1928), New York, p. 1120.
- ABERDEEN, S. D. See Bennett, A. E.: Airport located at fair grounds, Aberdeen, S. D.
- ACAMPORA, LUIGI. Una formula di classificazione dei velivoli mercantili.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 7-11.
- ACCELERATION measure. See Mayer, Fritz: Ein Dreikomponenten-Beschleunigungsmesser für Luftfahrzeuge.
- ACCELEROGRAPH. Accélérographe H. M. P.  
La Nature, No. 2778 (1er fév. 1928), Paris, p. 187, ill.
- Mesure en vol des déformations des avions.  
La Nature, No. 2782 (1er avril 1928), Paris, p. 329.
- ACCELEROMETER. Un accéléromètre à maximum.  
L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, p. 129, ill.
- ACCESSORIES. See Lame, M.: Les accessoires standardisation et unification— les cahiers des charges.
- ACCIDENTS. Accidents to aeroplanes involving flutter of the wings. Report of the accidents investigation subcommittee.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 449-467, ills., diagrs.
- Analysis of aircraft accidents.  
Air Corps Information Circular, Vol. 7, No. 633 (Nov. 24, 1928), Washington, United States Government Printing Office, 1928, pp. 7, diagrs.

## ACCIDENTS. Aviation hazards.

Science n. s., Vol. 67, suppl. 12 (April 20, 1928), New York.

## — Flying is safer.

Literary Digest, Vol. 97 (May 19, 1928), New York, p. 22.

## — How a paraffin coat prevented a transatlantic flight.

Literary Digest, Vol. 99 (Nov. 24, 1928), New York, pp. 52-54.

## — Statistics on commercial aircraft fatalities.

Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 40.

## — Too many flying accidents.

Literary Digest, Vol. 99 (Oct. 27, 1928), New York, p. 17, ill.

## — See Bramson, M. L.: Safety devices for aircraft.

## — See Clevenger, Pilot: Airplane accidents.

## — See Gymnich, Alfried: Flugunfälle, Sachverständigenurteile und Presse.

## — See Italia: La catastrophe de "l'Italia."

## — See National Advisory Committee for Aeronautics: Report No. 308. Aircraft accidents. Method of analysis. Report prepared by special committee on the nomenclature, subdivision and classification of aircraft accidents.

## — See Safety: Sécurité de l'aviation commerciale.

## ACCORINTI, VINCENZO. Importanza del senso di movimento rotatorio in aviazione. Esperienze su sordomuti.

IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 405-409.

## ACOSTA, BERT. Hectic seconds in the cockpit.

Literary Digest, Vol. 97 (May 12 1928), New York, pp. 66-69.

## ACOUSTICS. See Satô-Kôzi: Ensugata-Rappa no onkyôgakutekino seisitu ni tuite. (On the acoustical properties of conical horns.)

## ADER, CLEMENT. Un precursore: Clement Ader.

Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 185-187, ill.

## ADLER, LEONARDO. Criteri per l'impianto di aeroporti civili nelle città.

IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 12-25, ills., maps.

## AÉRO-CLUB DE FRANCE. Le VIe congrès des sociétés affiliées à l'Aéro-Club de France à Lyon, les 1er, 2 et 3 mars 1928.

L'Aérophile, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, pp. 73, 95, port.

## AEROBATICS. See Stewart, Oliver: Aerobatics; a simple explanation of aerial evolutions.

## AERODROMES. See Airports.

## AERODYNAMICS. See Blenk, H.: Gegenwartsfragen der Aerodynamik.

## — See Diehl, Walter Stuart: Engineering aerodynamics.

## — See Drag: Profil Widerstandmessungen im Fluge.

## — See Eula, Antonio: Il calcolo dell'autonomia dell'aeroplano con vento.

## — See Fage, A.: The connection between lift and circulation for an inclined flat plate.

## — See Fage, A.: The flow of air and of an inviscid fluid around an elliptic cylinder and an aerofoil of infinite span, especially in the region of the forward stagnation point.

**AERODYNAMICS.** See Fage, A.: On the flow of air behind an inclined flat plate of infinite span.

- See Fage, A., and F. C. Johansen: The structure of vortex sheets.
- See Huguenard, E., A. Magnan et A. Sainte-Laguë: Sur un détermination expérimentale de la polaire d'un avion et d'un oiseau en vol.
- See Irving, H. B., A. S. Batson, and C. H. Burge: The effects of stagger and gap on the aerodynamic properties of biplanes at large angles of incidence.
- See Jones, B. Melvill: Preliminary experiments on two-dimensional flow round bodies moving through a stationary fluid.
- See Jurieff, B. N., and N. P. Lessnikowa: Aerodynamical investigations.
- See Lachmann, G.: The span as a fundamental factor in airplane design.
- See Lamb, H.: A paradox in fluid motion.
- See Lepère, G.: Les cellules les progrès de l'aérodynamique et leurs applications pratiques.
- See Maccoll, John W.: Aerodynamics of a spinning sphere.
- See Pascal, M.: Sul profilo laminare rettilineo.
- See Raimondi, Emanuele: L'aerodinamica teorica.
- See Rothé, E.: Aérologie et aérodynamique.
- See Roy, Maurice: A propos du champ aérodynamique autour d'une aile sustentatrice.
- See Thom, A.: The pressures round a cylinder rotating in an air current.
- See Toussaint, A.: L'aviation actuelle; étude aérodynamique et essais des avions; l'aviation actuelle et la sécurité.
- See Warner, Edward Pearson: Airplane design aerodynamics.
- See Wieselsberger, C., and T. Asano: Determination of the air forces and moments produced by the ailerons of an airplane.

**AEROFOILS.** See Airfoils.

**AEROLOGY.** See Aimé, Emmanuel: Aérologie.

- See Camiciotti, Dante: Le stazioni aerologiche sperimentali.
- See Rothé, E.: Aérologie et aérodynamique.

**AERONAUTICAL CHAMBER OF COMMERCE IN AMERICA.** Wings! The story of flying, Aircraft Yearbook, 1927.  
New York City. 1927, pp. 396.

**AERONAUTICAL INDUSTRIES.** Aeronautical Industries, Inc.  
Aviation, Vol. 24, No. 26 (June 25, 1928), New York, pp. 1843, 1856-1860, ill.

**AERONAUTICAL RESEARCH COMMITTEE.** Aeronautics. Technical report of the Aeronautical Research Committee for the year 1927-28. Vol. I. Aerodynamics (Model and full scale). Vol. II. Stability and control, autogiros, materials, engines, etc.

London, His Majesty's Stationery Office, 1928, pp. viii, 946, ix-xv.

— Report for the year 1927-28.

London, H. M. Stationery Office, 1928, pp. 63.

Reviewed under: Research in Aeronautics, Nature, Vol. 122, No. 3077 (Oct. 20, 1928), London pp. 630-631.



- AERONAUTICS:** *See* National Advisory Committee for Aeronautics: Aeronautics. Fourteenth annual report of the National Advisory Committee for Aeronautics, 1928. Administrative report without technical reports.
- AFRICA.** Across Africa by light aeroplane.  
Flight, Vol. 20, No. 16 (Apr. 19, 1928), London, pp. 265-267, ill.
- African air routes.  
Flight, Vol. 20, No. 31 (Aug. 2, 1928), London, p. 665.
- African survey flight.  
Flight, Vol. 20, No. 25 (June 21, 1928), London, pp. 461-462, map.
- Old airplanes find queer last hangars in Africa.  
Literary Digest, Vol. 97 (April 7, 1928), New York, p. 75.
- The Portuguese flight to Africa.  
Flight, Vol. 20, No. 46 (Nov. 15, 1928), London, pp. 983-984, map.
- *See* Cobham, Alan: African survey flight.
- *See* Cobham, Alan: International air communications. Sir Alan Cobham's circuit of Africa on the Short Rolls-Royce all-metal flying boat.
- *See* Fulahn: Flying in the wilds. East Africa may yet lead the world in private flying.
- *See* Heath, Lady: Flying across Africa.
- AGRICULTURE.** Crop survey by airplane.  
Literary Digest, Vol. 99 (Nov. 10, 1928), New York, pp. 22-23, ill.
- AHLBORN, F.** Die Ablösungstheorie der Grenzschichten und die Wirbelbildung. Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 171-188, ill.
- AILERONS.** *See* Betz, A.: Zur Theorie der Querruder.
- *See* De Havilland: Concerning the De Havilland differential aileron.
- *See* Havilland: Ailerons différentiels de Havilland.
- *See* Thoret: Un record de battements d'ailerons.
- *See* Wieselsberger, C., and T. Asano: Determination of the air forces and moments produced by the ailerons of an airplane.
- AIME, EMMANUEL.** Aérologie.  
L'Aérophile, 36e année, Nos. 15-24 (1er-15 août—1er-15 déc. 1928), Paris, pp. 236, 261, 292, 338, 363-364.
- AIR:** *See* Bilancioni, Guglielmo: Svolgimento storico del concetto di "aria."
- AIR AND RAIL.** The U. S. combined air and rail venture.  
Flight, Vol. 20, No. 25 (June 21, 1928), London, p. 466.
- AIR ASSOCIATES.** Air Associates have methodized aviation commerce.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 53, 69, ill.
- AIR currents.** *See* Linke, F.: Luftströmungen über Bergrücken.
- AIR engineer.** *See* Engineer: Air or ground engineer.
- AIR filters.** *See* Mirguet, Henri: Un épurateur d'air pour moteurs d'avions "Le Filtrair."
- AIR flow.** *See* Weick, Fred E.: The effect of the Sperry Messenger fuselage on the air flow at the propeller plane.
- AIR KING.** Model 28 Air King.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 758, ill.
- AIR resistance.** *See* Grouard, A.: De la résistance de l'air au mouvement des projectiles.



- AIRCRAFT ENGINEERING RESEARCH CONFERENCE. *See* National Advisory Committee for Aeronautics: Third annual Aircraft Engineering Research Conference under the auspices of National Advisory Committee for Aeronautics, Langley Field, Virginia, May 15, 1928. Including program.
- AIRFOILS. *See* Batson, A. S., A. S. Halliday, and A. L. Maidens: The distribution of pressure over a monoplane and a biplane with wings of unequal chord and equal span.
- *See* Bradfield, F. B.: Scale effect on three aerofoils at low values of  $LV$ , R. A. F., 32, Göttingen 433, and Göttingen 410 with 2 per cent centre line camber.
- *See* Bradfield, F. B., and K. W. Clark: Wind-tunnel tests of aerofoil R. A. F. 36.
- *See* Caldwell, F. W.: Section properties of a series of airfoils suitable for propeller design.
- *See* Davies, H., and F. B. Bradfield: Wind-tunnel test of aerofoil M.2.
- *See* Davies, H.: Wind-tunnel test of aerofoil R. A. F. 34.
- *See* Glauert, H.: The effect of compressibility on the lift of an aerofoil.
- *See* Glauert, H.: Theoretical relationships for an aerofoil with hinged flap.
- *See* Handley Page: Tests on Handley Page aerofoils A. 1 and R. A. F. 31.
- *See* Irving, H. B., A. S. Batson and D. H. Williams: Model experiments on R. A. F. 31 aerofoil with Handley Page slot.
- *See* Irving, H. B., and A. S. Batson: Rolling experiments on an aerofoil of R. A. F. 32 section.
- *See* Lock, C. N. H., H. C. H. Townsend, and A. G. Gadd: Wind-tunnel experiments on a symmetrical aerofoil (Göttingen 429 Section).
- *See* Loew, Gottfried: Contribution to the systematic investigation of Joukowski profiles.
- *See* National Advisory Committee for Aeronautics: Report No. 286. Aerodynamic characteristics of airfoils.—V.
- *See* Perring, W. G. A.: The theoretical pressure distribution around Joukowski aerofoils.
- *See* Perring, W. G. A., 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.
- *See* Reid, Elliot G., and M. J. Bamber: Preliminary investigation on boundary layer control by means of suction and pressure with the U. S. A. 27 airfoil.
- *See* Rhode St. Genese, Brussels: Results of aerodynamic tests on slotted airfoils in the aerotechnical laboratory (S. T. A6.) of Rhode St. Genese, Brussels.
- *See* Sasaki, Tatudirô: On the flow past a Joukowski's aerofoil in a wind tunnel.
- *See* Shirmanow, P. M.: I. Yawing moment at an isolated air-foil. II. Test of an air-foil at angles of incidence from  $0^\circ$  to  $360^\circ$ .
- *See* Stanton, T. E.: A high-speed wind channel for tests on aerofoils.

- AIRFOILS.** See Van der Hegge Zynen, B. G.: Some experiments on the distribution of velocity, pressure, and total-head in the neighborhood of an aerofoil for two-dimensional flow.
- See Wings.
- See Zahm, Albert Frances, and R. M. Bear: A study of wing flutter.
- AIRMASTER.** Airmaster monoplane.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 752, ill.  
Aviation, Vol. 25, No. 20 (Nov. 10, 1928), New York, pp. 1486, 1508, 1510, ill.
- AIRPLANES.** Monoplane or biplane?  
Literary Digest, Vol. 96 (Feb. 18, 1928), New York, pp. 58-60.
- AIRPORTS.** Aerodromes of England.  
Flight, Vol. 20, No. 18, 33 (May 3, Aug. 16, 1928), London, pp. 305-306, 707-708, map.
- Aeroporti e aviazione oceanica.  
Rivista Aeronautica, Anno 4, N. 3 (Marzo 1928), Roma, pp. 591-596, ill.
- Un aeropuerto internacional.  
Ibérica, Año 15, Núm. 753 (24 nov. 1928), Barcelona, pp. 306-307.
- Circular airports.  
Scient. Amer., Vol. 138 (May 1928), New York, p. 446, ill.
- The draining of aerodromes.  
The aeroplane, Vol. 34, No. 6 (Feb. 8, 1928), London, p. 176, ill.
- How important cities are solving the municipal airport problem.  
American City, Vol. 39 (Oct. 1928), New York, pp. 116-118, ill., map.
- International aero station.  
Pop. Mech., Vol. 50 (Aug. 1928), Chicago, pp. 234-235, ill. Literary Digest, Vol. 98 (Aug. 11, 1928), New York, p. 17.
- Modern airports.  
Scient. Amer. Vol. 139 (Nov. 1928), New York, pp. 468-469, plans.
- Pour guider les études d'aéroports.  
L'Aéronautique, 10me année, No. 105 (fév. 1928), Paris, pp. 51-54, ill.
- See Adler, Leonardo: Criteri per l'impianto di aeroporti civili nelle città.
- See Albertazzi, A.: Di un secondario problema per ricovero di idrovolanti a Genova.
- See Anderson, John W.: Portland's island airport.
- See Angell, N. H.: Airport runway and surface treatment.
- See Armstrong: L'île flottante Armstrong.
- See Barcelona: Aeropuerto nacional de Barcelona.
- See Boone, Andrew R.: Campaigning for an airport.
- See Chauchon, M.: Projets d'infrastructure de l'avenir. Un projet d'aérogare internationale.
- See Defrasse, Henri: Projet d'île flottante.
- See Faludi, Eugenio: Il problema degli aeroporti civili.
- See Fellows, P. A.: Selecting the airport site.
- See Goodrich, E. P.: Airports as a factor in city planning.
- See Huetter, O.: Utilizzazione dei porti mercantili per la navigazione aerea civile.
- See Koepke, O.: Eclairage d'aérodrome.

- AIRPORTS.** *See* Miles, R. R.: City and federal governments cooperate in creating extensive airport, San Diego, Calif.
- — *See* Olmsted, H. M.: Airport and the municipality.
- *See* Rocca, Carlo: Progrès de l'aviation civile en Italie. I. Création de nouveaux aéroports modèles.
- *See* Rocco, Emilio: Idroaviazione. Idroporti di alcune linee civili italiane.
- *See* Società Italiana Servizi Aerei: Relazione su uno speciale tipo di idroscalo fluviale per la linea aerea Trieste-Torino della Società Italiana Servizi Aerei di Trieste.
- *See* Tarantini, Lello: Forme e dimensioni più opportune per campi d'atterramento.
- *See* Tarantini, Lello: Progetto per l'aeroporto civile di Ostia.
- *See* Trojani, Felice: Apertura di un nuovo aeroporto in Roma per aeroplani e idrovolanti.
- *See* Walsh, J. W. T.: Illuminating engineering.
- AIRSCREWS.** *See* Propellers.
- AIRSHIP hulls.** *See* Zahm, Albert Francis, R. H. Smith, and F. A. Louden: Drag of C-class airship hulls of various fineness ratios.
- AIRSHIPS.** Advantages of airships.  
Flight, Vol. 20, No. 48 (Nov. 29, 1928), London, pp. 1019-1020.
- Development of the airship.  
Science n. s., Vol. 68 supp. 10-12 (July 6, 1928), Garrison, N. Y.
- Few ancestors of Germany's Graf Zeppelin.  
Literary Digest, Vol. 99 (Nov. 10, 1928), New York, pp. 62-70.
- Flying hotel.  
Living Age, Vol. 334 (Jan. 15, 1928), New York, p. 179.
- Flying hotels to ferry the Atlantic.  
Literary Digest, Vol. 96 (Feb. 18, 1928), New York, pp. 52-54, ill.
- Liners of the sky.  
Review of Reviews, Vol. 78 (Nov. 1928), New York, pp. 528-529, ill.
- Little sisters and aunts of Zeppelins.  
Literary Digest, Vol. 99 (Nov. 24, 1928), New York, pp. 48-50, ill.
- Luxuries aboard an air liner.  
Pop. Mech., Vol. 50 (Sept. 1928), Chicago, pp. 428-431, ill.
- New rigid airships for the U. S. Navy.  
Flight, Vol. 20, No. 48 (Nov. 29, 1928), London, p. 1019
- Récupération du lest sur les dirigeables.  
La Nature, No. 2779 (15 fév. 1928), Paris, p. 187.
- Some of the details of great rival airships.  
Pop. Mech., Vol. 50 (Dec. 1928), Chicago, pp. 889-859, ill.
- *See* Baker, J. F.: Secondary stresses in airship hull structures. Part III.— An experimental investigation.
- *See* Blessing, A. R.: Some bibliographical notes on airships.
- *See* Eckener, Hugo: The case of the airship.
- *See* Engberding, R.: Die englischen Luftschiff-Neubauten R 100 und 101.



- AIRSHIPS. *See* Engberding, R.: Nachdenkliches Luftschiff-Allerlei aus England.
- *See* Engberding, R.: Luftschiff und Luftschiffahrt in Vergangenheit, Gegenwart und Zukunft.
- *See* England: Les progrès de la construction des dirigeables en Angleterre.
- *See* Great Britain: Baustoffe der englischen Luftschiffe.
- *See* Great Britain: Die englischen Luftschiffe R 100 und R 101.
- *See* Herrera, Emilio: Die Vorteile des gasförmigen Betriebsstoffes für Luftschiffe.
- *See* Krell, O.: Ein Beitrag zur Landetechnik grosser Luftschiffe.
- *See* L. Rö I: Il nuovo sistema di dirigibile rapido "L. Rö I."
- *See* L Z: L Z 127.
- *See* Memmo, Dino: Sul rifornimento aereo di zavorra a bordo dei dirigibili.
- *See* LaLlave, J. de: La técnica de los dirigibles en Norteamérica.
- *See* Mercier: Le dirigeable transatlantique.
- *See* Milarch: Formeln für die Meridianlinie eines Luftschiffkörpers.
- *See* Minorsky, N.: Mesure de la vitesse d'un aéronef par rapport au sol en l'absence supposée de tout repère extérieur.
- *See* Parseval, August v.: Formeln für die Meridian-Ebene eines Luftschiffkörpers.
- *See* Pochhammer, B.: "Die Arktis und das Luftschiff."
- *See* Pochhammer, D. B.: Das Luftschiff auf der "ILA."
- *See* R. 100: La recentissima aeronave inglese "R. 100."
- *See* R. V.: Le nouveau dirigeable rigide "Comte-Zeppelin."
- *See* Ricci, Carlo Luigi: Sui calcoli di stabilità degli involucri dei dirigibili.
- *See* Richmond, V. C.: Developments in rigid-airship construction.
- *See* Richmond, V. C.: Full scale pressure plotting experiments on hull and fins of H. M. A. R. 33.
- *See* Robillard, Robert E., and Roy A. Miller: Full scale tests of the semirigid airship RS-1.
- *See* Scherz, Walter: Einige Zahlenangaben aus der Entwicklungsgeschichte des Zeppelin-Luftschiffes.
- *See* Scherz, Walter: Das Luftschiff "Graf Zeppelin."
- *See* Schwengler, Johann: Das Grossluftschiff der Gegenwart und seine tatsächlichen Leistungen.
- *See* Slate: The Slate dirigible.
- *See* Southwell, R. V.: On the calculation of stresses in the hulls of rigid airships.
- *See* Spanner, Edward Frank: The airship business.
- *See* Tourrette, A.: La récupération du lest à bord des dirigeables.
- *See* United States Congress: Navy Department appropriation bill 1929. Supplemental hearing before subcommittee of House Committee on appropriations . . . in charge of the Navy Department appropriation bill for 1929. Rigid airships. Seventieth Congress, first session.

- AIRSHIPS.** See Warner, Edward Pearson: What of the airship?  
 — See Zeppelin: "Graf Zeppelin."  
 — See Zodiac: Le nouveau dirigeable Zodiac.
- AIRWAYS.** See Craft, Edward B.: Airways communication service.  
 — See Gubernatis, E. Ferrero de: Note sulle linee di idroaviazione italiane.
- AJMONE-CAT, MARIO.** Ancora sull' osservazione aerea per artiglieria.  
 Rivista Aeronautica, Anno 4, N. 7 (Luglio 1928), Roma, pp. 84-118.  
 — Note all' articolo "L'addestramento all'osservazione aerea del tiro."  
 Rivista Aeronautica, Anno 4, N. 6 (Giugno 1928), Roma, pp. 444-448.  
 — La pratica del tiro con osservazione aerea. L'osservatore aereo per il R.  
 Esercito.  
 Rivista Aeronautica, Anno 4, N. 5 (Mag. 1928), Roma, pp. 240-301.  
 — Ultima replica in tema di aviazione per artiglieria.  
 Rivista Aeronautica, Anno 4, N. 10 (Ott. 1928), Roma, pp. 28-38.
- AKRON.** See Burton, Walter E.: Akron municipal airport.
- ALASKA.** See Rivers, J. G.: Aviation in Alaska.
- ALBANESE, ANGIOLINO.** Circa il disciplinamento delle ostilità aerea.  
 Rivista Aeronautica, Anno 4, N. 2 (Feb. 1928), Roma, pp. 315-317.
- ALBATROS.** Albatros.  
 Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 227-228, ill.  
 — See Gossow: Übungsweisitzer und Schnellreise-Flugzeug von Albatros.
- ALBATROSS.** The Zenith "Albatross."  
 Aviation, Vol. 24, No. 5 (Jan. 30, 1928), New York, pp. 258-260, ill.
- ALBENGA, GIUSEPPE.** Progetti di aeroplani.  
 L'Aerotechnica, Vol. 8, N. 4 (Aprile 1928), (Anno 6), Pisa, pp. 241-251.
- ALBERT.** See van Crombrugge, R.: L'aviation au Congo. Ses débuts. La  
 ligne aérienne Roi Albert.
- ALBERTAZZI, A.** Di un secondario problema per ricovero di idrovolanti a Genova.  
 IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma,  
 1928, pp. 26-29, ills.
- ALCLAD.** See Dix, E. H., jr.: Application of "Alclad" to aircraft.
- ALDRIN, EDWIN E.** Oleo gears for aircraft.  
 Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 86-90, ill., diagr.
- ALEXANDER.** The new Alexander Eaglerock.  
 Aero Digest, Vol. 12, No. 4 (April, 1928), New York, p. 600, ill.
- ALEXANDROFF, V. L.** La théorie tourbillonnaire du Professeur N. Joukovsky et  
 le calcul des hélices propulsives aériennes.  
 IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma,  
 1928, pp. 7-33, ills., diagrs.
- ALFONSO, PIROZZI.** Tutela dei terzi danneggiati da incidenti aviatorii.  
 Rivista Aeronautica, Anno 4, N. 12 (Feb. 1928), Roma, pp. 309-314.
- ALIGNMENT.** See Taylor, R. C.: Alignment and inspection of components.
- ALIOTTA, BRUNO.** Gli accidenti aviatori. Fisiologia e igiene dell' aviatore.  
 IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma,  
 1928, pp. 410-414.



- ALLEN, C. B. The tortoise at the air races.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 738-739, 850, ill.
- ALLEN, ELMER L. Model airplanes; how to build and fly them.  
New York, Frederick A. Stokes Company, 1928, pp. vi, 326, ills., diags.
- ALLEN, J. W. Aircraft-engine starters.  
Journ. Soc. Automotive Engineers, Vol. 22, No. 3 (March 1928), New York, pp. 387-388.
- ALLEN, R. E. H. Ground transport for an air organization.  
Journ. Roy. Aer. Soc., Vol. 32, No. 211 (July 1928), London, pp. 596-623, ills.
- ALLIOTT, E. H. The light car of the air. A pilot's impressions of the 1928 De Havilland Moth light aeroplane.  
Airways, Vol. 4, No. 7 (March 1928), London, pp. 241-242, ill.
- A new British aero engine. A pilot's impressions of the 220 h. p. Bristol "Titan."  
Airways, Vol. 4, No. 9 (May 1928), London, pp. 329, 332, ill.
- ALLNUT, E. F. Who owns the air?  
World's Work, Vol. 55 (Feb. 1928), New York, pp. 442-448, ill.
- ALLOYS. Light alloys for aircraft work.  
The Aeroplane, Vol. 34, No. 16 (Apr. 18, 1928), London, p. 568.
- See Grard, C.: Alliages légers et ultra-légers dans la zone thermique de travail du matériel d'aviation.
- See Hoperaft, J.: Alloy and stainless steels.
- See Montelucci, Giuliano: Sulla protezione del ferro mediante cadmio.— Impegno dell' eutettico cadmio-zinco per il rivestimento dei fili di acciaio per cavi ad alta resistenza.
- ALMAGIÀ, GUIDO. I primi tentativi di lancio dei velivoli.—Catapulte.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. iii, Roma, 1928, pp. 5-8.
- ALPS. See Macher, Max: Gite sopra le Alpi in pallone libero.
- ALTIMETERS. See Sasaki-Tatudiro, Hattori-Kunio, Hagiwara-Ikutarô, Tate-Rinzi: Kôdokei ni oyobosu ondo no eikyô ni tuite. (On the effect of temperature changes upon the altimeter.)
- ALTITUDE flying. See Bacon, E. F., and J. W. Wagner: Where perpetual winter reigns.
- ALTITUDE. Contre le record d'altitude.  
L'Aéronautique, 10me année, No. 115 (déc. 1928), Paris, p. 407.
- See Barendregt, J.: Hoogteberekening van vliegtuigen door middel van luchtfotografie.
- See Hyland, Lawrence A.: True altitude meters.
- See Schrenk, Martin: Probleme des Höhenflugs.
- ALUMINUM. See Dunlap, W. M.: Spot welding of aluminum and its alloys.
- See Fleury, R. de: Sur les pistons d'aluminium.
- See Grogan, J. D.: Report on the "burning" of aluminium.
- See Rawdon, Henry S.: Corrosion embrittlement of duralumin. II. Accelerated corrosion tests and the behavior of high-strength aluminum alloys of different compositions.
- See Schwarz, M. v.: Neue selbstveredelnde Aluminium-Gusslegierungen mit hoher Elastizitätsgrenze.

- AMBROSINI, ANTONIO. *La limitazione legale della responsabilità aeronautica.*  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 435-451.
- AMERICA. *See* Murphy, C. J. V.: *Flight of the America.*
- AMIOT. *L'avion Amiot 122—Lorraine du grand circuit africain.*  
*L'Aéronautique*, 10me année, No. 107 (avril 1928), Paris, p. 115, ill.
- AMPHIBIANS. *See* Gossiau, F.: "Amphibien"-Flugzeuge mit Schwimm-, und Fahr-Einrichtungen.  
— *See* Loening: *La solution Loening du problème de l'amphibie.*
- AMUNDSEN, ROALD. *See* Mill, Hugh Robert: *Obituary Roald Amundsen.*  
— *See* Nansen, Fridtjof: *Roald Amundsen Tale holdt på Det Norske Geografiske Selskabs minnemøte 24. Oktober 1928.*  
— *See* Skattum, O. J.: *Roald Amundsen. Foredrag på somme møte.*
- ANASTASIU, VICTOR. *Contribution à l'étude de la tension artérielle chez les aviateurs.*  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 415-429, diags.
- ANDERSON, JOHN W. *Airport development in Oregon.*  
*Aviation*, Vol. 25, No. 10 (Sept. 1, 1928), New York, pp. 764-772, ill.  
— *Portland's island airport.*  
*Aviation*, Vol. 24, No. 12 (Mar. 19, 1928), New York, pp. 709, 720, ill.
- ANDIZ. *The Andiz 60 h. p. light monoplane.*  
*Aero Digest*, Vol. 12, No. 5 (May 1928), New York, p. 108, ill.
- ANDRUS, C. G. *The problem of combating ice accumulation.*  
*Aviation*, Vol. 24, No. 16 (Apr. 16, 1928), New York, pp. 975, 1030-1034, diagr.
- ANEMIA. *See* Midulla, Carmelo: *Può un grave trauma per incidente aviatorio determinare in un pilota una forma grave di anemia.*
- ANGELL, N. H. *Airport runway and surface treatments.*  
*Aviation*, Vol. 25, No. 3 (July 16, 1928), New York, pp. 176-177, 210-214, ill.
- ANGELONI, E. *Alcune considerazioni sul volo ad altissime quote.*  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1928, Vol. III, Roma, 1928, pp. 9-17, diags.
- ANGERMUND. *Flugsicherheit.*  
*Zeitschr. Ver. deutsch. Ing.*, Bd. 72, Nr. 36 (8 Sept. 1928), Berlin, pp. 1268-1269.
- ANTARCTIC. *The Antarctic air expedition.*  
*Aero Digest*, Vol. 13, No. 5 (Nov. 1928), New York, pp. 898-899, 1042-1048, ill.
- ANTI-KNOCK. *See* Nagai, Yûzaburô: *Effect of anti-knock materials on the speed of initial uniform movement of the flame in hydrocarbon-air mixtures.*
- ANTILLI, CESARE. *Nota sugli aeroplani da esplorazione.*  
*Rivista Aeronautica*, Anno 4, N. 12 (Dic. 1928), Roma, pp. 451-458, ill.
- ANTONINO, TRIPODI. *See* Guglielmetti, A., e Tripodi Antonino: *Confronto fra apparecchi italiani e stranieri.*
- ARADO. *Arado.*  
*Flug-Woche*, 10. Jahrg., Heft 9, 1928, Berlin, p. 229, ill.  
— *See* Krupp, G.: *Das doppelmotorige Seeschulflugzeug Arado W II.*
- ARCHBUTT, S. L., and J. D. GROGAN. *Report on the accelerated ageing of "Y" alloy.*  
*Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27*, London, 1928, pp. 798-807, ill., diags., tabs.

- ARCTIC. Arctic aviation.  
Nature, Vol. 121, No. 3057 (June 2, 1928), London, pp. 853-855.
- Arctic flights.  
Flight, Vol. 20, No. 25 (June 21, 1928), London, pp. 472-473.
- Arctic flying.  
The Aeroplane, Vol. 34, No. 25 (June 20, 1928), London, p. 882.
- First hop over the earth's roof.  
Literary Digest, Vol. 97 (May 5, 1928), New York, pp. 10-11, ill., map.
- The flight across the Arctic.  
Flight, Vol. 20, No. 17 (Apr. 26, 1928), London, p. 286, map.  
Wilkins and Eielson.
- See Italia: Semi-rigide "Italia."
- See Lengerke, J. E.: By air to the poles. Aerial expeditions to the North and South Poles are to be made this year.
- See Pochhammer, B.: Luftschifftechnisches zur Frage der arktischen Forschung.
- See Stefansson, Vilhjalmur: Arctic danger spots and seasons.
- See Stefansson, Vilhjalmur: Notes on Arctic flying.
- See Wilkins, G. H.: Arctic flights.
- ARGENTINE. Anuario guia de la aeronautica.  
Edición argentina año 1928. Buenos Aires, Publicado per "Editorial Autoaereo." Director Propietario Alberto A. Mortz.
- Ligne France-Argentine.  
La Nature, No. 2794 (1er oct. 1928), Paris, p. 327.
- ARGUS. Argus.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 261-262, ill.
- ARKANSAS. The Arkansas "Command-Aire" biplane.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 194, ill.
- ARKTIS. Vierteljahrsschrift der Internationalen Studiengesellschaft zur Erforschung der Arktis mit dem Luftschiff. Herausgegeben von Fridtjof Nansne. Heft 1, 2.  
Gotha, Verlag J. Perthes, 1928.
- ARMSTRONG. The Armstrong-Siddeley engines.  
Flight, Vol. 20, No. 27 (July 5, 1928), London, pp. 578-579, ill., diagr.
- The Armstrong Siddeley geared Jaguar engine.  
The Aeroplane, Vol. 35, No. 3 (July 18, 1928), London, p. 170, diagr.
- The Armstrong-Siddeley geared "Jaguar."  
Flight, Vol. 20, No. 30 (July 26, 1928), London, pp. 630-631, ill.
- The Armstrong Siddeley Leopard aero engine.  
The Aeroplane, Vol. 34, No. 25 (June 20, 1928), London, pp. 886, 888, diagr.  
Flight, Vol. 20, No. 22 (May 31, 1928), London, pp. 405-407, ill., diagr.
- The Armstrong Whitworth "Starling."  
Flight, Vol. 20, No. 31 (Aug. 2, 1928), London, pp. 660-665, ill., diagr.
- The Armstrong Whitworth "Starling" (British) (Single-seat fighter).  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 82, Washington, September 1928, p. 7, ill.
- L'île flottante Armstrong.  
L'Aérophile, 36e année, Nos. 11-12 (1er-15 juin 1928), Paris, p. 169, ill.



- ARMSTRONG. More power from the Armstrong-Siddeley "Genet."  
Flight, Vol. 20, No. 10 (Mar. 8, 1928), London, p. 157, chart.
- ARMSTRONG, FRED O. How to make and fly a model aeroplane.  
Elizabeth N. J., Practical Arts Publishing Co., 1928, pp. 14, ill.
- ARMY AIR CORPS. Air Corps demonstrations.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 31-32, 174, ill.
- ARNESSEN, ODD. "Italia"—tragedien på nært hold.  
Oslo, Gyldendal, Norsk forlag, 1928, pp. 200, ill., map.
- ARNTZEN, H. Flugzeugführer werden und sein.  
Minden i. W., 1928, Verlag W. Köhler, 1928, pp. 100.
- ARROW. Arrow Sportplane.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 742, ill.
- ARSANDAUX, L. Étude, calcul et détermination de certaines formes d'ailes à profil évolutif le long de l'envergure.  
L'Aéronautique (L'Aérotechnique, 6me année, No. 63-65), 10me année, No. 106-108 (mars-mai 1928), Paris, pp. 99-101, 121-128, 167-173, ill., diagrs.
- ASANO, T. *See* Wieselsberger, C., und T. Asano: Bestimmung der durch die Querruder eines Tragflügels erzeugten Luftkräfte und Momente.  
— *See* Wieselsberger, C., and T. Asano: Determination of the air forces and moments produced by the ailerons of an airplane.
- ASKANIA. *See* Möller, W.: Askania-Flugzeug-Kompass.
- ASSOCIATION TECHNIQUE MARITIME ET AERONAUTIQUE. Bulletin de l'Association technique maritime et aéronautique, No. 31. Session de 1927.  
Imprimerie Chaix.
- XXXII Session de l'Association Technique Maritime et Aéronautique (Paris, 5-8 juin 1928).  
Le Génie Civil, T. 92, No. 25, 26 (23, 30 juin 1928), Paris, pp. 607-611, 634-637.
- ASTRONÁUTICA. Fundación de un premio anual de "astronáutica."  
Iberica, año 15, Núm. 727 (12 mayo 1928), Barcelona, p. 295.
- ATHERTON, A. P. *See* Clark, N. M.: Jump! Interview with A. P. Atherton.
- ATLANTIC. Back to the land.  
Independent, Vol. 121 (Sept. 29, 1928), Boston, p. 292.
- Braving ocean winds in the Graf Zeppelin.  
Literary Digest, Vol. 99 (Nov. 3, 1928), New York, pp. 36-52, ill.
- Bremen's epic flight.  
Literary Digest, Vol. 97 (April 28, 1928), New York, pp. 5-7, ill.
- The "Bremen's" flight to America.  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, pp. 742-744, ill., diagr.
- Le condizioni tecniche della traversata dell'Atlantico.  
Rivista Aeronautica, Anno 4, N. 10 (Ott. 1928), Roma, pp. 131-140, map.
- Costes and Lebriz.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 332-335, ill.
- Early Atlantic flight that came to grief.  
Literary Digest, Vol. 98 (Sept. 22, 1928), New York, pp. 64-69.
- First seaplane flight to Europe.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 39, 173, ill.
- The flight from Italy to Brazil. Ferrarin and del Prete break world's distance record.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 237, 366, ill., map.

- ATLANTIC. The first westerly crossing of the Atlantic.  
 The Aeroplane, Vol. 34, No. 16 (Apr. 18, 1928), London, p. 548, ill.  
 Capt. Hohl and Maj. Fitzmaurice.
- The German Atlantic flight.  
 Flight, Vol. 20, No. 16 (Apr. 19, 1928), London, pp. 259-261, ill.
- German plane crosses North Atlantic East to West.  
 Aviation, Vol. 24, No. 17 (April 23, 1928), New York, pp. 1150-1151, ill.  
 Bremen.
- Germany's merchantmen of the skies.  
 Literary Digest, Vol. 99 (Oct. 27, 1928), New York, pp. 13-15, ill., map.
- Italy to Brazil.  
 Aviation, Vol. 25, No. 3 (July 16, 1928), New York, pp. 182, 207-208, ill.
- Miss Earhart et la sixième traversée de l'Atlantique Nord.  
 L'Aérophile, 36e année, Nos. 13-14 (1er-15 juil. 1928), Paris, p. 213.
- Nouvel échec sur l'Atlantique.  
 La Nature, No. 2779 (15 fév. 1928), Paris, p. 187.
- Once more transatlantic flights.  
 Aéronautica, Vol. 2, No. 4 (April 1928), Amsterdam, pp. 49-50.
- Paris to New York. French airmen, Costes and Lebricx, make 23,000  
 mile flight over four continents and the South Atlantic.  
 Aviation, Vol. 24, No. 9 (Feb. 27, 1928), New York, pp. 522-523, ill.
- La première traversée de l'Atlantique Nord, de l'Est à l'Ouest.  
 L'Aéronautique, 10me année, No. 108 (mai 1928), Paris, p. 146.  
 Von Huenefeld, Fitzmaurice, Koehl.
- Rescuing the three musketeers of the air.  
 Literary Digest, Vol. 97 (May 12, 1928), New York, pp. 34-47, ill.
- Rolling down to Rio for a new air record.  
 Literary Digest, Vol. 98 (July 21, 1928), New York, pp. 46-52, ill.
- A transatlantic flight.  
 Nature, Vol. 121, No. 3061 (June 30, 1928), London, p. 1033.
- Trimoteur transatlantique français.  
 La Nature, No. 2783 (15 avril 1928), Paris, p. 376.
- What Germany thinks of the Bremen flight.  
 Literary Digest, Vol. 97 (May 12, 1928), New York, pp. 14-15, ill.
- What Nungesser's mother thinks of ocean flights.  
 Literary Digest, Vol. 97 (May 12, 1928), New York, pp. 66-71.
- Wings across the sea.  
 Review of Reviews, Vol. 77 (May 1928), New York, pp. 529-530, ill., map.
- Woman hops the Atlantic.  
 Literary Digest, Vol. 97 (June 30, 1928), New York, pp. 8-9, ill., map.
- See Baldit, A.: Les routes aériennes de l'Atlantique: Aperçu météorologique.
- See Blanchet, Georges: À la mémoire des héroïques pionniers de l'Atlantique du sud.
- See Bouché, Henri: Échecs et deuils de l'aviation transatlantique.
- See Bremen: La traversée de l'Atlantique nord, d'Irlande au Labrador, par l'avion allemand "Bremen" le 12 avril 1928.
- See Bremen: La traversée de l'Atlantique par le "Bremen."



ATLANTIC. *See* Earhart, Amelia: 20 Hrs. 40 Min., our flight in the Friendship: The American girl, first across the Atlantic by air, tells her story.

— *See* Friendship: Traversée de l'Atlantique.

— *See* Georgii, Walter: Die meteorologischen Grundlagen des transatlantischen Luftverkehrs.

— *See* Gruson, F.: Cronique d'aviation. Le concours de Vauville. L'accident du Couzinet. La tentative transatlantique Courtney.

— *See* Italy: Traversée Italienne de l'Atlantique Sud.

— *See* Koehl, Herman, James C. Fitzmaurice, and Guenther von Huenefeld: The three musketeers of the air. Their conquest of the Atlantic from east to west.

— *See* L Rö 1: Transatlantik-Projekt "L Rö 1."

— *See* Mercier: Le dirigeable transatlantique.

— *See* Meteorology: Les conditions météorologiques des plus fameux vols transatlantiques.

— *See* Rossi, Giovanna: Le rotte aeree attraverso l'Atlantico.

— *See* Rysky, Carlo de: Le aviolinee transatlantiche e i servizi postali col Sud America.

— *See* Weiss, Pierre: La bataille de l'Atlantique.

ATLAS. Air-line atlas of the world.

New York, C. S. Hammond & Co., 1928, pp. 16, ill.

ATMOSPHERE. *See* Bossolasco, M.: Il concambio di masse nella libera atmosfera.

— *See* Camiciotti, Dante: Bibliografia sugli atmosferici.

— *See* Eredia, Filippo: L'esplorazione dell'atmosfera a mezzo di cervi volanti e di sferici.

— *See* Hess, V. F.: The electrical conductivity of atmosphere and its causes.

— *See* Obata, Juichi, Yukio Munetomo and Yahei Yosida: Directional observations of the radio-atmospheric disturbances.

— *See* Wenk, F.: Die Vertikalströmungen der Atmosphäre und der Flug.

ATSUKI, KATSUMOTO, and RYO SHINODA. Researches on cellulose acetate and its solution. I. Composition of cellulose acetate lacquer for aeroplane dope.

Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 32 (Vol. 3, 2), (Feb. 1928), Tokyo, pp. 49-68, diags., tabs.

ATSUKI, KATSUMOTO. Researches on cellulose acetate and its solution. II. Stability of cellulose Acetate.

Report of the Aeronautical Research Institute, Tokio Imperial University No. 33 (Vol. 3, 3), (Feb. 1928), Tokyo, pp. 71-88.

ATSUKI, KATSUMOTO, and RYO SHINODA. Researches on cellulose acetate and its solution. IV. On the acetylation of cellulose.

Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 35 (Vol. 3, 5), (Feb. 1928), Tokyo, pp. 103-111.

— Researches on cellulose acetate and its solution. V. Relation of temperature and time of ripening to the viscosity of cellulose acetate.

Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 36 (Vol. 3, 6), (March 1928), Tokyo, pp. 115-123, diagr.

ATSUKI, KATSUMOTO. *See* Tanaka, Yoshio, and Katsumoto Atsuki: Researches on cellulose acetate and its solution. III. Stabilizer for cellulose acetate.

- ATTAL, SALVATORE. *La difesa aerea territoriale.*  
Rivista Aeronautica, Anno 4, N. 11 (Nov. 1928), Roma, pp. 301-320.
- AUER, STUART F. *The Travel Air OX5 with duralumin floats.*  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 382, ill.
- AUSTRALIA. *Air tours to Central Australia.*  
Flight, Vol. 20, No. 47 (Nov. 22, 1928), London, pp. 999-1000, ill.
- *Flying to Australia.*  
Flight, Vol. 20, No. 17 (Apr. 26, 1928), London, pp. 288-289, ill.
- *Private flying in Australia.*  
Flight, Vol. 20, No. 5 (Feb. 2, 1928), London, p. 69.
- *R. A. A. F. survey flight round Australia.*  
Flight, Vol. 20, No. 39 (Sept. 27, 1928), London, pp. 835-837, map.
- *See Bearley, Norman: Air mail and transport in Australia.*
- *See Gilbert-Lodge, J. G.: Progress of civil aviation in Australia.*
- *See Henry, A.: Flying doctors; Australian inland mission.*
- *See Hinkler, Bert.: Flying in an Avro-Avian biplane.*
- *See Hinkler, Bert.: My flight to Australia.*
- *See Robertson, F. A. de V.: Aviation in Australia.*
- AUSTRIA. *See Langsdorff, v.: Oesterreichische Segelflugzeuge.*
- *See Stratowa, Wulf von: Österreichs Bedeutung im Luftverkehr.*
- AUTOGIRO. *Autogiro light 'plane.*  
Flight, Vol. 20, No. 35 (Aug. 30, 1928), London, pp. 749-750, ill.
- *The Autogiro's European tour.*  
Flight, Vol. 20, No. 44 (Nov. 1, 1928), London, pp. 960-961.
- *Progress of the autogiro.*  
Flight, Vol. 20, No. 7 (Jan. 16, 1928), London, pp. 102-103.
- *La traversée de la Manche de l'Autogire.*  
La Nature, No. 2796 (1er nov. 1928), Paris, p. 423.
- *See Bouché, Henri: La consécration de l'autogire.*
- *See Caygill, L. E., and A. E. Woodward Nutt: Wind tunnel and dropping tests of autogyro models.*
- *See Cierva: The Cierva autogiro.*
- *See Cierva, Juan de la: L'autogire.*
- *See Dollfus, Charles: Impressions d'un passager d'autogire.*
- *See Ferrari, C.: Esperienze con elica autorotante.*
- *See Glauert, H.: A general theory of the autogiro.*
- *See Glauert, H.: Lift and torque of an autogyro on the ground.*
- *See Hydravion: Demonstration met de autogiro.*
- *See Lock, C. N. H.: Further development of autogyro theory.*
- *See Wimperis, H. E.: The rotating wing in aircraft.*
- AUTOMATIC piloting. *See Mioche, R.: Le pilotage semi-automatique des avions.*
- AUTOROTATION. *See Sutton, H. A.: Effect of cellule arrangement on the rate of autorotation calculated by the "strip" method.*

- AVIAN.** The Avro "Avian III" airplane (British).  
National advisory Committee for Aeronautics, Aircraft Circulars No. 70, Washington.  
April 1928, pp. 6, ill.
- AVIATION.** Aerial achievements of the month.  
Current History Magazine of the N. Y. Times, Vol. 28 (June 1928), New York, pp. 460-463,  
maps.
- Aviation, a lusty infant industry.  
Literary Digest, Vol. 99 (Nov. 17, 1928), New York, pp. 82-85.
- In the American air.  
Nation, Vol. 126 (Feb. 22, 1928), New York, p. 201.
- Milestones in the air.  
Review of Reviews, Vol. 77 (April 1928), New York, pp. 439-440.
- Planned aviation.  
Outlook, Vol. 129 (May 2, 1928), New York, p. 19.
- AVIATORS.** *See* Pilots.
- AVIMETA.** Le monoplan Avimeta Avim 92.  
L'Aérophile, 36e année, Nos. 1-2 (1er-15 jan. 1928), Paris, p. 21, ill.
- Two new French civil machines.  
The Aeroplane, Vol. 34, No. 1 (Jan. 4, 1928), London, pp. 12, 14, ill., diagr.
- AVRO.** Avro "Avian" for seal fishing.  
Flight, Vol. 20, No. 2 (Jan. 12, 1928), London, p. 23, ill.
- The Avro "avian" light airplane.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, p. 606, ill.
- Avro "Avian" Mk. III. adapted for air survey.  
Flight, Vol. 20, No. 15 (Apr. 12, 1928), London, p. 253, diagr.
- The Avro "Avian III."  
Flight, Vol. 20, No. 10 (Mar. 8, 1928), London, pp. 152-156, ill., diagr.
- The Avro "Buffalo Mk. II."  
The Aeroplane, Vol. 34, No. 25 (June 20, 1928), London, p. 384, ill.
- The Avro commercial monoplane.  
The Aeroplane, Vol. 34, No. 10 (Mar. 7, 1928), London, p. 322, ill.
- A light survey aeroplane, Avian.  
The Aeroplane, Vol. 34, No. 13 (Mar. 28, 1928), London, pp. 422, ill.
- A new Avro commercial monoplane, 610.  
Flight, Vol. 20, No. 10 (Mar. 8, 1928), London, p. 162, ill.
- *See* Avian III: The Avro "Avian III" airplane (British).

## B

- B. M. W.** B. M. W.  
Flug-Woche, 10 Jahrg., Heft 9, 1928, Berlin, pp. 263-264.
- B. B. T. CORPORATION.** Phare pour l'aéronautique.  
La Nature, No. 2798 (1er déc. 1928), Paris, p. 521.
- BACALAN.** *See* Dyle et Bacalan: Avion Dyle et Bacalan D. B. 20.
- BACH.** The Bach "Air Yacht."  
Flight, Vol. 20, No. 31 (Aug. 9, 1928), London, pp. 686-687, ill.
- BACHE, R.** Dummy flyers make air safe.  
Pop. Meeh., Vol. 49, No. 1 (Jan. 1928), Chicago, pp. 104-105, ill.  
Parachutes.
- BACON, E. F., and J. W. WAGNER.** Where perpetual winter reigns.  
Scient. Amer., Vol. 138 (April 1928), New York, pp. 342-344, ill.  
Altitude flying.



- BACON, GERTRUDE. *Memories of land and sky.*  
London, Methuen & Co. [1928], pp. viii, 244, ills.
- BADER, H. G. *Handbuch für Flugzeugführer. Unter mitarbeit von Barth, Blume, Boykow, Gossiau, Lempertz, Leonhardy und v. Mitterwallner.*  
Berlin, VDI-Verlag, 1928, pp. 193, ills.
- BADUEL, CESARE. *L'aviazione nel soccorso e l'opera delle Croci Rosse.*  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 430-433.
- BAEUMKER, A. *Dem Gedächtnis von Hans Hackmack.*  
*Zeitschr. Flugt. Motorluftsch.*, 19. Jahrg., Heft 6 (28. März 1928) München und Berlin, pp. 132-133, port.
- BAGGIANI, LUIGI. *La radiotrasmissione delle immagini fra aerei e terra.*  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 18-31, ill.
- BAGHDAD. *See Hill, R. M.: Experiences on the Cairo-Baghdad air mail.*
- BAILEY, GEORGE CYRIL. *Complete airman.*  
New York, E. P. Dutton & Co., 1928, pp. xi-269, ill.
- BAKER, J. F. *Secondary stresses in airship hull structures. Part III.—An experimental investigation.*  
*Journ. Roy. Aer. Soc.*, Vol. 32, No. 215 (Dec. 1928), London, pp. 1021-1041, ills., tabs.
- *Stresses in a stiff-jointed polygonal frame under a system of loads perpendicular to the plane of the frame.*  
*Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27*, London, 1928, pp. 603-611, ills., diags.
- BALDIT, A. *Les routes aériennes de l'Atlantique: Aperçu météorologique.*  
Paris, Gauthier-Villars et Cie., 1928, pp. 122.
- BALDO, ITALO. *Guidoni, del Prete, Penzo.*  
*Rivista Aeronautica*, Anno 4, N. 11 (Nov. 1928), Roma, pp. 193-202, ills., ports.
- BALFOUR, H. *Private flying for business purposes.*  
*Flight*, Vol. 20, No. 39 (Sept. 27, 1928), London, p. 838, ill.
- BALLAST. *See Tourrette, A.: La récupération du lest à bord des dirigeables.*
- BALLOONS. *Ballon libre pour grande altitude.*  
*L'Aéronautique*, 10me année, No. 107 (avril 1928), Paris, p. 128, ill.
- *Stabilisation automatique des ballons en altitude.*  
*La Nature*, No. 2786 (1er juin 1928), Paris, p. 519, ill.
- *See Eredia, Filippo: La determinazione della forza ascensionale dei palloni piloti.*
- *See Macher, Max: Gite sopra le Alpi in pallone libero.*
- *See Riedinger: Riedinger.*
- BALOS, HENRY H. *The problem of aviation insurance.*  
*Aviation*, Vol. 24, No. 24 (June 11, 1928), New York, pp. 1680, 1709-1711.
- BALSORANO, C. LEFEBVRE di. *L'aviazione tedesca.*  
*L'Aerotechnica*, Vol. 8, N. 5 (Mag. 1928), Anno 6, Pisa, pp. 310-326.
- BAMBER, MILLARD J. *See Knight, Montgomery, and Millard J. Bamber: Preliminary report on the flat-top lift curve as a factor in control at low speed.*
- *See Reid, Elliot G., and M. J. Bamber: Preliminary investigation on boundary layer control by means of suction and pressure with the U. S. A. 27 airfoil.*

- BARANOFF, A. v. Einige Ergebnisse von Rechnungen über den Übergang eines Flugzeugs ins Trudeln.  
 Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 147-150, ill.
- BARBER, HORATIO. Aerobatics; with a foreword by W. G. Kilner.  
 New York, Robt. M. McBride Co., 1928, pp. xii, 15-78.
- Thè aeroplane speaks; with an introduction by Professor Alexander Klemin.  
 New York, R. M. McBride & Company, 1928, pp. 148, ill., diags.
- Insurance writers and aeronautics.  
 Aviation, Vol. 25, No. 10 (Sept. 1, 1928), New York, pp. 702, 746, 748.
- BARBERIS, LUIGI. Registri di classificazione.  
 IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 452-460.
- BARCELONA. Aeropuerto nacional de Barcelona.  
 Ibèrica, año 15, Núm. 753 (29 dic. 1928), Barcelona, pp. 388-389.
- See Rome: Inauguración de la linea aérea Roma-Barcelona.
- BARENDREGT, J. Hoogteberekening van vliegtuigen door middel van luchtfo-  
 tografie.  
 Het Vliegveld, 12de Jaarg., No. 1 (Jan. 1928), Amsterdam, pp. 24-26, ill.
- BARKER, FOWLER W. Barnstorming in a Ford tri-motor.  
 Aviation, Vol. 25, No. 26 (Dec. 22, 1928), New York, pp. 2036-2037, ill.
- Our aircraft in foreign operation.  
 Aviation, Vol. 25, No. 14 (Sept. 29, 1928), New York, pp. 1016-1017, ill.
- BARNWELL, F. S. A note on lateral control with a cantilever monoplane wing.  
 Aircraft Engineer suppl. to Flight, Vol. 20, No. 39 (Sept. 27, 1928), London, pp. 834a-834b.
- BAROGRAPHS. Un barographe "inviolable."  
 L'Aéronautique (L'Aérotechnique, 6me année, No. 63), 10me année, No. 106 (mars 1928), Paris, p. 104, ill.
- See Oddone, Emilio: Sulla teoria dei barografi altimetrici e su di un  
 apparecchio per la loro verifica nei campi d'aviazione.
- BARROS. Indicateur de vitesse limite Barros.  
 La Nature, No. 2786, (1er juin 1928), Paris, p. 519.
- BARTLETT, MARGARET. Women's response to aviation.  
 Aeronautic Review, Vol. 6, No. 3 (March 1928), Washington, D. C., p. 39.
- BASU, JATINDRA NATH. Contribution to the design and calculation of fuel cams  
 and fuel valves for Diesel engines.  
 National Advisory Committee for Aeronautics, Technical Memorandums No. 477, August  
 1928, Washington, pp. 32, ill., diags., tabs. From Der Motorwagen, May 10 and July 31,  
 1927.
- BATEMAN, H., H. C. H. TOWNSEND, and T. A. KIRKUP. Experiments with a  
 family of airscrews, including effect of tractor and pusher bodies. Part IV.—  
 On the effect of placing an airscrew in various positions within the nose of a  
 streamline body.  
 Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 291-317, ill., tabs.  
 diags.
- BATSON, A. S., A. S. HALLIDAY, and A. L. MAIDENS. The distribution of pressure  
 over a monoplane and a biplane with wings of unequal chord and equal span.  
 Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 181-208,  
 ill., diags., tabs.



- BATSON, A. S., D. H. WILLIAMS, and A. S. HALLIDAY. Part I.—Rolling and yawing moments due to rolling and to ailerons, by A. S. Batson; with an appendix on lift and drag measurements by D. H. Williams and A. S. Halliday.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 271-290, ills., diags., tabs.
- BATSON, A. S. *See* Irving, H. B., A. S. Batson, and C. H. Burge: The effects of stagger and gap on the aerodynamic properties of biplanes at large angles of incidence.
- *See* Irving, H. B., and A. S. Batson: Further experiments on a model of the "Bantam" aeroplane with special reference to the "flat" spin.
- *See* Irving, H. B., A. S. Batson, and D. H. Williams: Model experiments on R. A. F. 31 aerofoil with Handley Page slot.
- *See* Irving, H. B., A. S. Batson, and A. L. Maidens: Model experiments with rear slots and flaps on aerofoils R. A. F. 31 and R. A. F. 26.
- *See* Irving, H. B., and A. S. Batson: Rolling experiments on an aerofoil of R. A. F. 32 section.
- BATTEN, JOHN D. An approach to winged flight.  
Brighton, The Dolphin Press, 1928, pp. vi, 56, ill.
- BATUT, R. La photographie aérienne. Un précurseur.  
La Nature, No. 2787 (15 juin 1928), Paris, p. 574.
- BAUD, MAURICE. Paris—Le Cap—Paris.  
L'Aérophile, 36e année, Nos. 19-20 (1er-15 oct. 1928), Paris, pp. 293-294, ills., map.
- BAYARD, CLÉMENT. Clément Bayard.  
L'Aérophile, 36e année, Nos. 11-12 (1er-15 juin 1928), Paris, p. 187, port.
- BAYERISCHE. Bayerische Flugzeugwerke.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 230-232, ills.
- BAYERISCHE MOTOREN WERKE. B. M. W. engine developments.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 35, No. 22 (Nov. 28, 1928), London, pp. 888-890, ill.
- BEACH, S. Good will follows the skies; exploits of D. Costes and J. Lebrix.  
Independent, Vol. 120 (Feb. 25, 1928), Boston, pp. 190-191.
- New bridges for old continents.  
Independent, Vol. 120 (May 26, 1928), Boston, pp. 510-511.
- Skies yield to a westward invasion.  
Independent, Vol. 120 (April 28, 1928), Boston, pp. 414-415.
- Will disarmament come from the air?  
Independent, Vol. 121 (Sept. 15, 1928), Boston, pp. 262-263.
- BEACHAM, T. E. *See* Hele-Shaw, H. S., and T. E. Beacham: The variable pitch airscrew, with a description of a new system of hydraulic control.
- BEACONS. *See* Burgess, George K.: Aircraft radio beacon development.
- BEAMISH, HERBERT. Flying above the Alps.  
Airways, Vol. 4, No. 6 (Feb. 1928), London, pp. 201-202, ill.
- BEAMISH, RICHARD JOSEPH. Boy's story of Lindbergh, the Lone Eagle.  
Philadelphia, John C. Winston Co., 1928, pp. 320, ill.
- BEAMS. *See* Niles, A. S.: Precise formulas for restrained beam with axial load of compression, equal end moments and two symmetrically placed side loads.
- BEAR, R. M. *See* Zahm, Albert Francis, and R. M. Bear: A study of wing flutter; in three parts: Part I, Vibration of MO-1 tail plane and other airfoils. \* \* \* Part III, design of spars for equal flexure.

- BEARDMORE. The Beardmore "Inflexible."  
Flight, Vol. 20, No. 14 (Apr. 5, 1928), London, pp. 225-226, ill.
- BEARDSLEY, EDWARD G. See Joachim, W. F., and Edward G. Beardsley: The effects of fuel and cylinder gas densities on the characteristics of fuel sprays for oil engines.
- BEARLEY, NORMAN. Air mail and transport in Australia. Aviation, Vol. 25, No. 20 (Nov. 10, 1928), New York, pp. 1480-1481, 1516, 1518, ill., map.
- BEAUMONT, CHRISTOPHER. Pioneers of yesterday and to-day.  
Airways, Vol. 4, No. 5 (Jan. 1928), London, pp. 183-186, ill.
- BEAZELEY, C. A. Survey from aircraft.  
(Pamphlet) Professional Paper No. 20. Nature, Vol. 122, No. 3080 (Nov. 10, 1928), London, p. 746.
- BECK, WALDEMAR. Kurzer Bericht. Über den Verlauf der XVII. Ordentlichen Mitgliederversammlung der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) vom 2-5. Juni 1928, Danzig.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 12 (28. Juni 1928), München und Berlin, pp. 265-270.
- BECK, WALDEMAR. Die XVII. W. G. L.-Tagung in Danzig.  
Luftfahrt, 32. Jahrg., Nr. 13 (7. Juli 1928), Berlin, pp. 201-202.
- BECKER, M. L. Reader's guide; aviation stories, lives of flyers, etc.  
Saturday Review of Literature, Vol. 4 (Mar. 31, 1928), New York, p. 729.  
Bibliography.
- BEDENDO, SEBASTIANO. Dispositivi per la determinazione delle reazioni dei comandi.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 32-39, ill.
- BEEBE, B. B. Flying, 1890-1929.  
Overland Monthly, ns., Vol. 86 (July 1928), San Francisco, p. 243.
- BELL, ROBERT B. Flying among the colleges.  
Aeronautic Review, Vol. 6, No. 5 (May 1928), Washington, D. C., p. 68.
- BELLAH, JAMES WARNER. Commercial flying in England.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, pp. 897, 1022, 1024, ill.
- The London test raids.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 668-669, 857, ill.
- BELLANCA. Bellanca sesquiplane.  
Scient. Amer., Vol. 139 (Sept. 1928), New York, pp. 258-259, ill.
- Bellanca Model P.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, p. 974, ill.
- Bellanca 6-passenger monoplane model CH.  
Aero Digest, Vol. 12, No. 4 (April, 1928), New York, p. 594, ill.
- BELTRAMI, GIAN MARIO. Obiettivi e organizzazione di comando nella guerra aerea.  
Rivista Aeronautica, Anno 4, N. 2 (Feb. 1928), Roma, pp. 239-252.
- Politiche aerea europee.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 459-482.
- BELTRAMO, ANTONIO. Gli osservatori dall'aeroplano per il R. Esercito.  
Rivista Aeronautica, Anno 4, N. 6 (Giugno 1928), Roma, pp. 468-480.
- BEMMELEN, H. M. VAN. Het school- en sportvliegtuig Klemm type L. 25.  
Het Vliegveld, 12de Jaarg., No. 9 (Sept. 1928), Amsterdam, pp. 266-268, ill.

- BENDIX. The Bendix aero wheels and brakes.  
Flight, Vol. 20, No. 12 (Mar. 22, 1928), London, p. 193, ill.
- BENNETT, A. E. Airport located at fair grounds, Aberdeen, S. D.  
American City, Vol. 38 (Feb. 1928), New York, p. 148, plan.
- BENTLEY, R. R. Some technical aspects of the flight to and from Cape Town.  
Journ. Roy. Aer. Soc., Vol. 32, No. 214 (Oct. 1928), London, pp. 872-884.
- BERETTA, J. W. San Antonio chapter successfully handles American Legion air activities at convention.  
Aeronautic Review, Vol. 6, No. 10 (Oct. 1928), Washington, D. C., pp. 152, 155.
- BERGER, A. L. Aircraft engine superchargers.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 98, 100, ill., diagr.
- BERGET, A. L'air et sa conquête.  
Paris, Larousse, 1927, pp. 312.
- BERLIN. Berlijnsche luchtvaart-tentoonstelling "Ila 1928."  
Het Vliegveld, 12 de Jaarg., No. 10 (Oct. 1928), Amsterdam, pp. 281-286, ill.
- The Berlin international aero show.  
Flight, Vol. 20, No. 41 (Oct. 11, 1928), London, pp. 863-868, ill.
- British exhibits at the 1928 Berlin aero show.  
Flight, Vol. 20, Nos. 41-44 (Oct. 11-Nov. 8, 1928), London, pp. 869-890, 907-922, 931-936, 952-954, 973-976, ill.
- Regulations for the International aeronautical exhibition, Berlin, 1928, October 7th-28th.  
Berlin, B. Paul, 1928, pp. 17, ill.
- See Deutsche Versuchsanstalt für Luftfahrt: L'exposition du "D. V. L." à Berlin.
- See Ducout, Marcel: Le Salon de Berlin.
- See France: Les nouveaux avions françaises exposés au Salon de Berlin.
- See Royal Aeronautical Society: The Royal Aeronautical Society at the International Aeronautical Exhibition Berlin, October 7-21, 1928.
- BERLINER. See Neely, Frederick R.: The Berliner monoplane.
- BERLINGIERI, FRANCESCO. Sull'impellente necessità di un accordo internazionale circa i principi relativi alle limitazioni delle responsabilità dei proprietari ed esercenti di aeromobili.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 461-466.
- BERNARD, HUBERT. See Lefranc, Jean-Abel: Avions d'avenir. I. Avion Bernard Hubert.
- BERTOLINI, C. La mostra dell'aeronautica all'esposizione di Torino.  
Rivista Aeronautica, Anno 4, N. 7 (Luglio 1928), Roma, pp. 134-140, ill.
- BERTRAN, E. M. Propeller data for performance estimates.  
Aero Digest, Vol. 12, Nos. 3-4 (Mar.-April 1928), New York, pp. 346-348, 465; 514-516, 704, charts.
- BESANCON, GEORGES. L'année aéronautique, 1927. Rapport présenté à l'assemblée générale de l'Aéro-Club de France.  
L'Aérophile, 36e année, Nos. 7-8, 9-16 (1er-15 avril, mai 1928), Paris, pp. 99-103, 150-153, ill.
- BETZ, A. Considerations on propeller efficiency.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 481, September 1928, Washington, pp. 20, ill., diagrs.  
From Zeitschrift für Flugtechnik und Motorluftschiffahrt, April 28, 1928.



- BETZ, A. Propeller problems.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 491, December 1928, Washington, pp. 13, ill.
- Windmills in the light of modern research.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 474, August 1928, Washington, pp. 27, ill., diags.  
From *Die Naturwissenschaften*, Volume XV, No. 46, November 18, 1928.
- Der Wirkungsgradbegriff beim Propeller.  
*Zeitschr. Flugf. Motorluftsch.*, 19. Jahrg., Heft 8 (28. April 1928), München und Berlin, pp. 171-177, ills., diags.
- Zur Theorie der Querruder.  
*Zeitschr. Ver. deutsch. Ing.*, Bd. 72, Nr. 42 (20 Okt. 1928), Berlin, p. 1513, diagr.
- BIBLIOGRAPHY. Bibliographie des sciences aéronautiques.  
Paris, F. Louis Vivien.
- See Brockett, Paul: Bibliography of aeronautics.
- BIDDLECOMBE, C. H. See Whirlwind engines: Wright Whirlwind engine operation.
- BILANCINI, RAOUL. Sopra una caratteristica geometrica dei diagrammi anemologici di frequenza.  
*L'Aerotechnica*, Vol. 8, N. 4 (Aprile 1928), (Anno 6), Pisa, pp. 252-265, ills.
- See Borriello, Luisa, e Raoul Bilancini: Primi profili di un protolano meteoroaerologico.
- BILANCIONI, GUGLIELMO. Svolgimento storico del concetto di "aria."  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 439-487, ills.
- BINGHAM, HIRAM. Honorable Hiram Bingham. (Elected president National Aeronautic Association).  
*Aeronautic Review*, Vol. 6, No. 9 (Sept. 1928), Washington, D. C., p. 131, port.
- BINGHAM, KATHLEEN. E. The constitution and age-hardening of some ternary and quaternary alloys of aluminium containing nickel.  
*Aeronautics. Techn. Rep. Aer. Res. Comm.* 1926-27, London, 1928, pp. 780-797, ills., diags., tabs.
- BIONDI, LUIGI. Le prove in quota degli apparecchi controllate coi risultati delle prove sulla base.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 40-55, diags., tabs.
- BIONDI, LUIGI, ed G. SANTORO. Trattato elementare di navigazione aerea.  
Milano, U. Hoepli (Unione tip.), 1928, pp. xi, 319, ill.
- BIRD. The Bird biplane.  
*Aero Digest*, Vol. 13, No. 5 (Nov. 1928), New York, p. 938, ill.  
*Aviation*, Vol. 25, No. 5 (July 28, 1928), New York, pp. 330, 348-350, ill.
- BIRD flight. See Boel, Maurice: L'écart des vitesses chez l'oiseau.
- See Boel, M.: Scientific studies of bird flight.
- BLACK, ARCHIBALD, and PHILIP H. CAINE. Accounting in aircraft operations.  
*Aviation*, Vol. 24, No. 2 (Jan. 9, 1928), New York, pp. 98-100.
- BLACKBURN. The Blackburn Lyncock.  
*The Aeroplane*, Vol. 34, No. 20 (May 23, 1928), London, pp. 732, 734, ill.
- BLACKBURN AEROPLANE Co. A visit to Brough.  
*Flight*, Vol. 20, No. 21 (May 24, 1928), London, pp. 378-381, ill.



- BLACKPOOL. Blackpool air pageant.  
Flight, Vol. 20, No. 28 (July 12, 1928), London, pp. 586-593, ill.
- BLAIN, MAURICE. L'hélice et l'avion de demain.  
Paris, Desforges, Girardet et Cie.
- BLAIR, WILLIAM R. Meteorology for aviation.  
Proc. Amer. Philos. Soc., Vol. 67, No. 3, 1928, Philadelphia, pp. 199-318, ill.
- BLAKE, A. E. World airways of the future.  
Living Age, Vol. 334 (Mar. 15, 1928), New York, pp. 544-548, map.
- BLANCHARD, LÉON. *See* Blanchet, Georges: Aviateurs contemporains. Léon Blanchard.
- BLANCHET, GEORGES. A la mémoire des héroïques pionniers de l'Atlantique du sud.  
L'Aérophile, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, p. 72.
- Aviateurs contemporains. Henry Faillant.  
L'Aérophile, 36e année, Nos. 1-2 (1er-15 jan. 1928), Paris, pp. 2, 6, port.
- Aviateurs contemporains. Le capitaine Robert Le Petit.  
L'Aérophile, 36e année, Nos. 17-18 (1er-15 sept. 1928), Paris, p. 258, port.
- Aéronautes contemporains. Le général Saconney.  
L'Aérophile, 36e année, Nos. 21-22 (1er-15 nov. 1928), Paris, pp. 322, 334, port.
- Aviateurs contemporains. Léon Blanchard.  
L'Aérophile, 36e année, Nos. 3-4 (1er-15 fév. 1928), Paris, p. 34, port.
- Aviateurs contemporains. Lucien Bossoutrot.  
L'Aérophile, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, pp. 66, 81, port.
- Aviateurs contemporains. Max Knipping.  
L'Aérophile, 36e année, Nos. 7-8 (1er-15 avril 1928), Paris, p. 98, port.
- Aviateurs contemporains. René Caudron.  
L'Aérophile, 36e année, Nos. 9-10 (1er-15 mai 1928), Paris, pp. 130, 143, port.
- La coupe Gordon-Bennett des ballons libres.  
L'Aérophile, 36e année, Nos. 17-18 (1er-15 sept. 1928), Paris, pp. 262-264, ill.
- La croisière du "Primauguet" autour du monde.  
L'Aérophile, 36e année, Nos. 3-4 (1er-15 fév. 1928), Paris, pp. 39-40, ill.
- BLENK, H. Ergebnisse und Erfahrungen aus dem Sachsenflug 1927.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 5 (14 März 1928), München und Berlin, pp. 100-105, diag., tabs.
- Gegenwartsfragen der Aerodynamik.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 40 (6. Okt. 1928), Berlin, pp. 1395-1401, ill.
- *See* Seewald, F., H. Blenk, and F. Liebers: The 1926 German seaplane contest. I: Lessons taught, by F. Seewald. Part II: Method of rating, by H. Blenk and F. Liebers.
- BLÉRIOT. Avion Blériot 127.  
La Nature, No. 2797 (15 nov. 1928), Paris, p. 471, ill.
- Blériot combat monoplane 127 (French).  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 86, Washington, November 1928, pp. 5, ill.
- Blériot-Spad 91 airplane (French). Pursuit single-seater, type "Jockey."  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 74, Washington, May 1928, pp. 4, ill.
- BLÉRIOT, LOUIS, et EDOUARD RAMOND. La gloire des ailes.—L'aviation de Clément Ader à Costes.  
Paris, Editions de France, 1928, pp. 335.

- BLESSING, A. R. Airships versus airplanes.  
North American Review, Vol. 226 (July 1928), New York, pp. 53-63.
- Some bibliographical notes on airships.  
Library Journal, Vol. 53 (Feb. 15, 1928), New York, pp. 171-172.
- BLEY, WULF. Fern-Verkehrsfüge.  
Flugwoche, 10. Jahrg., Heft 7, 8, 1928, Berlin, pp. 170-171, 202.
- BLOOD pressure. See Anastasiu, Victor: Contribution à l'étude de la tension artérielle chez les aviateurs.
- BLYTHE, R. R. See Bruno, H. A., and R. R. Blythe: The public relations counsel in aeronautics.
- BOATS. See Budig, Friedrich: Das Tragflächen-Motorsegelboot.
- BOCK, WILLI. Der Azorenflug der "Heinkel D1220" im Herbst 1927.  
Der Luftweg, Heft 5, 6, Jahrg. 1928 (10, 25 März 1928), Berlin-München, pp. 34-37, 50-51, ills.
- BÖHN, ALOIS ROBERT. Junkers-Frachtflugzeug W33 als Transozean-Flugzeug "Bremen."  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 40 (6 Okt. 1928), Berlin, pp. 1435-1440, ills. diags.
- Sur la voie du grand avion.  
L'Aéronautique, 10me année, No. 115 (déc. 1928), Paris, pp. 417-421, ills.
- Die wissenschaftlichen Referate auf dem IV. Internationalen Kongress in Rom.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 2 (28. Jan. 1928), München und Berlin, pp. 37-40.
- BOEING. The Boeing B-1D flying boat.  
Aviation, Vol. 24, No. 24 (June 11, 1928), New York, pp. 1681, 1712-1713, ill.
- The Boeing Model 80.  
Aviation, Vol. 25, No. 10 (Sept. 1, 1928), New York, pp. 703, 736, 740, ill.
- The Boeing Model 81.  
Aviation, Vol. 25, No. 4 (July 21, 1928), New York, pp. 260, 287-288, ill.
- Boeing sport and training plane.  
Aero Digest, Vol 13, No. 2 (Aug. 1928), New York, p. 263, ill.
- Boeing 12 passenger model 80 transport.  
Aero Digest, Vol 13, No. 3 (Sept. 1928), New York, pp. 438, 440, ill., diagr.
- BOEL, MAURICE. L'écart des vitesses chez l'oiseau.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 39-42, ills.
- Scientific studies of bird flight.  
American Society of Mechanical Engineers, advance paper for meeting, June 28-29, 1928, pp. 6.
- BOFFITO, GIUSEPPE. Biblioteca aeronautica italiana illustrata.  
Firenze, Leo S. Olschki Editore, pp. cxvi, 544, ills.  
Precede uno studio sull' aeronautica nella letteratura, nell' arte e nel folklore.
- Corriere aeronautico internazionale. Servizio dell'aria.  
Pubblicazioni dell' Osservatorio del Collegio alla Querce (Firenze), Serie in 4°, No. 47. Firenze, Leo S. Olschki, editore, 1928, pp. 16.
- BOGART, FRANK. Flying in the National Air Tour.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 230-231, 370, ill.
- BOGGIANO-PICO, EUGENIO. L'aviation marchande et la liberté des airs.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 467-475.

- BOGGIO-GILOT, ALDO. *See* Leveratto, Iperide, e Aldo Boggio-Gilot: Come si è ottenuta l'intercambiabilità degli idrovolanti S-59 bis di costruzione S. I. A. I., Macchi e Cant.
- BOKANOWSKI. La mort de M. Bokanowski. Le Ministère de l'Air. L'Aérophile, 36e année, Nos. 17-18 (1er-15 sept. 1928), Paris, pp. 259-260.
- BOKANOWSKI, MAURICE. La catastrophe aérienne de Toul. Maurice Bokanowski. L'Aéronautique, 10me année, No. 113 (oct. 1928), Paris, pp. 357-358, port.
- BOLAS, H. Notes on aeroplane brakes. Aeronautical Engineering, suppl. to The Aeroplane, Vol. 34, No. 22 (May 30, 1928), London, pp. 767-772, diagr.
- BOLLATI, AMBROGIO. I compiti dell'aeronautica nella lotta delle forze terrestri. secondo il nuovo codice tattico. Rivista Aeronautica, Anno 4, N. 11 (Nov. 1928), Roma, pp. 234-263.
- BOMBS. Costruzione ed efficacia delle bomba aerea. Rivista Aeronautica, Anno 4, N. 2 (Feb. 1928), Roma, pp. 319-328.
- Due idee e molte bombe. Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 181-184.
- *See* Wimperis, H. E.: The experimental determination of the trajectory of aircraft bombs.
- BONARETTI, A. W. Notizie sull' "Elektron" e sue applicazioni. IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 56-64.
- BONIFACIO, FERDINANDO. Problemi inerenti alla sicurezza, ai mezzi di salvataggio ed ai vari adattamenti a bordo dei velivoli da traffico. IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 65-73.
- BONNET, GEORGES. *See* Dumanois, Paul. Dynamomètre enregistreur, système Georges Bonnet, pour la mesure de la tension des commandes d'avions pendant le vol.
- BOONE, ANDREW R. Aviation in the west. Aviation, Vol. 24, No. 4 (Jan. 23, 1928), New York, pp. 198-199, ill.
- Campaigning for an airport. Aviation, Vol. 24, No. 6 (Feb. 6, 1928), New York, pp. 310-313, ill.
- Increasing the output to decrease costs. Aviation, Vol. 25, No. 3 (July 16, 1928), New York, pp. 178, 208-210, ill.
- Inside the exposition building. Aviation, Vol. 25, No. 13 (Sept. 22, 1928), New York, pp. 932-933, 962-978, ill.
- Regarding airports in California. Aviation, Vol. 25, No. 10 (Sept. 1, 1928), New York, pp. 700, 748-756, ill.
- BOOTHBY, F. L. M. The military value of airships. Aviation, Vol. 25, No. 22 (Nov. 24, 1928), New York, pp. 1621, 1632-1640, ill.
- BORCK, H. Zur Leistungsanalyse der Flugzeuge. Flugwoche, 10. Jahrg., Heft 7, 1928, Berlin, pp. 171-173.
- BORDEN, D. M. Wind tunnel test of 1/24 scale model of the Douglas O-2E-1 airplane wing cellule through 360 degrees. Air Corps Information Circular, Vol. 7, No. 612 (Feb. 15, 1928), Washington, Government Printing Office, 1928, pp. 5, diagrs., tabs.
- *See* Eales, E. N., and D. M. Borden: Wind-tunnel test of 1/20 scale model of the Matériel Division Night Observation Airplane.



- BORRIELLO, LUISA.** La circolazione atmosferica sull'Africa meridionale.  
Rivista Aeronautica, Anno 4, N. 6 (Giugno 1928), Roma, pp. 501-507, ills.
- BORRIELLO, LUISA, e RAOUL BILANCINI.** Primi profili di un portolano meteorologico.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 43-46.
- BOSSOLASCO, M.** Il concambio di masse nella libera atmosfera.  
L'Aerotechnica, Vol. 8, N. 10 (Ott. 1928), Anno 6, Pisa, pp. 813-826.
- BOSSOUTROT, LUCIEN.** See Blanchet, Georges: Aviateurs contemporains.  
Lucien Bossoutrot.
- BOSTON.** See Holcombe, Theodore G.: The Boston Airport.
- BOSTOPH, F. D.** A-M-L-O lubricating oil. New product has all advantages of coming from pure paraffin base crude oil and is 100 per cent wax free.  
Aviation, Vol. 24, No. 5 (Jan. 30, 1928), New York, pp. 261-262.  
Aviation motor lubricating oil.
- BOSWELL, R. O.** The theory of film lubrication.  
London, New York and Toronto, Longmans, Green and Co., Ltd., 1928, pp. xi, 280.
- BOUASSE, H.** Hydrodynamique générale; fluides parfaits et visqueux, ailes d'avions.  
Paris, Delagrave, 1928, pp. xxiii, 500, ill. (Bibliothèque scientifique de l'ingénieur et du physicien.)
- BOUCABEILLE.** L'aviation civile en France.  
Aéronautica, Vol. 2, No. 4 (April 1928), Amsterdam, pp. 50-53, ills.
- BOUCHÉ, HENRI.** Catapulte, paquebot et aviation marchande.  
L'Aéronautique, 10me année, No. 112 (sept. 1928), Paris, p. 333, ill.
- La consécration de l'autogire. M. de la Cierva, pilotant un autogire "C. 8-II," est venu de Londres à Paris avec passager, traversant La Manche à 1,200 mètres.  
L'Aéronautique, 10me année, No. 113 (oct. 1928), Paris, pp. 338-344, ills.
- Échecs et deuils de l'aviation transatlantique.  
L'Aéronautique, 10me année, No. 112 (sept. 1928), Paris, pp. 301-302, ills.
- Sur les lignes de l'aéropostale.  
L'Aéronautique, 10me année, No. 115 (déc. 1928), Paris, pp. 425-430, ills.
- BOUDREAUX, RAY H.** The Ocker-Myers method of blind flying.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 48, 183-185.
- BOULTON and PAUL.** The Boulton and Paul "Partridge."  
Flight, Vol. 20, No. 49 (Dec. 6, 1928), London, pp. 1029-1033, ills., diagr.
- The Boulton and Paul Sidstrand.  
The Aeroplane, Vol. 34, No. 13 (Mar. 28, 1928) London, pp. 418-422, ill., diagr.
- The Boulton & Paul "Sidstrand I."  
Flight, Vol. 20, No. 13 (Mar. 29, 1928), London, pp. 206-213, ill., diagr.
- The Boulton and Paul "Sidstrand I" bomber airplane (British).  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 71, Washington, April 1928, p. 13, ill.
- BOUMAN, L. F.** Iets over den Robinson richtingzoeker.  
Het Vliegveld, 12de Jaarg., No. 12 (Dec. 1928), Amsterdam, pp. 359-361, ill.
- De ontwikkeling van de radio-bakens voor de luchtvaart.  
Het Vliegveld, 12 de Jaarg., No. 11 (Nov. 1928), Amsterdam, pp. 322-323, port.
- BOURDARIAT, EDOUARD.** L'exposition du peintre Maurice Pellerier a l'Aéro-Club de France.  
L'Aérophile, 36e année, Nos. 7-8 (1er-15 avril 1928), Paris, p. 105.



- BOURGET. Le 8 mai, anniversaire du départ de "l'Oiseau Blanc," a été inauguré, à l'aéro-port du Bourget, un monument pour commémorer les premiers voies transatlantiques entre la France et les États-Unis, en 1927.  
L'Aérophile, 36e année, Nos. 9-10 (1er-15 mai 1928), Paris, p. 141, ill.
- BOURNE, R. Aerial survey in relation to the economic development of new countries with special reference to an investigation carried out in Northern Rhodesia.  
Oxford Forestry Memoirs, No. 9.
- BOUTIRON, P. L'évolution prochaine des appareils marins et leur adaptation aux grandes lignes aéro-maritimes de l'avenir.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 40-53.
- BOWEN, I. See Jennings, W. G., N. E. Rowe, and I. Bowen: The application of the algebraic formulae of R. & M. 1056 to problems of aircraft performance.
- BOWEN, R. Sidney, Jr. The All-American aircraft show in retrospect.  
Aviation, Vol. 24, No. 18 (Apr. 30, 1928) New York, pp. 1206-1207, 1239-1241, ill.
- Twenty-five years of famous flights.  
Aviation, Vol. 25, No. 23 (Dec. 1, 1928), New York, pp. 1702-1715, ill.
- BOWSER. See Griffith, C. P.: Bowser fueling equipment for airports.
- BOYKOW, HANS. Motorische Flugzeugsteuerung.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 91-98, ill.
- BRADFIELD, F. B., and A. S. HARTSHORN. Model tests of a combined slot and aileron control on a wing of R. A. F. 15 section. Push forward type of auxiliary.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 203-212, ills., diags., tabs.
- BRADFIELD, F. B., and R. A. FAIRTHORNE. On a method of delaying the opening of an autoslot (wind-tunnel experiment).  
Aeronautical Research Committee, Reports and Memoranda No. 1214, (Ae. 373.), Dec. 1928, London, 1928, pp. 6, ills., tabs., diags.
- BRADFIELD, F. B., and K. W. CLARK. Wind-tunnel tests of aerofoil R. A. F. 36.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 171-175, diags., tabs.
- Wind-tunnel tests on a R. A. F. 15 aerofoil with pilot planes.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 449-465, ills., diags., tabs.
- BRADFIELD, F. B. Scale effect on three aerofoils at low values of LV, R. A. F. 32, Göttingen 433, and Göttingen 410 with 2 per cent center line camber.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 165-170, diags., tabs.
- Slot and aileron control on a wing of R. A. F. 31 section, with various types of ailerons.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 213-228, ills., diags., tabs.
- Wind-tunnel tests on a wing covered with monel metal gauze.  
Aeronautics, Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 198-199, diagr.
- See Davies, H., and F. B. Bradfield: Wind tunnel test of aerofoil M. 2.
- BRADY. See Younger, J. E.: Wing flutter investigation on Brady's wind-tunnel model.

- BRAINARD, E. H. Marines take wings; Nicaraguan air fighting.  
Collier's, Vol. 81 (June 23, 1928), New York, pp. 8-9, ill.
- BRAKES. Le freinage des avions à l'atterrissage. Une méthode fondée sur un principe nouveau.  
L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, pp. 116-117, ill.
- Un freinage par crosse sur avion marin.  
L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, p. 117, ill.
- Freins sur roues d'avion et roues à frein.  
L'Aéronautique (L'Aérotechnique, 6e année, No. 61), 10me année, No. 104 (jan. 1928), Paris, pp. 17-18, ill.
- Hydraulic brakes for airplanes.  
Engineer, Vol. 145, No. 3775 (May 18, 1928), London, p. 544, ill.
- The new Palmer aircraft brake.  
Flight, Vol. 20, No. 43 (Oct. 25, 1928), London, p. 941, diagr.
- See Bolas, H.: Notes on aeroplane brakes.
- See Breguet, Louis: L'atterrissage et le freinage des avions.
- See Doty, G. H.: Wheel brakes and their application to aircraft.
- See Vickers: Vickers brakes for aeroplanes.
- BRAMSON, M. L. Safety devices for aircraft.  
Journ. Roy. Aer. Soc., Vol. 32, No. 208 (April 1928), London, pp. 247-263.
- Ungelöste Probleme der Luftfahrt.  
Der Luftweg, Heft 2, 3, Jahrg. 1928, (25. Jan., 10. Feb. 1928), Berlin-München, pp. 10-14, 18-19.
- BRANCHER, SEFTON. See Wingfield, Lawrence Arthur, and Reginald Brabant Sparkes: The law in relation to aircraft. With foreword by Air Vice-Marshal Sir Sefton Brancher.
- BRANIFF, P. Westbound mail.  
Literary Digest, Vol. 96 (Mar. 17, 1928), New York, p. 32.
- BRAZIER, L. G. The flexure of thin cylindrical shells and other "thin" sections.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 646-667, ill., diagrs.
- BRAZIL. See Cremer, M. C.: Aviation in Brazil.
- BREDA. The Breda A. 7 monoplane.  
Flight, Vol. 20, No. 11 (Mar. 15, 1928), London, pp. 170-171, ill.
- BREGUET. The Breguet XIX.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 202, ill.
- Breguet 19 type record de distance.  
La Nature, No. 2776 (1er jan., 1928), Paris, p. 45.
- BREGUET, LOUIS. L'atterrissage et le freinage des avions.  
C. R. Acad. Sci., T. 186, No. 23 (4 juin, 1928), Paris, pp. 1516-1518.
- Détermination et calcul du prix de revient des transports aériens.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma 1928, pp. 54-84, diagrs.
- On the take-off of heavily loaded airplanes.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 489, November, 1928, Washington, pp. 17.  
From La Revue Scientifique, 1927, No. 12.
- La politique des transports aériens commerciaux, selon M. Louis Breguet.  
L'Aérophile, 36e année, Nos. 3-4 (1er-15 fev. 1928), Paris, p. 59.

- BREMEN.** Technische Einzelheiten über das Ozeanflugzeug "Bremen."  
Flug-Woche, 10. Jahrg., Heft 3, 1928, Berlin, pp. 68-71, ills.
- La traversée de l'Atlantique nord, d'Irlande au Labrador, par l'avion allemand "Bremen" le 12 avril 1928.  
Le Genie Civil, T. 92, No. 19 (12 mai, 1928), Paris, pp. 468-469.
- La traversée de l'Atlantique par le "Bremen."  
La Nature, No. 2784 (1er mai 1928), Paris, p. 424.
- Zum Ozeanflug des Junkers-Flugzeuges Bremen.  
Forschungen und Fortschritte, 4. Jahrg., Nr. 14 (10. Mai 1928), pp. 142-143, ill.
- See Atlantic: Bremen's epic flight.
- See Atlantic: German plane crosses North Atlantic east to west.
- See Böhm, Alois Robert: Junkers-Frachtflugzeug W33 als Transoceanflugzeug "Bremen."
- See Gossow: Zum Oceanflug des Junkers-Flugzeuges "Bremen."
- See Hoepfner, Gerd von: Der Ozeanflug der "Bremen."
- BRENNER, PAUL.** Dynamische Festigkeit von Flugzeug-Konstruktionsteilen.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 5 (22. Dez. 1928), Berlin, pp. 1881-1886, ills.
- Die Leichtmetalle im Flugzeugbau.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 6 (28. März 1928), München und Berlin, pp. 121-124, ills.
- BREWER, GRIFFITH.** Adrift in a balloon. Free ballooning is an invaluable training ground for airship navigation.  
Airways, Vol. 4, No. 6 (Feb. 1928), London, pp. 199-200, ill.
- See Abbot, Charles Greeley: [Langley-Wright.]
- See Wright biplane: The original Wright biplane.
- BREWER, R. W. A.** Radial aero-engine design.  
Journ. Soc. Automotive Engineers, Vol. 22, No. 6 (June 1928), New York, pp. 731-732, ill.
- BREWSTER COMPANY.** Brewster and Co. activities.  
Aviation, Vol. 24, No. 7 (Feb. 13, 1928), New York, pp. 380-381, ill.
- BRIDGMAN, LEONARD.** See Grey, Charles Grey, and Leonard Bridgman: All the world's aircraft.
- BRIMMER, F. E.** Nomadic America's changing spending habits.  
Magazine of Business, Vol. 53 (April 1928), Chicago, pp. 445-447, ill.
- BRION, MAURICE.** Évolution des méthodes de l'instruction au pilotage.  
L'Aéronautique, 10me année, No. 105 (fév. 1928), Paris, pp. 56-58, tabs.
- BRIS, JEAN-MARIE LE.** See Hydravion: De baanbrekers der dynamische luchtvaart. XII. Jean-Marie le Bris.
- BRISTOL.** The "Bristol" exhibits.  
Flight, Vol. 20, No. 27 (July 5, 1928), London, pp. 574-578, ill., diagr.
- The Bristol "Jupiter" VIII passes 100 hours' test.  
Flight, Vol. 20, No. 17 (Apr. 26, 1928), London, pp. 285-286, ill.
- The Bristol "Jupiter" family.  
Flight, Vol. 20, No. 21 (May 24, 1928), London, pp. 389-392, ill.
- The Bristol "Jupiter" family. Some features in their design and construction.  
Flight, Vol. 20, Nos. 45-47, 49 (Nov. 8-22, Dec. 6, 1928), London, pp. 968-972, 985-987, 1003-1005, 1036-1037, ill., diagr.



- BRISTOL.** Bristol "Jupiters" for 1928-1929.  
Flight, Vol. 20, No. 14 (Apr. 5, 1928), London, p. 234.
- The Bristol "Mercury" Mark I.  
Flight, Vol. 20, No. 5 (Feb. 2, 1928), London, p. 65.
- Bristol Titan air-cooled engine.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 262, ill.
- The geared Bristol "Jupiter."  
Flight, Vol. 20, No. 39 (Sept. 27, 1928), London, p. 832, ill.
- See Hill, G. T. R.: Flying positions of control surfaces of Bristol fighter.
- BROCKETT, PAUL.** Bibliography of aeronautics 1925.  
National Advisory Committee for Aeronautics, Washington, United States Government Printing Office, 1928, pp. vii, 189.
- Bibliography of aeronautics 1926.  
National Advisory Committee for Aeronautics, Washington, United States Government Printing Office, 1928, pp. vii, 154.
- Bibliography of aeronautics 1927.  
National Advisory Committee for Aeronautics, Washington, United States Government Printing Office, 1928, pp. vii, 184.
- BRODBECK, W.** Ist ein Flugzeug "klein leicht feuerfangendes Gut" im Sinne der EVO?  
Flug-Woche, 10. Jahrg., Heft 11, 1928, Berlin, p. 358.
- BROWN.** The Brown Mercury 3-motored monoplane.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 58, ill.
- BROWN, D.** Flying.  
New Republic, Vol. 55 (Aug. 15, 1928), New York, pp. 330-332.
- BROWN, V. K.** Miniature parachute drop.  
Playground, Vol. 21 (Jan. 1928), New York, p. 527.
- BRUNI, G.** South American air routes.  
Living Age, Vol. 334 (Aug. 1928), New York, pp. 1208-1210.
- BRUNNER, KARL H.** Weisungen der Vogelschau.  
München, D. W. Callwey, 1928, pp. 123, ill.
- BRUNO, H. A., and R. R. BLYTHE.** The public relations counsel in aeronautics.  
Aviation, Vol. 24, No. 12 (Mar. 19, 1928), New York, pp. 706, 722, ill.
- BRUNS, W.** International Society for the Exploration of the Polar Regions by airship.  
Nature, Vol. 122, No. 3062 (July 7, 1928), London, p. 33.
- BUCHLER, WALTER.** Flying in Japan.  
Airways, Vol. 4, No. 5 (Jan. 1928), London, pp. 166-179, ill.
- BUDGETS.** See France: Le budget de l'aéronautique.
- See Great Britain: The air estimates, 1928-29.
- See Oger, Marcel: L'aéronautique française dispose cette année de 1,119,458,304 francs de crédits.
- BUDIG, FRIEDRICH.** Das Tragflächen-Motorsegelboot.  
Zeitscher. Flug. Motorluftsch., 19. Jahrg., Heft 4 (28. Feb. 1928), München und Berlin, pp. 73-77, ill.
- BUFFALO.** See Moore, J. P.: Buffalo municipal airport planned for safety and convenience.
- BUGARRÉ, RENÉ.** L'avion de demain.  
Paris, à l'imprimerie Bigarré.



- BUHL, JUNIOR.** Buhl Junior Airedan.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, p. 972, ill.
- BULLINGER, R.** Die Flugmotoren auf der Ila 1928.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23. u. 24 (20. Dez. 1928), München und Berlin, pp. 553-555.
- BUMPUS, F. A.** The development of torpedo-carrying aircraft.  
Journ. Roy. Aer. Soc., Vol. 32, No. 207 (March 1928), London, pp. 206-226, diags.
- BURDEN, JAMES H.** An interpretation of Col. Lindbergh's achievements.  
Sacramento, Calif., 1928, pp. 46, ill.
- BUREAU VERITAS.** Registre Internationale de classification de navires et d'aéronefs. International register of shipping and aircraft.  
Paris, Bureau Veritas, 1927, pp. lxxii, 856.
- Registre International de classification de navires et d'aéronefs 1828-1927. Règlement aéronautique.  
Paris, Bureau Veritas [1927], pp. li, 386.
- BURGE, C. H.** See Irving, H. B., A. S. Batson, and C. H. Burge: The effects of stagger and gap on the aerodynamic properties of biplanes at large angles of incidence.
- BURGERS, J. M.** Note on research work by Helmholtz and Wien relating to the form of waves propagated along the surface of separation of two liquids.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 455, March 1928, Washington, pp. 8, ill.  
Reprinted from "Rendiconti della R. Accademia Nazionale dei Lincei" Vol. 5, No. 5, March, 1927.
- BURGESS, GEORGE KIMBALL.** Aircraft radio beacon development.  
Aviation, Vol. 24, No. 25 (June 18, 1928), New York, pp. 1764-1765, 1798-1803, ill.
- BURNEY, C. DENNIS.** England to U. S. by airship.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 358-360, ill.
- BURR, G. D.** Municipal provision for air commerce.  
American City, Vol. 39 (July 1928), New York, pp. 133-134, ill.
- BURRITT, R. C.** From the ground up.  
Magazine of Business, Vol. 54 (July 1928), Chicago, pp. 38-42, ill.
- BURTON, Walter E.** Akron municipal airport.  
Aviation, Vol. 25, No. 24 (Dec. 8, 1928), New York, pp. 1926-1927, 1952, 1954, ill.
- Attracting the passenger.  
Aviation, Vol. 25, No. 1 (July 2, 1928), New York, pp. 31, 49-51, ill.
- Babcock monoplane.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, p. 932, ill.
- The Cleveland airport.  
Aviation, Vol. 25, No. 16 (Oct. 13, 1928), New York, pp. 1182-1183, 1224-1226, ill.
- The dust nuisance and its elimination.  
Aviation, Vol. 25, No. 25 (Dec. 15, 1928), New York, pp. 1986-1987, 2010, 2012, ill.
- BUTTERWORTH, WILLIAM.** Business interest in air transportation.  
Aeronautic Review, Vol. 6, No. 8 (Aug. 1928), Washington, D. C., pp. 119, 122.
- BYERS, HORACE R.** Ground weather signals.  
Aviation, Vol. 25, No. 21 (Nov. 17, 1928), New York, pp. 1563, 1577, diagr.
- The Guggenheim airway meteorological service.  
Aviation, Vol. 25, No. 12 (Sept. 15, 1928), New York, pp. 866-867, 886-892, charts.
- BYRD, RICHARD EVELYN.** Don't let them die.  
Sat. Even. Post, Vol. 200 (May 26, 1928), Philadelphia, p. 13, ill.  
Transoceanic flight,

- BYRD, RICHARD EVELYN. Fly on! fly on! interview with E. Ford.  
Collier's, Vol. 81 (May 12, 1928), New York, pp. 8-9, ill.
- Skyward. Man's mastery of the air as shown by the brilliant flights of America's leading air explorer. His life, his thrilling adventures, his North Pole and trans-atlantic flights, together with his plans for conquering the Antarctic by air.  
New York-London, G. P. Putnam's Sons, The Knickerbocker Press, 1928, pp. xvi, 359, ill.
- See Green, Fitzhugh: Dick Byrd—air explorer.

## C

- C. A. M. S. 54 G. R. C. A. M. S. 54 G. R. transatlantic seaplane (French).  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 80, Washington, (September 1928), pp. 8, ill.
- CACOPARDO, SALVATORE. Circa le "zone vietate."  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 85-88.
- CAINE, PHILIP H. See Black, Archibald, and Philip H. Caine: Accounting in aircraft operations.
- CAIRO. See Hill, R. M.: Experiences on the Cairo-Baghdad air mail.
- CALAMANI, GIULIO. Industria assicurativa e navigazione aerea.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 89-94.
- CALCUTTA. See Short: The Short "Calcutta." First British all-metal commercial seaplane.
- CALDERARA, ATTILIO. Nell' azzurro. L' aeronautica dalle sue origini leggendarie ai giorni.  
Torino, tip. L. Giachino, [1928], pp. 327.
- CALDWELL, CY. The battleship bubble.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 33-35, 180-182, ill.
- The defenseless battleship.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 420-422, 620-628.
- The frolicsome battleship.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 223-225, 348-356, ill.
- Still the same old bubble to me. A reply to Commander W. W. Webster.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 684, 686, 828.
- CALDWELL, F. W. Section properties of a series of airfoils suitable for propeller design.  
Air Corps Information Circular, Vol. 6, No. 597 (Nov. 1, 1928), Washington, United States Government Printing Office, pp. 21, ill.
- CALIFORNIA. California still leads in number of planes with Illinois now second and Texas Third.  
Aviation, Vol. 24, No. 23 (June 4, 1928), New York, p. 1602.
- See Boone, Andrew R.: Regarding airports in California.
- See McReynolds, Charles F.: The Aero Corporation of California.
- CALLENDAR, H. L. Dopes and detonation. Second report.  
Aeronautics. Tech. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 661-691, ill., diags.
- CAMBRIDGE UNIVERSITY. Cambridge University air squadron.  
Flight, Vol. 20, No. 26 (June 28, 1928), London, pp. 479-480, ill.
- CAMBRIDGE UNIVERSITY AIR SQUADRON. The training of the C. U. A. S.  
The Aeroplane, Vol. 34, No. 26 (June 27, 1928), London, pp. 904-905, ill.

- CAMERON. The Cameron engine.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 188, ill.
- CAMICIOTTI, DANTE. Bibliografia sugli atmosferici.  
Ministero dell' Aeronautica, Notiziario Technico di Aeronautica, Anno 6, N. 10 (Ott. 1928), Roma, pp. 1-12.
- Le stazioni aerologiche sperimentali.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 47-51.
- CAMPBELL, ROY, jr. Problems of aeronautical training.  
Aviation, Vol. 25, No. 27 (Dec. 27, 1928), New York, pp. 2100-2101, 2112, ill.
- CAMPO, CARLOS MARTINEZ, y MATEO MILLE. Arte militar aerea.  
Madrid.
- CAMS. See Basu, Jatindra Nath: Contribution to the design and calculation of fuel cams and fuel valves for Diesel engines.
- CANADA. Air services in Canada.  
Flight, Vol. 20, No. 38 (Sept. 20, 1928), London, pp. 813-817, ill.
- British aircraft in Canada.  
The Aeroplane, Vol. 34, No. 24 (June 13, 1928), London, pp. 832, 834.
- The Canadian civil air programme for 1928.  
The Aeroplane, Vol. 35, No. 8 (Aug. 22, 1928), London, pp. 370-371.
- Commercial aviation progress in Canada.  
Flight, Vol. 20, No. 49 (Dec. 6, 1928), London, pp. 1034-1035, ill.
- Flying under difficulties in Canada.  
The Aeroplane, Vol. 34, No. 19 (May 9, 1928), London, pp. 664, 666, ill.
- Report on civil aviation 1927.  
Ottawa, Department of National Defense.
- What Canada is doing.  
The Aeroplane, Vol. 34, No. 25 (June 20, 1928), London, p. 874.
- CANADA ROYAL AIR FORCE. Information relating to pay, allowances, qualifications, general conditions of service, future prospects, etc., of airmen.  
Ottawa, F. A. Acland, printer, 1928, pp. 11.
- CANNegiETER, H. G. Wetenschappelijke hoogtevaart met den ballon "Hollandia" op 18 Juli.  
Het Vliegvelde, 12de Jaarg., No. 9 (Sept. 1928), Amsterdam, p. 274.
- CAPE TOWN. See Bentley, R. R.: Some technical aspects of the flight to and from Cape Town.
- CAPON, R. S. Algebraic formulae for the performance of an aircraft at full throttle.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 417-429, diags.
- Note on the reduction of performance tests to the standard atmosphere.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 441-448.
- CAPRONI. The Caproni monoplanes "Ca 97" (Italian).  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 84, Washington, October 1928, pp. 15, ill.
- CARACCILO, MARIO. La pratica del tiro con osservazione aerea.  
Rivista Aeronautica, Anno 4, N. 2 (Feb. 1928), Roma, pp. 289-290.
- CARAFOLI. See Toussaint, et Carafoli: Caractéristiques aérodynamiques des profils empiriques minces.
- CARAFOLI, E. See Toussaint, A., and E. Carafoli: Choice of profile for the wings of an airplane.



- CARAFOLI, E. *See* Toussaint, A., et E. Carafoli: Le choix du profil des ailes sustentatrices.
- CARBURETORS. *See* Isikawa, Masakiti: Theory and design of a new carburettor.
- *See* Lamé, M.: Inauguration des nouveaux laboratoires Zénith.
- *See* Renault, Louis: Renault et la carburation.
- CARIBBEAN SEA. *See* Henning, A. S.: Airways binding Caribbean hold bright future.
- CARLASSARE, NINO. Il tronco di una linea aerea imperiale.  
Rivista Aeronautica, Anno 4, N. 4 (Aprile 1928), Roma, pp. 94-103, ills.
- CARLIER, ANDRÉ. L'aviation légère en France et a l'étranger. Le concours d'Orly.  
La Nature, No. 2799 (15 dec. 1928), Paris, pp. 538-543, ill.
- La photographie aérienne. Les vues panoramiques. La topographie. La cartographie.  
La Nature, No. 2785, (15 mai 1928), Paris, pp. 452-458, ill.
- Le vol a voile en France et en Allemagne. Le dernier meeting de Vauville.  
La Nature, No. 2797 (15 nov. 1928), Paris, pp. 438-443, ill.
- *See* Batast, R.: La photographia. Un précurseur.
- CARLO, ALIPPI. Una dimostrazione generale del paradosso di Eulero ed alcune considerazioni termo-aerodinamiche.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 34-38, ill.
- CARRIERS. Nation's greatest ships.  
Pop. Mech., Vol. 49 (Mar. 1928), Chicago, pp. 442-446, ill.
- U. S. Aircraft carriers.  
Mech. Eng., Vol. 50, No. 4 (April 1928), New York, pp. 280-284, ill.
- *See* Magruder, T. P.: Aircraft carriers.
- *See* United States: U. S. Aircraft Carriers.
- CARROLL, THOMAS. A dangerous seaplane landing condition.  
National Advisory Committee for Aeronautics, Technical Notes No. 287, Washington, May 1928, pp. 3.
- The effect of performance of a cutaway center section.  
National Advisory Committee for Aeronautics, Technical Notes No. 273, Washington, January, 1928, pp. 7, ills., diags.
- CARROLL, THOMAS, and WILLIAM H. McAVOY. The formation of ice upon exposed parts of an airplane in flight.  
National Advisory Committee for Aeronautics, Technical Notes No. 293, Washington, July 1928, pp. 10, ill.
- The variation in pressures in the cockpit of an airplane in flight.  
National Advisory Committee for Aeronautics, Technical Notes No. 300, Washington, November 1928, pp. 6, ill., diags.
- CARROLL, THOMAS. *See* Richardson, Holden Chester: The reaction on a float bottom when making contact with water at high speeds.
- CARTER, B. C. Torsional vibration in engines. Effects of fitting a damper, a flywheel, or a crank-shaft-driven supercharger.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 731-767, ills., diags.



- CASAGRANDE, CARMELITA. Difesa antimalarica dopo atterraggio di sferici in zona paludosa a forte carica anofelica.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 488-490, ill.
- CASAGRANDE, ODDO. L'asma anafilattico da lana negli aviatori.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 499-503.
- Latenza e riviviscenza, dopo il volo, di forme malariche, luetiche, tubercolari, spirochetiche, dimostrabili per mezzo della lability serica o plasmica.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 491-498.
- CASES, ARMANDO LEVI. Esempi di motori ad olio pesante a grande velocità e significato dei loro risultati per il problema del motore leggero.  
Ministero dell'Aeronautica, Notiziario Technico di Aeronautica, Anno 6, N. 4, 6, 7 (Aprile, Giugno, Luglio 1928), Roma, pp. 1-41, 23-62, 49-76, ill.
- Problemi di adattamento alle esigenze del volo nel problema generale della creazione del motore ad olio pesante per la navigazione aerea.  
Ministero dell'Aeronautica, Notiziario Technico di Aeronautica, Anno 6, N. 9 (Sett. 1928), Roma, pp. 1-27.
- Sulla preparazione e sullo svolgimento della combustione nei motori ad iniezione meccanica.  
Ministero dell'Aeronautica, Notiziario Technico di Aeronautica, Anno 6, N. 1, 2 (Gen.-Feb. 1928), Roma, pp. 1-23, 1-35, ill.
- CASPARI, W. Die Bauvorschriften für Flugzeuge.  
Zietschr. Flugt. Motorluftsch., 19. Jahrg., Heft 21 (14. Nov. 1928), München und Berlin, p. 496.
- CASSINIS, GINO. Calcoli numerici, grafici e meccanici.  
Pisa, Mariotti-Pacini, 1928, pp. xx, 672, ill.
- CASTAGNA, GIAN GIACOMO. L'aviazione d'artiglieria.  
Rivista Aeronautica, Anno 4, N. 2 (Feb. 1928), Roma, pp. 291-302.
- Prolegomeni sull'impiego dell'aviazione ausiliaria nelle grandi unità terrestri.  
Rivista Aeronautica, Anno 4, N. 6 (Giugno 1928), Roma, pp. 449-467.
- Replica in tema d'aviazione d'artiglieria.  
Rivista Aeronautica, Anno 4, N. 7 (Luglio 1928), Roma, pp. 78-83.
- Seconda replica in tema d'aviazione d'artiglieria.  
Rivista Aeronautica, Anno 4, N. 9 (Sett. 1928), Roma, pp. 502-508.
- CASTILHO, JORGE DE. A navegação do "Argos."  
Lisbon.
- See Coutinho, Gago, et Jorge de Castilho: Navigation des avions du service commercial pour l'Amérique du Sud.
- CASTRIOTA, FRANCESCO. See Martinelli, Giuseppe, e Francesco Castriota: I bollettini meteorici quotidiani e le esigenze dell'aviazione.
- CATAPULTING. See Almagià, Guido: I primi tentativi di lancio dei velivoli.—  
Catapulte.
- See Bouché, Henri: Catapulte, paquebot et aviation marchande.
- See Gagnotto, L.: Catapulta per il lancio de idrovolanti.
- See Ile de-France: La catapulte de l' "Ile-de-France."
- See Sauvaire-Jourdan: Paquebots et avions.

- CATARZI, OTTORINO. *Sulle ragioni psicopatologiche della estrema rarità delle sindromi neurotiche nei piloti dell' aviazione.*  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 504-510.
- CATTEWATER. *Cattewater air station. Brief history.*  
Flight, Vol. 20, No. 35 (Aug. 30, 1928), London, p. 748.
- CAUDRON, RENÉ. *See* Blanchet, Georges: *Aviateurs contemporains.* René Caudron.
- CAVALIER. *Cavalier monoplane.*  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 756, ill.  
Aviation, Vol. 25, No. 18 (Oct. 27, 1928), New York, pp. 1324, 1354, 1356, ill.
- CAYGILL, L. E., and A. E. WOODWARD NUTT. *Wind tunnel and dropping tests of autogyro models.*  
Aeronautics. Tech. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 637-641, ills., diagrs., tabs.
- CAYGILL, L. E. *See* Jones, E. T., L. E. Caygill, R. G. Harris, and H. M. Garner: *Lift and drag of the Bristol fighter with Fairey variable camber wings.*  
— *See* Woodward Nutt, A. E., R. G. Harris, and L. E. Caygill: *Full scale and model measurements of lift and drag of Bristol fighter with R. A. F. 30 wings.*
- CEI, LEONIERO. *Il motorista d'aviazione.*  
Milano, Manuale Hoepli, 1928, pp. 658, ill.
- CELLULOSE acetate. *See* Atsuki, Katumoto, and Ryo Shinoda: *Researches on cellulose acetate and its solution. I.—Composition of cellulose acetate lacquer for aeroplane dope. II.—Stability of cellulose acetate.*  
— *See* Atsuki, Katsumoto, and Ryo Shinoda: *Researches on cellulose acetate and its solution. IV.—On the acetylation of cellulose.*  
— *See* Atsuki, Katsumoto, and Ryo Shinoda: *Researches on cellulose acetate and its solution. V.—Relation of temperature and time of ripening to the viscosity of cellulose acetate.*  
— *See* Tanaka, Yoshio, and Katsumoto Atsuki: *Researches on cellulose acetate and its solution. III.—Stabilizer for cellulose acetate.*
- CENTRAL STATES. *The Central States "Monocoupe."*  
Flight, Vol. 20, No. 2 (Jan. 12, 1928), London, pp. 25-26, ill., diagr.
- CESSNA. *Cessna airplanes.*  
Aviation, Vol. 24, No. 10 (Mar. 5, 1928), New York, pp. 578, 591-592, ill.  
— *The Cessna monoplane.*  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 362-363, ill., diagr.  
— *Monoplan américain "Cessna."*  
La Nature, No. 2787 (15 juin 1928), Paris, p. 571.
- CHALMERS, MACKENZIE DALZIEL. *Obituary. Sir Mackenzie Dalziel Chalmers.*  
Journ. Roy. Aer. Soc., Vol. 32, No. 206 (Feb. 1928), London, pp. 94-95.
- CHAMBERLAIN, J. P. *Government.*  
Amer. Journ. Sociology, Vol. 34 (July, 1928), Chicago, pp. 187-205.  
Air rights.
- CHAMBERLIN, CLARENCE DUNCAN. *Chamberlin sends wisecracks.*  
Literary Digest, Vol. 97 (Apr. 7, 1928), New York, pp. 74-75.  
— *Record flights.*  
Philadelphia, Dorrance and Co. [1928], pp. 286, ill.

- CHAMBERLIN CLARENCE DUNCAN. Shall we all fly soon?  
North American Review, Vol. 226 (Oct. 1928), New York, pp. 409-415.
- CHANUTE, OCTAVE. *See* Hydravion: De baanbrekers der dynamische luchtvaart.  
XIV.—Octave Chanute.
- *See* Slawson, H. H.: Octave Chanute's model gliders found.
- CHAPPEDELAINE. Une nouvelle machine volante: Le gyoptère Chappedelaine.  
L'Aérophile, 36e année, Nos. 13-14 (1er-15 juil. 1928), Paris, p. 211, ill.
- CHARLET, ROBERT. Le premier Congrès International de l'Aviation Sanitaire.  
L'Aérophile, 36e année, Nos. 21-22 (1er-15 nov. 1928), Paris, p. 330, port.
- CHARNLEY, MITCHELL V. The boys' life of the Wright brothers.  
New York and London, Harper & Brothers Publishers, 1928, pp. ix, 291, ills.
- CHATFIELD, CHARLES HUGH. Aeronautics at M. I. T.  
Aviation, Vol. 25, No. 15 (Oct. 6, 1928), New York, pp. 1099, 1114, ill.
- CHATFIELD, CHARLES HUGH, and CHARLES FAYETTE TAYLOR. The airplane  
and its engine.  
New York, McGraw-Hill Book Company, inc., 1928, pp. vii, 329, ills., diags.
- Monoplane or biplane.  
Journ. Soc. Automotive Engineers, Vol. 22, No. 1 (Jan. 1928), New York, pp. 49-54.
- CHAUCHON, M. Projets d'infrastructure de l'avenir. Un projet d'aéro-gare  
internationale.  
L'Aérophile, 36e année, Nos. 9-10 (1er-15 mai 1928), Paris, p. 136, ill.
- CHEMICAL warfare. *See* Military aeronautics: Chemical warfare from the air.
- CHICAGO. Chicago's municipal airport an institution.  
Airports, Vol. 1, No. 3 (July 1928), pp. 27 and 28, ill.
- CHICANOT, E. L. New eyes for the sealing fleet.  
Scient. Amer., Vol. 138 (May 1928), New York, pp. 409-411, ill.
- Seal hunting by air.  
Airways, Vol. 4, No. 6 (Feb. 1928), London, pp. 196-198, ill.
- CHIEFTAIN. *See* Nutt, Arthur: The new Curtiss "Chieftain."
- CHINA. Aeronautics in China.  
The Aeroplane, Vol. 34, No. 14 (Apr. 4, 1928), London, pp. 494, 496, ill.
- *See* Swinehart, D. E.: Aviation in North China.
- CHORLTON, A. E. L. Oil engines for aircraft and railways.  
Engineering, Vol. 126, No. 3271 (Sept. 21, 1928), London, pp. 375-378, ill.
- CHROMIUM steels. *See* Miller, W. B.: Welding of high chromium steels.
- CHUTE, A. H. Flying the frontiers.  
Sat. Even. Post, Vol. 201 (Oct. 6, 1928), Philadelphia, pp. 22-23, ill.
- CIERVA. The Cierva autogiro.  
Aviation, Vol. 25, No. 18 (Oct. 27, 1928), New York, pp. 1320-1321, 1340-1350, ill.
- CIERVA, JUAN DE LA. L'autogire.  
L'Aéronautique (L'Aérotechnique, 6e année, No. 71), 10me année, No. 114 (nov. 1928),  
Paris, pp. 381-386, ills.
- *See* Bouché, Henri: La consécration de l'autogire.
- *See* Ducout, Marcel: L'autogire de la Cierva.



- CIRRUS.** The Cirrus Mark II engine.  
Aviation, Vol. 24, No. 7 (Feb. 13, 1928), New York, pp. 382-383, ill., diagr.
- The Cirrus Mark III.  
Aviation, Vol. 25, No. 22 (Nov. 24, 1928), New York, pp. 1620, 1640, 1642, ill.
- The Cirrus Mark III engine.  
The Aeroplane, Vol. 35, No. 11 (Sept. 12, 1928), London, p. 472, ill.
- CITY planning.** See Goodrich, E. P.: Airports as a factor in city planning.
- CIVIL aeronautics.** Giant liners of the air equipped with diners.  
Pop. Mech., Vol. 49 (Mar. 1928), Chicago, pp. 356-357, ill., diagr.
- Powerful passenger plane.  
Scient. Amer., Vol. 139 (July 1928), New York, p. 69, ill.
- See Boucabeille: L'Aviation civile en France.
- See Canada: Report on civil aviation 1927.
- See Dollfus, Walter: Die schweizerische Civilluftfahrt 1927.
- See Faccenda, Ettore: In tema di mobilitazione civile.
- See Gardner, Lester D.: The development of civil aeronautics in America.
- See Great Britain: Staatliche Unterstützung der englischen zivilen Luftfahrt.
- See Gymnich, Alfred: Warum Luftverkehr?
- See La Polla, Ernesto: Considerazioni sull'avvenire del traffico aereo.
- See Mellini, Enrico: La navigazione aerea civile in rapporto ai trasporti ferroviari e postali.
- See Milch, Erhard: Einige technische Fragen des Luftverkehrs.
- See Padilla, F. M. de: Aviación civil.
- See Schulz, R.: Der Luftverkehr auf der Ila.
- See Tarantini, Lello: Considerazioni sulla "Valigia delle Indie" aerea.
- See United States Congress: Civil aeronautics.
- See van den Berch van Heemstede: Aperçu sur l'exploitation du trafic aérien.
- CLARK, K. W.** See Bradfield, F. B., and K. W. Clark: Wind-tunnel tests of aerofoil R. A. F. 36.
- See Bradfield, F. B., and K. W. Clark: Wind-tunnel tests on a R. A. F. 15 aerofoil with pilot planes.
- CLARK, N. M.** Jump! interview with A. P. Atherton.  
American Magazine, Vol. 105 (Feb. 1928), Springfield, Ohio, pp. 26-28, ill.
- CLARK, VIRGINIUS EVANS.** Commercial aeroplanes in the United States of America.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 95-99.
- Elements of aviation, an explanation of flight principles.  
New York, Ronald Press Company, 1928, pp. 193, ills.
- CLARKE, T. W. K., and V. M. FALKNER.** D. M. Smith's method for the determination of the transverse frequencies of vibration of uniform beams.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 839-847, ills., diagrs., tables.

- CLASSIFICATION. *See* Acampora, Luigi: Una formula di classificazione dei velivoli mercantili.
- *See* Barberis, Luigi: Registri di classificazione.
- CLEARY, CHARLES J. Airplane tires and inner tubes.  
Aviation, Vol. 24, No. 12 (Mar. 19, 1928), New York, pp. 702-703, 732-735, ill., diagr.
- CLEVELAND. *See* Burton, Walter E.: The Cleveland airport.
- CLEVINGER, PILOT. Airplane accidents.  
Aviation, Vol. 25, No. 24 (Dec. 8, 1928), New York, pp. 1929, 1943-1948, ill.
- CLOUDS. *See* Crestani, Giuseppe: Contributo richiesto agli aeronauti nello studio delle nubi.
- CLUBS. And now comes the aviation country club.  
Literary Digest, Vol. 99 (Nov. 10, 1928), New York, pp. 56-62, ill., plan.
- Light airplane clubs.  
Aviation, Vol. 24, No. 7 (Feb. 13, 1928), New York, pp. 377-379, ill.
- COALES, J. D. Charts for the calculation of airscrew thrust and torque coefficients.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 267-273, diagrs.
- COALES, J. D., and A. L. LINGARD. The determination of the horsepower height factor of engines from the results of type trials of aircraft.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 802-809, diagrs.
- COAST-TO-COAST. Aviation and railroad companies combine to offer coast-to-coast air-rail service.  
Aviation, Vol. 24, No. 22 (May 28, 1928), New York, p. 1526.
- COBHAM, ALAN JOHN. African survey flight.  
Flight, Vol. 20, No. 24 (June 14, 1928), London, pp. 433-435, ill.
- International air communications. Sir Alan Cobham's circuit of Africa on the Short Rolls-Royce all-metal flying boat.  
Aéronautica, Vol. 2, No. 6 (June 1928), Amsterdam, pp. 81-85, ill., map.
- Seeing the world from the air.  
Nat. Geogr. Mag., Vol. 53 (Mar. 1928), Washington, pp. 348-384, ill., map.
- COBIANCHI, CARLO ALBERTO. L'abbandono liberatorio nel diritto aeronautico.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 476-479.
- COCKLIN, HENRY S. The PN-12 Navy patrol plane.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 44, 46, 174, ill.
- COCKPIT. *See* Carroll, Thomas, and William H. McAvoy: The variation in pressures in the cockpit of an airplane in flight.
- COGLIOLO, PIETRO. Il diritto aeronautico internazionale privato.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 480-481.
- COLBURN, F. H. Trip in a de luxe tri-motor airplane.  
Overland Monthly, ns., Vol. 86 (July 1928), San Francisco, p. 233.
- COLBY, THOMAS B. Protecting and finishing aircraft structures.  
Aviation, Vol. 25, No. 1 (July 2, 1928), New York, pp. 26, 61-62, ill.
- COLEMAN, M. Rank and file of the air.  
Survey, Vol. 61 (Oct. 1, 1928), New York, pp. 5-8, ill

- COLLIER TROPHY. *See* Lawrance, Charles L.: C. L. Lawrance awarded trophy. Adjudged winner by Collier Trophy committee of the National Aeronautic Association.
- COLOMBIA. Colombian airway system.  
Pan American Magazine, Vol. 40 (Jan. 1928), Panama City, p. 164, map.  
Pan American Magazine, Vol. 41 (May 1928), Panama City, p. 101.
- COLVIN, FRED HERBERT, and H. F. COLVIN. Aircraft handbook; a collection of facts and suggestions concerning the construction and care of planes, motors, and instruments for those interested in modern aircraft.  
New York, McGraw Hill Book Co., 1928, pp. xi+464, ill.
- COLVIN, H. F. *See* Colvin, Fred Herbert, and H. F. Colvin: Aircraft handbook; a collection of facts and suggestions concerning the construction and care of planes, motors, and instruments for those interested in modern aircraft.
- COMBUSTION. *See* Sass, F.: Ignition and combustion phenomena in Diesel engines.
- *See* Tausz, J., and F. Schulte: Ignition points and combustion reactions in Diesel engines.
- COMET. The Comet engine.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, pp. 602-603, ill.
- “COMMAND-AIRE.” The “Command-Aire.” A three place open cockpit biplane now being produced by the Arkansas Aircraft Company.  
Aviation, Vol. 24, No. 6 (Feb. 6, 1928), New York, pp. 325, 328, ill.
- COMMERCIAL aeronautics. Air paths and policies.  
Living Age, Vol. 334 (Aug. 1928), Boston, pp. 1206-1212.
- Air pioneering; government's contribution to the future of commercial aviation.  
Magazine of Business, Vol. 54 (Aug. 1928), Chicago, pp. 137-139, ill.
- American air lines.  
Flight, Vol. 20, No. 48 (Nov. 29, 1928), London, pp. 1016-1018, map.
- American Eagle Aircraft Corp.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, pp. 38, ill.
- Avion commercial léger.  
La Nature, No. 2779 (15 fév. 1928), Paris, p. 187.
- Coast to coast by air and rail.  
Literary Digest, Vol. 97 (May 26, 1928), New York, p. 12, map.
- The Edgar Tobin Aero Co.  
Aviation, Vol. 24, No. 9 (Feb. 20, 1928), New York, pp. 514-515, ill.
- Export figures and trade commissioners' reports.  
Aviation, Vol. 25, No. 14 (Sept. 29, 1928), New York, pp. 1018-1019, 1038-1042.
- Future of transport.  
Atlantic Monthly, Vol. 141 (Jan. 1928), Boston, pp. 80-90.
- Our growing air-mindedness.  
Literary Digest, Vol. 97 (May 5, 1928), New York, p. 24.
- Shaw publications take to the air.  
Magazine of Business, Vols. 52-54 (Oct. 1927-Oct. 1928), Chicago, pp. 401-402, 556-557, 708-710; 42-45, 177-179, 309-311, 451-453, 592-594, 741-742; 57-58, 167-168, 270-272, 363-365, ill., map.
- Southward air trade outlooks.  
Outlook, Vol. 148 (Jan. 18, 1928), New York, pp. 98-99.



- COMMERCIAL aeronautics. To air-link England with Australia.  
Literary Digest, Vol. 99 (Nov. 24, 1928), New York, p. 19, maps.
- Touring on the Lindbergh highway.  
Independent, Vol. 120 (Mar. 3, 1928), Boston, pp. 195-196.
- Where time is money.  
Factory and Industrial Management, Vol. 75 (June 1928), New York, pp. 1190-1192, ill.
- See Acampora, Luigi: Una formula di classificazione dei velivoli mercantili.
- See Argentine: Ligne France-Argentine.
- See Bréguet, Louis: Détermination et calcul du prix de revient des transports aériens.
- See Bréguet, Louis: La politique des transports aériens commerciaux, selon M. Louis Bréguet.
- See Carllassare, Niño: Il tranco di una linea aerea imperiale.
- See Clark, V. E.: Commercial aeroplanes in the United States of America.
- See Coutinho, Gago, et Jorge de Castilho: Navigation des avions du service commercial pour l'Amérique du Sud.
- See Dollfus, Walter: Werdender Weltluftverkehr.
- See Donalisio, Alfonso: I trasporti combinati aereo-ferroviari.
- See France: Répertoire commercial de l'industrie aéronautique française.
- See Fusco, Edmondo: Statistica internazionale del traffico commerciale aereo.
- See Gassner, Alfred A.: Amerika und das Handels-Flugzeug.
- See Georgii, Walter: Die meteorologischen Grundlagen des transatlantischen Luftverkehrs.
- See Kirste, L.: Recherche du maximum pratique de l'agrandissement des avions commerciaux, basée sur une étude simultanée des conditions de vol et de la résistance des matériaux.
- See Luraghi, Eugenio Giuseppe: Alcune cifre statistiche di aviazione commerciale (trasporto di passeggeri) e loro significato.
- See Luraghi, Eugenio Giuseppe. Aviazione commerciale ed aviazione militare.
- See Musto, C.: Necessità organizzativa del traffico aereo.
- See Rocca, Carlo: Les statistiques des transports aériens commerciaux.
- See Rome: Inauguración de la línea aérea Roma-Barcelona.
- See Safety: Sécurité de l'aviation commerciale.
- See Wronsky, Martin: Deutscher Luftverkehr.
- COMPASS. See Salle: Note sur les compas d'aviation.
- COMPRESSED air. See Models: Model plane that runs on compressed air.
- COMPRESSION-ignition. See Taylor, H. B.: High-speed compression-ignition engine research.
- COMTE ZEPPELIN. Après sa première traversée de l'Atlantique, le "Comte-Zeppelin" arrivant à New York le 15 octobre, passe au zénith de la statue de la Liberté.  
L'Aérophile, 36e année, Nos. 21-22 (1er-15 nov. 1928), Paris, p. 321, ill.

COMTE ZEPPELIN. See R. V.: Le nouveau dirigeable rigide "Comte-Zeppelin."

CONGO. See Van Crombrugge, R.: L'aviation au Congo. Ses débuts. La ligne aérienne Roi Albert.

CONGRESSO INTERNAZIONALE DI NAVIGAZIONE AEREA. Collectanea aeronautica (Ministero dell'aeronautica; IV congresso internazionale di navigazione aerea; Roma, 24-30 ottobre 1927-V°). Vol. I e II pubblicati per cura del prof. L. Silla.

Roma, tip. del Senato di G. Bardi, 1927, 2 voll., pp. viij, 462; xv, 105, 80, 8, 10 con tavola.

Vol. I: Crocco, G. A., L'equivalenza degli aerei. Meditazioni di aeronautica comparata. Capetti, A., Fenomeni dovuti all'inerzia nella alimentazione dei motori aeronautici. Guidoni, A., Turbomotore a compressore a nafta. Levi-Cases, A., Motori ad olio pesante ed applicazioni aeronautiche. Pistolesi, E., Il problema della "detonazione" nei motori a scoppio. Pistolesi, E., Un problema fondamentale per la teoria delle eliche. Paravano, N., e A. Scortecci, Sulla modificazione di struttura delle leghe di alluminio contenenti elevate percentuali di silicio. Parravano, N., e A. Scortecci, La durezza a caldo delle leghe leggere. Gabrielli, G., Sulla determinazione del diedro longitudinale più conveniente degli aeroplani. Eula, A., e A. Viti, Il calcolo grafico dell'autonomia dell'aeroplano. Magaldi, G., Velivoli oceanici e transatlantici portaerei. Panetti, M., Azione di deriva sulla velatura portante. Verduzio, R., L'installazione più conveniente per i motori laterali sui velivoli. Burgatti, P., Il sussidio della meteorologia alla navigazione aerea transoceanica. Eredia, F., Un nuovo tipo di anemometro. Eredia, F., Il nuovo meteorografo dell'Ufficio presagi. Crestani, G., Le nubi cirriformi. Cisotti, U., Una notevole eccezione del teorema di Kutta-Joukowski. Costanzi, G., Indagini aerodinamiche e loro applicazione al volo in alta quota. Finzi, B., Interpretazione energetica di una notevole eccezione del teorema di Kutta-Joukowski. Masotti, A., Azione dinamica che un liquido perfetto esercita su un solido cilindrico, di sezione qualunque, mobile in esso. Panetti, M., La teoria dell'ala indefinita e le sue applicazioni. Silla, L., L'aerodinamica. Evoluzione storica ed insegnamento. Teofilato, P., Le pressioni aerodinamiche sopra una superficie rigida finita. Teofilato, P., Sul profilo longitudinale dei tubi aerodinamici. Ambrosini, A., Del metodo di trattazione del diritto aeronautico. Della responsabilità a dell'abbandono. Almagià, R., L'esplorazione delle regioni artiche con gli aerei. A proposito dell'impresa Nobile-Amundsen. Giacomelli, R., Dispositivi per il controllo laterale e l'aumento della portanza nell'ala dell'aeroplano a dell'uccello. Vol. II. Di Nola, A., Importanza della medicina dell'aviazione ed organizzazione del servizio sanitario aeronautico. Casella, B., Alcune osservazioni sulle reazioni vestibolari nei piloti di aviazione. Talenti, C., Osservazioni sanitarie su alcuni piloti durante i lanci di velivoli a mezzo di catapulta. Accorinti, V., Disturbi auricolari in aviazione. Casella, B., Rilievi e note sul servizio otorinolaringologico di aeronautica. Accorinti, V., Esiste una sordità professionale nell'aviatore? Talenti, C., Alcune esperienze con la iperpernea impiegata per la diagnosi interaccusuale dell'epilessia e di stati nevrotici. Ferrari, Lelli F., Un tipo di ergoestesiografo utilizzabile per valutare il senso muscolare dei condidati al pilotaggio. Talenti, C., Sulla gittata pulsatoria del cuore nell'aria rarefatta. Ferrari, Lelli L., Modificazioni fisiologiche dell'organismo umano durante il volo. Principali metodi di esame per la scelta del pilota aeronavigante. Accorinti, V., La prova del "bastone" nella scelta dei candidati al pilotaggio aereo a dei piloti controllo. Santamaria, A., Le oscillazioni pupillari consecutive al riflesso fotomotore. Balla,

A., Le alterazioni dell'udito e dell'equilibrio nelle persone addette a sale prova-motore per velivoli. Balla, A., Fenomeni secondari alla rotazione nelle persone a tipo vagotonico ed a tipo simpaticotonico. Parodi, F., Un nuovo segno per la esplorazione della funzionalità del diaframma. Parodi, F., Compasso esploratore del dermografismo. Parodi, F., Sull'analisi dell'emotività nell'aviatore. Parodi, F., Mioestesiometro (apparecchio per la misurazione del senso muscolare). Casella, B., Polso e respiro dopo l'eccitamento labirintico ed allievi piloti di vario tipo morfologico. Casella, B., La funzione tubarica in rapporto all'aviazione. De Barbieri, A., Il dermografismo in rapporto al tono del sistema neurovegetativo. Segarbi, G., Dell'importanza della morfologia nella medicina legale militare. Studio di un abbozzo morfologico.

CONGRESSO INTERNAZIONALE DI NAVIGAZIONE AEREA. IV Congresso internazionale di navigazione aerea organizzato dal Ministero dell'Aeronautica, Ufficio Aviazione Civile e Traffico Aereo, Roma, 24-30 Ottobre 1927, VI. Volume I, Resoconto generale. Volume II, Memorie—Sezione navigazione aerea, sezione turismo e propaganda, sezione giuridica. Volume III, Memorie—Sezione tecnica. Volume IV, Memorie—Sezione scientifica ed aerologica, sezione medica.

Roma, Tipografia del Senato, del Dott. G. Bardi, 1928—VI, pp. Vol. I, 468, Vol. II, 545, ills., Vol. III, 550, ills., diagrs., Vol. IV, 687, ills., diagrs., tabs.

— See Böhm, A. R.: Die wissenschaftlichen Referate auf dem IV. Internationalen Kongress in Rom.

— See Gray, Ezio M.: Il turismo aereo. Relazione al IV<sup>o</sup> congresso internazionale di navigazione aerea.

— See Margheri, Alberto: Intorno al recente IV Congresso Internazionale di Navigazione Aerea.

— See Musto, C.: Il diritto aeronautico nel suo processo formativo autonomo e nei lavori del IV Congresso Internazionale di Navigazione Aerea in ordine di diritto pubblico.

CONSTANTIN. Le problème de la propulsion des navires par le vent. Les rotors Flettner et les turbines éoliennes.

La Nature, No. 2776 (1er jan. 1928), Paris, pp. 14-17, ill., graphs.

CONSTRUCTION. See Petersen, P.: Wirtschaftlichkeit im Flugzeugbau.

CONTESTS. See Seewald, F., H. Blenk and F. Liebers: The 1926 German seaplane contest. Part I: Lessons taught, by F. Seewald; Part II: Method of rating, by H. Blenk and F. Liebers.

CONTROL. See Jones, B. Melvill: Research on the control of aeroplanes.

— See Marsh, W. Lockwood: Research on the control of aeroplanes.

COOLING. See Rubbra, A. A.: Water-cooled aero engines.

— See Weick, Fred E.: Drag and cooling with various forms of cowling for a "Whirlwind" engine in a cabin fuselage.

COOP, ERNESTO. Circostanze della guerra aerea, e tendenze che possono rilevarsi nella evoluzione dei tipi di apparecchi.

Rivista Aeronautica, Anno 4, N. 2 (Feb. 1928), Roma, pp. 257-288.

— Considerazioni sull'importanza dell'arma aerea.

Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 1-16.

— Considerazioni sulla evoluzione dei modi della guerra aerea, per l'avvento dell'apparecchio da battaglia.

Rivista Aeronautica, Anno 4, N. 3 (Marzo 1928), Roma, pp. 450-491, ills.



- COOPER, RAY. Stage all-American aircraft show at Detroit, April 14-21.  
Aeronautic Review, Vol. 6, No. 3 (March 1928), Washington, D. C., p. 37.
- CORELLI, M. R. La fragilità dei metalli impiegati nelle costruzioni aeronautiche a caldo e a freddo.  
L'Aerotechnica, Vol. 8, N. 5 (Mag. 1928), Anno 6, Pisa, pp. 327-339, ill.
- CORELLI, R. M. Studio sopra alcuni saggi e determinazioni necessari al collaudo delle benzine "Aviazione."  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 74-80.
- "CORSAIR." The new "Corsair."  
Aviation, Vol. 25, No. 6 (Aug. 4, 1928), New York, pp. 404, 434, ill.
- COSCI, DOMENICO. Calcolo delle caratteristiche funzionali dell'elica basato sulla considerazione dell'incidenza effettiva.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 81-126, diagrs., tabs.
- COST. Putting planes within reach of the man in the street.  
Literary Digest, Vol. 99 (Nov. 24, 1928), New York, p. 59.
- COST, R. W. The lighting of airports.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 760-764, ill.
- COSTES, DIEUDONNÉ et J. LE BRIX. Finishing the task of Nungesser and Coli.  
Literary Digest, Vol. 96 (Mar. 3, 1928), New York, pp. 34-41, ill., map.
- COSTES, DIEUDONNÉ, et JOSEPH M. LE BRIX. Notre tour de la Terre.  
Paris, Bachette et Cie., éditeurs 1928, pp. 261, ill., map.
- COSTES, DIEUDONNÉ 57,000 kilomètres autour du monde par Costes et Le Brix.  
L'Aéronautique, 10me année, No. 108 (mai 1928), Paris, pp. 147-152, ill.
- See Hirschauer, L.: Le tour du monde de Costes et Le Brix.
- COUNTRY CLUBS. Aviation country clubs.  
Aviation, Vol. 25, No. 16 (Oct. 13, 1928), New York, pp. 1186-1187, 1214-1222, ill., diagr.
- COUPLAND, R. C. See United States: L'armamento degli aeroplani.
- COURT OF CLAIMS. See Montgomery, John J.: Government airplanes do not infringe old patent on wings, Court of Claims rules.
- COURTNEY. See Gruson, F.: Cronique d'aviation. La concours de Vauville. L'accident du Couzinet. La tentative transatlantique Courtney.
- COURTNEY, W. B. Mail from the moon.  
Collier's, Vol. 82 (Nov. 24, 1928), New York, pp. 8-9, ill.
- COUTINHO, GAGO, et JORGE DE CASTILHO. Navigation des avions du service commercial pour l'Amérique du Sud.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 100-125.
- COUZINET. Couzinet transatlantic plane.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 266, ill., diagr.
- See Gruson, F.: Cronique d'aviation. La concours de Vauville. L'accident du Couzinet. La tentative transatlantique Courtney.
- COUZINET-HISPANO. Le monoplan trimoteur de grand raid Couzinet-Hispano.  
L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, pp. 104-141, ill.
- COVERINGS. See Kahn, L. L.: Stressed coverings in naval and aeronautic construction.
- COWIE, R. E. M. Flying freight.  
Magazine of Business, Vol. 54 (Sept. 1928), Chicago, pp. 241-244, ill., map.

- COWLING. *See* Neely, Frederick R.: Cowling of air-cooled radial engines.
- *See* Weick, Fred E.: Drag and cooling with various forms of cowling for a "Whirlwind" engine in a cabin fuselage.
- COX, H. L. *See* Smith, H. E., and H. L. Cox: The determination of the elastic moduli of a mild and a medium steel.
- CRAFT, EDWARD B. Airways Communication Service.  
Aviation, Vol. 25, No. 15 (Oct. 6, 1928), New York, pp. 1090-1091, 1136-1146, ill.  
The Bell System Technical Journal, Vol. 7, No. 4 (Oct. 1928), New York, pp. 797-807, ill.
- CRAM, RALPH W. The human equation in the Air Corps.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 924-925, 1050, 1052, ill.
- A real reliability tour.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 227-229, 372-376, ill.
- CRANK cases. *See* Holm, Otto: Crank case scavenging of a two-stroke-cycle engine.
- CRANKLESS engines. *See* Engines: Comments on crankless engine types.
- CRARY, HAROLD. Dependable air transport is with us right now.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 218-221, ill.
- CRAWFORD. Crawford metal plane.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, p. 930, ill.  
Aviation, Vol. 25, No. 8 (Aug. 18, 1928), New York, pp. 531, 551-554, ill.
- CREMER, M. C. Aviation in Brazil.  
Aviation, Vol. 24, No. 14 (Apr. 2, 1928), New York, pp. 837, 856.
- CRESTANI, GIUSEPPE. Contributo richiesto agli aeronauti nello studio delle nubi.  
Rivista Aeronautica, Anno 4, N. 9 (Sett. 1928), Roma, pp. 526-538, ill.
- La sezione meteorologica del R. Magistrato alle Acque.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30, Ott. 1927, Vol. IV, Roma, 1928, pp. 52-54.
- CRISTOFOLI, EZIO. Gestioni aviatorie.  
L'Aerotechnica, Vol. 8, N. 8 (Agosto 1928), Anno 6, Pisa, pp. 525-537.
- Le marche di immatricolazione degli aeroplani.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 482-490.
- CROCCO, G. ARTURO. Meccanica.—Sulla rigidezza a torsione delle ali degli aeroplani.  
Atti della Real Accademia Nazionale dei Lincei, Anno 325, 1928 (VI), Rendiconti, Vol. 7, Fasc. 8, Roma, pp. 611-616.
- Sul peso delle strutture aeronautiche.  
Atti della Reale Accademia Nazionale dei Lincei, Anno 325, 1928 (VI), Serie sesta, Rendiconti, Classe di Scienze fisiche, matematiche e naturali, Vol. 7, Fascicolo del 19 (feb. 1928), Roma, pp. 273-278.  
Reviewed in Nature, Vol. 121, No. 3061 (June 30, 1928), London, p. 1043.
- CROS, GUY-CHARLES. A propos d'un livre nouveau.  
L'Aérophile, 36e année, Nos. 1-2 (1er-15 jan. 1928), Paris, p. 12, ill.
- CROSS, B. C. H. The equipment of flying boats.  
Journ. Roy. Aer. Soc., Vol. 32, No. 214 (Oct. 1928), London, pp. 850-871, tabs.
- CROSTHWAIT, H. L. Air survey and Empire development.  
Journal of the Royal Society of Arts, Vol. 77, No. 3971 (Dec. 28, 1928), London, pp. 162-183, ill.
- CROWLEY, J. W., jr., and R. E. MIXSON. Characteristics of five propellers in flight.  
National Advisory Committee for Aeronautics, Report No. 292, Dec. 11, 1928, Washington, Government Printing Office, 1928, pp. 23, ill., diagrs., tabs.

- CROYDON.** Croydon airport formally opened.  
Flight, Vol. 20, No. 19 (May 10, 1928), London, pp. 317-318, ill.
- See Knack, Fred. J.: The Croydon airport.
- CURTISS.** Curtiss Challenger engine.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 452, 454, ill.
- The Curtiss Chieftain engine.  
The Aeroplane, Vol. 34, No. 20 (May 16, 1928), London, p. 712, ill., diagr  
Flight, Vol. 20, No. 24 (June 14, 1928), London, pp. 447-448, ill.
- The Curtiss Chieftain 600 H. P. air-cooled engine.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 958, 960, ill.
- Curtiss Falcon developments.  
The Aeroplane, Vol. 34, No. 2 (Jan. 11, 1928) London, p. 36, ill.
- Curtiss Navy training plane.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, p. 586, ill.
- Curtiss-Robertson plant.  
Aviation, Vol. 25, No. 17 (Oct. 20, 1928), New York, pp. 1258, 1282-1286. ill.
- The Curtiss Robin.  
The Aeroplane, Vol. 34, No. 20 (May 16, 1928), London, p. 710, ill.
- Curtiss Robin three-seater cabin monoplane.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 966-968, ill.
- Dynamometer carburation runs on Curtiss GV-1570 engines  
Air Corps Information Circular, Vol. 7, No. 630 (Nov. 24, 1928), Washington, United States  
Government Printing Office, 1929, pp. 5, ill., diags.
- Geared V-1550 Curtiss engine test.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 58.
- A new American training machine. Fledgling.  
The Aeroplane, Vol. 34, No. 16 (Apr. 18, 1928), London, p. 566, ill.
- The new supercharged Curtiss Hawks.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 186, ill.
- O X 5 airplane engine; Curtiss water-cooled 90-horsepower engine.  
Science n. s., Vol. 67, sup. 12 (Mar. 16, 1928), Garrison.
- CURTISS, GLENN H.** Some thoughts on aviation.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, p. 419, ill.
- CYLINDERS.** See Ghosh, Suddhodan: On plane strain and stress in rotating  
alliptic cylinders and disks.
- See Hicks, Chester W.: The measurement of maximum cylinder pressures.
- See Walton, E. T. S.: The formation of vortices behind a cylinder moving  
through a fluid.
- See Zahm, Albert Francis, R. H. Smith, and F. A. Loudon: Forces on  
elliptic cylinders in uniform air stream.
- CZECHOSLOVAKIA.** L'industrie aéronautique Tchéco Slovaque.  
Aéronautica, Vol. 2, No. 1 (Jan. 1928), Amsterdam, pp. 12-13.
- New light 'plane records by Czechoslovakia.  
Flight, Vol. 20, No. 2 (Jan. 12, 1928), London, p. 21, ill.
- Von der tschechoslowakischen Luftfahrt-industrie.  
Flug-Woche, 10. Jahrg., Heft 3, 1928, Berlin, pp. 78-80, ill.
- See Records: Records d'avions légers.



- CZEREVKOV, A. P. Über die Knickfestigkeit eines Stabes mit gegebenem Längsschnitt.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 13 (14 Juli 1928), München und Berlin, pp. 293-298, ill.

## D

- D'ARCOURT GOT, J., e A. ELICES Y GASSET. Contributo allo studio della etiologia e patogenia del male "degli aviatori."  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 511-521.
- DA FONSECA HERMES, JOR., J. S. La situation internationale des futurs aérodromes flottants.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 491-493.
- DA RIOS, L. S. Intorno ad un nuovo principio di navigazione aerea.  
L'Aerotechnica, Vol. 8, N. 5 (Mag. 1928), Anno 6, Pisa, pp. 299-309, ill.
- Il propulsore a risucchio e a reazione.  
L'Aerotechnica, Vol. 8, N. 11 (Nov. 1928), Anno 6, Pisa, pp. 935-937.
- Scie e anelli vorticosi.  
L'Aerotechnica, Vol. 8, N. 2 (Feb. 1928)—(Anno 6), Pisa, pp. 120-126.
- DAGNAUX, J. Une expérience d'hydroglisseur sur le Zambèze. Conclusions pratiques.  
L'Aéronautique, 10me année, No. 104 (jan. 1928), Paris, pp. 3-8, ill.
- Note sur un problème de navigation.  
L'Aéronautique, 10me année, No. 105 (fév. 1928), Paris, p. 58, ill.
- DANIEL GUGGENHEIM FUND. Books on aeronautics, a bibliography of books likley to be of use in elementary and secondary schools, prepared by Roland H. Spaulding, under the direction of the Daniel Guggenheim fund committee on elementary and secondary aeronautical education.  
New York, Published by the Daniel Guggenheim fund for the promotion of aeronautics inc., 1928, pp. 40.
- The Daniel Guggenheim fund for the promotion of aeronautics.  
Mech. Eng., Vol. 50, No. 4 (April 1928), New York, pp. 330-331.
- DARWIN, HORACE. Obituary, Sir Horace Darwin. 1851-1928.  
Journ. Roy. Aer. Soc., Vol. 32, No. 215 (Nov. 1928), London, p. 916.
- DAVENPORT, W. Dollar a mile from Amsterdam to Java.  
Collier's, Vol. 81 (June 30, 1928), New York, p. 29, ill.
- DAVIDSON, F. TRUBEE. Annual report of the Assistant Secretary of War. (Aeronautics).  
Annual Reports War Department fiscal year ended June 30, 1927, Report of the Secretary of War to the President 1927, Washington, United States Government Printing Office, 1927, pp. 41-50.
- The Twenty-fifth anniversary of aviation.  
Aeronautic Review, Vol. 6, No. 8 (Aug. 1928), Washington, D. C., pp. 120, 125, port.
- DAVIES, H., and F. B. BRADFIELD. Wind-tunnel test of aerofoil M. 2.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 142-146, diags., tabs.
- DAVIES, H. Wind-tunnel test of aerofoil R. A. F. 34.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 147-151, ill., diags., tabs.
- DAVIS, WARREN JEFFERSON. Japan, the air menace of the Pacific.  
Boston, Christopher Pub. House, 1928, pp. 7-157, ill.

- DAWIDOFF, A. Luftpost und Luftverkehr.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 7 (14. April 1928), München und Berlin,  
pp. 145-162, map., ill.
- DAWN. See Atlantic: Nouvel échec sur l'Atlantique.
- DAY, STEPHEN D. Start of the Transcontinental air races.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 728, 730, 853-854.
- DAYTON CUB. The Dayton Cub engine.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, p. 593, ill.
- DEBUS, W. Privatfliegerschulen oder Vereinsfliegerschulen?  
Der Luftweg, Heft 16, Jahrg. 1928 (25. Aug. 1928), Berlin and München, pp. 177-179.
- DEFÖE, GEORGE L. Resistance of streamline wires.  
National Advisory Committee for Aeronautics, Technical Notes No. 279, Washington,  
March 1928, p. 7, diags., tabs.
- See Higgins, George J., W. S. Diehl, and George L. DeFoe: Tests on  
models of three British airplanes in the variable density wind tunnel.
- DEFRASSE, HENRI. Projet d'île flottante.  
L'Aérophile, 36e année, Nos. 9-10 (1er-15 mai 1928), Paris, pp. 137-138, ill.
- DE GLYMES, RAOUL. L'adaptation des propulseurs "Schul" aux avions.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma,  
1928, pp. 127-142, ill., tabs., diags.
- DE HAVILLAND: Concerning the De Havilland differential aileron.  
Mech. Eng., Vol. 50, No. 1 (March 1928), New York, p. 246.
- The De Havilland invasion of Canada.  
The Aeroplane, Vol. 35, No. 11 (Sept. 12, 1928), London, pp. 468, 470, ill.
- The De Havilland 61 "Canberra" (British). A 6-8 passenger airplane.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 65, Washington,  
January 1928, pp. 9, ill.
- DESGRANDSCHAMPS, R. G. Précis d'aérodynamique.  
Paris, à la librairie F. Louis Vivien.
- DESIGN. Airship design and fallacies.  
Scient. Amer., Vol. 138 (June 1928), New York, p. 546, ill.
- Design of airplanes.  
Science, n. s., Vol. 67, supp. 10-12 (Jan. 27, 1928), Garrison.
- See Lachmann, G.: The span as a fundamental factor in airplane design.
- DETROIT. All-American aircraft show at Detroit.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, pp. 539-574, ill.
- America's first aircraft show, 1928, Detroit.  
Magazine of Business, Vol. 53 (June 1928), Chicago, p. 714, ill.
- An aftermath of the Detroit aircraft show.  
The Aeroplane, Vol. 35, No. 10 (Sept. 5, 1928), London, pp. 422, 424.
- The Detroit All-American aircraft show.  
The Aeroplane, Vol. 34, No. 18 (May 2, 1928), London, pp. 640-644, ill.
- The Detroit show.  
Aviation, Vol. 24, No. 16 (Apr. 16, 1928), New York, pp. 967-973, ill.
- Indrukken van een Amerikaanschen constructeur over de luchtvaartten-  
toonstelling te Detroit.  
Het Vliegfeld, 12de Jaarg., No. 6 (Juni 1928), Amsterdam, pp. 164-166.
- See Cooper, Ray: Stage all-American aircraft show at Detroit, April  
14-21.

- DETROIT. *See* Nevill, John T.: The Detroit air-olympics.
- DEUTSCHE KRAFTFAHRZEUG TYPERSCHAU. Luftfahrzeuge und Luftfahrzeugmotoren.  
Dresden, Verlag Deutsche motor Zeitschrift G. m. h. H.
- DEUTSCHE VERSUCHSANSTALT FÜR LUFTFAHRT. Bericht des Fachnormenausschusses für Luftfahrt (Falu).  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 3 (14. Feb. 1928), München und Berlin, pp. 63-64.
- L'exposition du "D. V. L." à Berlin.  
L'Aéronautique, 10me année, No. 114 (nov. 1928), Paris, pp. 371-375, ills.
- Luftfahrtforschung. Berichte der Deutschen Versuchsanstalt für Luftfahrt, E. V., Berlin-Aldershof (D. V. L.), der Aerodynamischen Versuchsanstalt zu Göttingen (AVA), des Aerodynamischen Institutes der Techn. Hochschule Aachen und anderer Stätten der Luftfahrtforschung.  
München, R. Oldenbourg.
- DEUTSCHEN LUFT HANSA. Der Sommerflugplan der Deutschen Luft Hansa.  
Der Luftweg, Heft 8, Jahrg. 1928 (25. April 1928), Berlin and München, pp. 75-77, diagr.
- DEUTZ. Comment se defendre contre les avions.  
Paris, Charles Lavaurelle et C., 1928, pp.
- DEWAR, A. C., and R. E. BYRD. Has aviation a future?  
Forum, Vol. 80 (Aug., Sept., Nov. 1928), New York, pp. 161-171, 479, 794-796.
- DEWOITINE. Monoplan Dewoitine de chasse "D.-27."  
La Nature, No. 2794 (1er oct. 1928), Paris, p. 327, ill.
- DICKSON, ROGER S. Another cheap single-seater design, "The Beetle."  
Aircraft Engineer, suppl. to Flight, Vol. 20, No. 52 (Dec. 27, 1928), London, pp. 1086f-1086g., diagr.
- DIEHL, WALTER STUART. Engineering aerodynamics.  
New York, The Ronald Press Company, [1928], pp. 288, ills., diagrs.
- The reduction of observed airplane performance to standard conditions.  
National Advisory Committee for Aeronautics, Report No. 297, Feb. 28, 1929, Washington, Government Printing Office, 1928, pp. 27, diagrs., tabs.
- Two practical methods for the calculation of the horizontal tail area necessary for a statically stable airplane.  
National Advisory Committee for Aeronautics, Report No. 293, Jan. 20, 1929, Washington, Government Printing Office, 1928, pp. 20, diagrs., tabs.
- *See* Chandler, Charles de Forest, and W. S. Diehl: Balloon and airship gases.
- *See* Higgins, George J., W. S. Diehl, and George L. DeFoe: Tests on models of three British airplanes in the variable-density wind tunnel.
- DIEMER, FRANZ ZENO. Flugboot und Seegang.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 107-115, ill., diagrs.
- DIESEL engines. *See* Basu, Jatindra Nath: Contribution to the design and calculation of fuel cams and fuel valves for Diesel engines.
- *See* Neumann, Kurt: The Diesel as a vehicle engine.
- *See* Sass, F.: Ignition and combustion phenomena in Diesel engines.
- *See* Tausz, J., and F. Schulte: Ignition points and combustion reactions in Diesel engines.
- *See* Taylor, H. B.: High-speed compression-ignition engine research.



- DIETHYL selenide. *See* Nagai, Yuzaburo: Effect of anti-knock materials on the speed of initial uniform movement of the flame in hydrocarbon-air mixtures.
- DINES, WILLIAM HENRY. Obituary. William Henry Dines, 1855-1927.  
Journ. Roy. Aer. Soc., Vol. 32, No. 206 (Feb. 1928), London, p. 94.
- DINGLINGER. Meine Erlebnisse und Erfahrungen mit dem kleinen Sport-Luftschiffe P. L. 5.  
Der Luftweg, Heft 18, Jahrg. 1928, (25. Sept. 1928), Berlin und München, pp. 194-195.
- DIRECTION finding. Direction finding in navigation.  
Nature, Vol. 121, No. 3040 (Feb. 4, 1928), London, p. 189.
- DIRIGIBLES. *See* Airships.
- DISKS. *See* Ghosh, Suddhodan: On plane strain and stress in rotating elliptic cylinders and disks.
- DIX, E. H., jr. Application of "Alclad" to aircraft.  
Aviation, Vol. 25, No. 26 (Dec. 22, 1928), New York, pp. 2034-2035, 2062-2069, ill., diag.
- DOBIAS, FRANK. The picture book of flying.  
New York, The Macmillan Company, 1928, pp. 64, ills.
- DÖRING, HERMANN. Das internationale Recht der Privatluftfahrt.  
Berlin, Gebr. Radetzki, 1927, pp. 60.
- Die Luftversicherung. Entwicklung, Recht und Technik.  
Berlin, Verlag: E. S. Mittler & Sohn, 1928, pp. 232.
- DOLLFUS, CHARLES. Le concours d'avions légers.  
L'Aéronautique, 10me année, No. 113 (oct. 1928), pp. 360-361, ill.
- Impressions d'un passager d'autogire.  
L'Aéronautique, 10me année, Nos. 109-110 (juin-juil. 1928), Paris, p. 213.
- Le musée de l'Aéronautique de Chalais-Meudon.  
Le Genie Civil, T. 92, No. 12 (24 mars 1928), Paris, pp. 296-297.
- Seconde visite à l'aviation des États-Unis.  
L'Aéronautique, 10me année, No. 113, 114 (oct., nov. 1928), Paris, pp. 345-348, 393-402, ills.
- Visite aux clubs anglais d'aviation légère.  
L'Aéronautique, 10me année, Nos. 109-110 (juin-juil. 1928), Paris, pp. 215-216, ills.
- *See* Hirschauer, L., et Charles Dollfus: L'année aéronautique 1927-1928.
- DOLLFUS, WALTER. Sie schweizerische Civilluftfahrt 1927.  
Aéronautica, Vol. 2, No. 1 (Jan. 1928), Amsterdam, pp. 10-12, ill.
- Werdender Weltluftverkehr.  
Aéronautica, Vol. 2, No. 11 (Nov. 1928), Amsterdam, pp. 224-228, map.
- DOMENICO, Cosci. Il decollo degli apparecchi sovraccaricati.  
Ministero dell' Aeronautica, Notiziario Tecnico di Aeronautica, Anno 6, N. 5 (Mag. 1928), Roma, pp. 1-13, ills.
- DOMPÈ, GIORGIO. La determinazione preventiva della verticale baricentrica del volume di un'aeronave.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 143-150.
- DONALISIO, ALFONSO. I trasporti combinati aereo-ferroviari.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 126-132.
- DOPES. *See* Atsuki, Katsumoto, and Ryo Shinoda: Researches on cellulose acetate and its solution. I.—Composition of cellulose acetate lacquer for aeroplane dope. II.—Stability of cellulose acetate.

- DOPES. *See* Atsuki, Katsumoto, and Ryo Shinoda: Researches on cellulose acetate and its solution. IV.—On the acetylation of cellulose.
- *See* Atsuki, Katsumoto, and Ryo Shinoda: Researches on cellulose acetate and its solution, V.—Relation of temperature and time of ripening to the viscosity of cellulose acetate.
- *See* Tanaka, Yoshio, and Katsumoto Atsuki: Researches on cellulose acetate and its solution. III.—Stabilizer for cellulose acetate.
- *See* Young, Gerald P.: Airplane dopes and their application.
- DORNIER. Dornier.
- Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 232-234, ill.
- Dornier Dolphin flying boat.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 272, ill., diagr.
- The four-engined Dornier Superwal.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 380, ill.
- The new Dornier "Super-Wal."  
Flight, Vol. 20, No. 2 (Jan. 12, 1928), London, p. 18, ill.
- *See* Gustosa, Corrado. L'idrovolante quadrimotore "Dornier Superwal."
- *See* Schubiger, Claude: L'aviation allemande: L'hydravion géant Dornier-Super-Wal, quadrimoteur.
- DORNIER, C. Notes on a family of similar flying boats.  
Journ. Roy. Aer. Soc., Vol. 32, No. 216 (Dec. 1928), London, pp. 931-1020, ill., tabs., diagrs.
- DOTY, G. H. Wheel brake equipment for aircraft.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 35, No. 9 (Aug. 29, 1928), London, pp. 387-388, diagr.
- Wheel brakes and their application to aircraft.  
Aircraft Engineer, suppl. to Flight, Vol. 20, No. 4 (Jan. 26, 1928), London, pp. 54g-54k., diagr.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 466, May 1928, Washington, pp. 29, ill., diagrs.  
From "Flight," November 24 and December 29, 1927, and January 26, 1928.
- DOUGLAS. Douglas Ambassador monoplane.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 746, ill.
- *See* Borden, D. M.: Wind tunnel test of 1/24-scale model of the Douglas O-2E-1 airplane wing cellule through 360 degrees.
- DOUGLAS, EDWIN R. The control of the materials.  
Aviation, Vol. 25, No. 16 (Oct. 13, 1928), New York, pp. 1184-1185, 1222-1124, diagr.
- Controlling the overhead expenses.  
Aviation, Vol. 25, No. 27 (Dec. 23, 1928), New York, pp. 2098, 2118-2122.
- Labor tickets, their forms and uses.  
Aviation, Vol. 25, No. 11 (Sept. 8, 1928), New York, pp. 814-815, 828, ill.
- Modern management and the industry.  
Aviation, Vol. 25, No. 6 (Aug. 4, 1928), New York, pp. 402, 434-438.
- Purchasing and receiving the materials.  
Aviation, Vol. 25, No. 19 (Nov. 3, 1928), New York, pp. 1406-1407, 1434-1442, diagr.
- Regarding the stock ledger.  
Aviation, Vol. 25, No. 17 (Oct. 20, 1928), New York, pp. 1256-1257, 1286-1294, ill.
- Specifications of the labor.  
Aviation, Vol. 25, No. 9 (Aug. 25, 1928), New York, pp. 596-597, 608-610, ill., charts.
- Specifications of the material.  
Aviation, Vol. 25, No. 8 (Aug. 18, 1928), New York, pp. 528-529, 562, 564, chart.

- DOUGLAS, G. P. Experiments on model airscrews at high tip speeds.  
Journ. Roy. Aer. Soc., Vol. 32, No. 210 (June 1928), London, pp. 482-518, ills., diagrs.
- DOUGLAS, G. P., and W. G. A. PERRING. Wind-tunnel tests with high tip speed airscrews. The characteristics of a conventional airscrew section, aeroföil R. & M. 322, No. 3, at high speeds.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 338-351, ills., diagrs., tabs. Reports and Memoranda No. 1174. (Ae. 338), July 1928.
- Wind-tunnel tests with high tip speed airscrews. The characteristics of a bi-convex aerofoil at high speeds.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 307-327, ills., diagrs., tabs.
- Wind-tunnel tests with high tip speed airscrews. The characteristics of bi-convex No. 2 aerofoil section at high speeds.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 328-337, ills., diagrs., tabs.
- Wind-tunnel tests with high tip speed airscrews. The characteristics of the aerofoil section R. A. F. 31a at high speeds.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 274-306, ills., diagrs., tabs.
- DOUGLAS, G. P. See Perring, W. G. A., 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.
- DOUHET, GIULIO. Ancora per l'armata aerea.  
Rivista Aeronautica, Anno 4, N. 7 (Luglio 1928), Roma, pp. 62-77.
- Caccia, combattimento, battaglia.  
Rivista Aeronautica, Anno 4, N. 9 (Sett. 1928), Roma, pp. 465-501, map.
- La conquista del dominio dell'aria.  
Rivista Aeronautica, Anno 4, N. 3 (Marzo 1928), Roma, pp. 411-439.
- Controffensiva.  
Rivista Aeronautica, Anno 4, N. 11 (Nov. 1928), Roma, pp. 203-233.
- Divagazioni sul problema integrale della guerra.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 413-438.
- Il dominio dell'aria.  
Rivista Aeronautica, Anno 4, N. 2 (Feb. 1928), Roma, pp. 201-220.
- Dominio, non supremazia aerea temporanea e localizzata.  
Rivista Aeronautica, Anno 4, N. 6 (Giugno 1928), Roma, pp. 427-443.
- Per l' arte della guerra aerea.  
Rivista Aeronautica, Anno 4, N. 5 (Mag. 1928), Roma, pp. 213-233.
- Probabili aspetti della guerra futura.  
Rivista Aeronautica, Anno 4, N. 4 (Aprile 1928), Roma, pp. 1-59.
- DOWNNEY, H. C. Flying in Panama.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, pp. 170-171, 298-299, ill.
- DRAG. Determination of structural airplane drag.  
Air Corps Information Circular, Vol. 7, No. 629 (Nov. 24, 1928), Washington, United States Government Printing Office, 1929, pp. 24, ills., tabs.
- Profil Widerstandmessungen im Fluge.  
Zeitschr. Ver. deutsch. Ing., Band 72, Nr. 40 (6. Okt. 1928), Berlin, p. 1402, ill.
- See Reyneker, F. H.: Quelques remarques sur les principes formant la base pour la détermination des facteurs de charge, employés dans les calculs de résistance des avions.



- DRAG. See Weick, Fred E.: Drag and cooling with various forms of cowling for a "whirlwind" engine in a cabin fuselage.
- See Wood, Donald, H.: Drag of exposed fittings and surface irregularities on airplane fuselages.
- See Zahm, Albert Francis, R. H. Smith, and F. A. Loudon: Drag of C-class airship hulls of various fineness ratios.
- DRAKE, F. H. Radio receiving equipment with rod antenna for reception of beacon and weather service.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 717-718, ill.
- DREISONSTOK, JOSEPH YOUNG. Navigation tables for mariners and aviators. Published by the Hydrographic Office under authority of the Secretary of the Navy.  
Washington, United States Government Printing Office, 1928, pp. iv, 83, tabs., diags.
- DRONIN, PAUL V., EARL I. RAMSDEN, and GEORGE J. HIGGINS. The effect of tip shields on a horizontal tail surface.  
National Advisory Committee for Aeronautics, Technical Notes No. 295, Washington, August 1928, p. 10, ills., diags., tabs.
- DUCHÊNE, R. L'influence du plomb tétréthyle sur la déflagration des mélanges carburés gazeux.  
C. R. Acad. Sci., T. 187, No. 4 (23 juil. 1928), Paris, pp. 200-201.
- DUCOUT, MARCEL. L'autogire de La Cierva.  
L'Aérophile, 36e année, Nos. 19-20 (1er-15 oct. 1928), Paris, pp. 295-298, ills., diags.
- Le rallye ballons féminin et le concours d'atterrissage de l'Aéro-Club.  
L'Aérophile, 36e année, Nos. 11-12 (1er-15 juin 1928), Paris, pp. 163-166, ills.
- Le Salon de Berlin.  
L'Aérophile, 36e année, Nos. 21-22 (1er-15 nov. 1928), Paris, pp. 323-329, ills.
- DUMANOIS, PAUL. Au sujet de la théorie des antidetonants.  
C. R. Acad. Sci., T. 186, No. 5 (30 jan. 1928), Paris, pp. 292-293.
- Aviation fuels. (With especial reference to "White Spirit.")  
National Advisory Committee for Aeronautics, Technical Memorandums No. 451, February 1928, Washington, pp. 12.  
From "La Technique Aéronautique," April 15, 1927.
- Dynamomètre enregistreur, système Georges Bonnet, pour la mesure de la tension des commandes d'avions pendant le vol.  
Bulletin de la Société d'Encouragement, déc. 1927.  
Reviewed in: Le Genie Civil, T. 92, No. 11 (17. mars 1928), Paris, p. 268.
- DUNAY, GEORGE F. Three musketeers of the air: Hermann Kohl, J. C. Fitzmaurice, and G. von Huenefeld, their conquest of the Atlantic from east to west. Translated from the German.  
New York, Putnams, 1928, pp. xi+330, ill.
- DUNCAN, RICHARD. Air navigation and meteorology; a complete and practical work on air pilotage. A book for the student, the experienced pilot, and for those desirous of qualifying as "air navigators."  
New York, Koppel Publishing Company, 1928, pp. 136, illus., diags.
- Air navigation and meteorology.  
Chicago, The Goodheart-Wilcox Company, Inc., 1928, pp. 233, illus., maps. Second edition.
- DUNCAN, W. J. On a modification of the Chattock gauge, designed to eliminate the change of the zero with temperature.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 848-852, ill.
- DUNLAP, W. M. Spot welding of aluminum and its alloys.  
Aviation, Vol. 25, No. 9 (Aug. 25, 1928), New York, pp. 590-591, 618-626, ill.

- DUNN, H. H. Lighthouses of the air.  
Pop. Mech., Vol. 50 (Dec. 1928), Chicago, pp. 906-911, ill.
- DUPONT, P. Introduction à l'étude du biplan. Intéraction de deux corps non contigus.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 150-179, ill.
- DURALUMIN. Über die Herstellung und die Mechanischen Eigenschaften des Duralumins.  
Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 39 (Vol. 3, 9), (August 1928), Tokyo, pp. 271-403, Ills., diagrs., tabs.
- See Petersen, Peter: Das Schweissen von Duralumin im Flugzeugbau.
- See Rawdon, Henry S.: Corrosion embrittlement of duralumin. I. Practical aspects of the problem.
- See Rawdon, Henry S.: Corrosion embrittlement of duralumin. II. Accelerated corrosion tests and the behavior of high-strength aluminum alloys of different compositions.
- See Rawdon, Henry S.: Corrosion embrittlement of duralumin. III. Effect of the previous treatment of sheet material on the susceptibility to this type of corrosion.
- See Rawdon, Henry S.: Corrosion embrittlement of duralumin. IV. The use of protective coating.
- See Rawdon, Henry S.: Duralumin for airplane use.
- See Rawdon, Henry S.: Protection of duralumin against embrittlement.
- See Stout, W. B.: Duralumin all-metal airplane construction.
- DURAND DE PREMORÉL. L'aviation coloniale.  
L'Aérophile, XIe Salon de l'aéronautique, 29 juin-15 juil. 1928, Paris, pp. 15-16.
- DURAND, WILLIAM FREDERICK. Aeronautical education.  
Journal of the National Educational Association (1928), Washington, pp. 809-813.
- DUST. See Burton, Walter E.: The dust nuisance and its elimination.
- DUVAL, A.-B., et L. HÉBRARD. Traité pratique de navigation aérienne.  
Paris, Gauthier-Villars et Cie., 1928, pp. 196, ill.
- DYCKER-AUSTIN. Dycer-Austin alloy piston.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, p. 90, ill.
- DYKE, ANDREW LEE. Aircraft engine instructor.  
Chicago, Goodheart-Wilcox Co., 1928, pp. x+372, ill.
- DYLE et BACALAN. Avion Dyle et Bacalan D. B. 20.  
La Nature, No. 2798 (1er déc. 1928), Paris, p. 521, ill.

## E

- EALLES, E. N., and D. M. BORDEN. Wind-tunnel test of 1/20-scale model of the matériel division night observation airplane.  
Air Corps Information Circular, Vol. 7, No. 610 (Feb. 1, 1928), Washington, Government Printing Office, 1928, pp. Ills., diagrs., tabs.
- EARHART, AMELIA. Amelia Earhart returns to home port.  
Aeronautic Review, Vol. 6, No. 7 (July 1928), Washington, D. C., p. 100.
- Another Atlantic flight.  
Flight, Vol. 20, No. 25 (June 21, 1928), London, pp. 460, 476, map.

- EARHART, AMELIA. 20 Hrs. 40 Min., our flight<sup>1</sup> in the "Friendship": The American girl, first across the Atlantic by air, tells her story.  
New York and London, G. P. Putnam's Sons, 1928, pp. 314.
- See Atlantic: Miss Earhart et la sixième traversée de l'Atlantique Nord.
- See "Friendship": Traversée de l'Atlantique.
- See Mabie, J.: Miss Earhart sleeps on trip home as her shipmates gossip.
- EASTMAN. See Nevill, John T.: The Eastman flying boat.
- ECKENER, HUGO. The case of the airship. II.—Dirigibles can successfully compete with aeroplanes for speed, safety, and regularity.  
Airways, Vol. 4, No. 56 (Jan., Feb. 1928), London, pp. 159-161, 205-206, ill.
- See Langsdorff: Dr. Eckener. 60 Jahre alt.
- EDUCATION. See Durand, William Frederick: Aeronautical education.
- EGERTON, A., and S. F. GATES. Summary by the secretary (engine subcommittee) of a "Report on anti-knock investigations."  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 692-705, ills., diags.
- EGERTON, ALFRED C. Engine knock and related problems.  
Nature (Suppl.), Vol. 122, No. 3062 (July 7, 1928), London, pp. 20-26, ill.
- ELECTRICAL equipment. See Marino, Algeri: Sugli impianti elettrici a bordo degli aeroplani.
- ELECTRICITY. Funkwesen und Elektrotechnik in der Luftfahrt.  
Zeitsch. Ver. deutsch. Ing., Bd. 72, Nr. 42 (20. Okt. 1928), Berlin, pp. 1512-1513, ills.
- See Hess, V. F.: The electrical conductivity of atmosphere and its causes.
- ELECTRON. See Bonaretti, A. W.: Notizie sull' "Elektron" e sue applicazioni.
- ELGIN. The Elgin unit control board.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 379, ill.
- ELIAS. Elias "Aircoupe."  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 256, 258, ill., diagr.  
Flight, Vol. 20, No. 52 (Dec. 27, 1928), London, pp. 1081-1082, ill., diagr.
- ELICES Y GASSET, A. See D'Arcourt Got, J., e A. Elices y Gasset: Contributo allo studio della etiologia a patogenia del male "degli aviatori."
- ELLEHAMMER, JACOB. See Hydravion: De baanbrekers der dynamische luchtvaart. XV. Jacob Ellehammer.
- ELLIOT, G. Riduzione al mare, mediante procedimenti grafico-meccanici, della pressione atmosferica.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 55-63, diags.
- EMERSON, R. Atlantic liner airships.  
Review of Reviews, Vol. 78 (Dec. 1928), New York, pp. 621-626, ill., map.
- ENDURANCE. The endurance attempts.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, pp. 182, 234, ill.
- ENGBERDING, R. Die englischen Luftschiff-Neubauten R 100 und 101.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 9, 10 (14., 29. Mai 1928), München und Berlin, pp. 193-198, 219-222, ills.
- Luftschiff und Luftschiffahrt in Vergangenheit, Gegenwart und Zukunft Eine allgemein verständliche Einführung in das moderne Luftschiffwesen und seine grossen Probleme. Bau und Verwendung der Luftschiffe.  
Berlin, VDI-verlag g. m. b. h., 1928, pp. xxiv, 303, ills., maps, diags.



- ENGBERDING, R. Nachdenkliches Luftschiff-Allerlei aus England.  
Der Luftweg, Heft 7, Jahrg. 1928, (10. April 1928), Berlin, München, pp. 62-65.
- ENGINEERING. See Clark, Virginius Evans: Elements of aviation.
- ENGINEERING conference. See National Advisory Committee for Aeronautics:  
Third annual aircraft engineering research conference under the auspices of  
National Advisory Committee for Aeronautics, Langley Field, Virginia,  
May 15, 1928.
- ENGINEERS. Air or ground engineer.  
Journ. Roy. Aer. Soc., Vol. 32, No. 208 (April 1928), London, p. 243.
- Scuola d'Ingegneria Aeronautica presso la Regia Scuola d'Ingegneria in  
Roma. Annuario 1926-1927 e programmi dei corsi.  
Roma, 1928, p. 55.
- ENGINES. Are aero engines reliable?  
Journ. Roy. Aer. Soc., Vol. 32, No. 205 (Jan. 1928), London, pp. 65-68.
- The Comet engine.  
Aviation, Vol. 24, No. 13 (Mar. 26, 1928), New York, pp. 770-771, ill.
- Comments on crankless engine types.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 462, May  
1928, Washington, p. 11, ill.  
From "Motorwagen," November 20, 1927.
- Een overzicht van de eischen en overwegingen bij de ontwikkeling van den  
modernen vliegtuigmotor.  
Het Vliegveld, 12de Jaarg., No. 11 (Nov. 1928), Amsterdam, pp. 219-321, ill.
- The engine situation.  
Aviation, Vol. 24, No. 1 (Jan. 2, 1928), New York, p. 21.
- The Floco aviation engine.  
Aviation, Vol. 24, No. 10 (Mar. 5, 1928), New York, pp. 576, 594-595, ill.
- The Ford engine.  
Aviation, Vol. 24, No. 9 (Feb. 27, 1928), New York, p. 509, ill.
- La laboratoire du moteur.  
L'Aéronautique, 10me année, No. 110 (juil. 1928), Paris, pp. 254-260, ill.
- Les moteurs étrangers au dernier Salon.  
L'Aéronautique (L'Aérotechnique, 6e année, No. 68), 10me année, No. 111 (août 1928),  
Paris, pp. 279-282, ill.
- Nouveaux moteurs étrangers.  
L'Aérophile, 36e année, Nos. 19-20 (1er-15 oct. 1928), Paris, p. 313, ill.  
Napion "Lion" et Zeppelin LZ 127.
- The repair of engines in the R. A. F.  
The Aeroplane, Vol. 34, No. 7 (Feb. 15, 1928), London, pp. 210, 212.
- Une solution nouvelle de la suralimentation des moteurs.  
L'Aéronautique (L'Aérotechnique, 6e année, No. 69), 10me année, No. 112 (sept. 1928),  
Paris, pp. 320-322, ill.
- Starting the engine.  
Scient. Amer. Vol. 138 (May 1928), New York, pp. 461-463, ill.
- Wright engine service.  
Aviation, Vol. 25, No. 15 (Oct. 6, 1928), New York, pp. 1096, 1120-1124, ill.
- Vers le "groupe-moteur" complet.  
L'Aéronautique, 10me année, No. 110 (juil. 1928), pp. 225-226.

- ENGINES. *See* Alliott, E. H.: A new British aero engine. A pilot's impressions of the 220 h. p. Bristol "Titan."
- *See* Argus: Argus.
- *See* Basu, Jatindra Nath: Contribution to the design and calculation of fuel cams and fuel valves for Diesel engines.
- *See* Bullinger, R.: Die Flugmotoren auf der Ila 1928.
- *See* Carter, B. C.: Torsional vibration in engines.
- *See* Cases, Armando Levi: Esempi di motori ad olio pesante a grande velocità e significato dei loro risultati per il problema del motore leggero.
- *See* Cases, Armando Levi: Sulla preparazione e sullo svolgimento della combustione nei motori ad iniezione meccanica.
- *See* Cei, Leoniero: Il motorista d' aviazione.
- *See* Curtiss: Dynamometer carburation runs on Curtiss GV-1570 engines.
- *See* Egerton, Alfred C.: Engine knock and related problems.
- *See* Eula, Antonio: Un'osservazione sulle curve caratteristiche dei motori di aviazione.
- *See* Exhaust silencers: Engine exhaust silencers.
- *See* Fairchild-Caminez: Moteur Fairchild-Caminez à came.
- *See* Faurote, F. L.: Wright "Whirlwind" a high achievement in engineering.
- *See* Fearn, E. J.: On the balance and inertia torque of multicylinder engines.
- *See* Fiat A 20: Libretto d' istruzione per l' uso del motore Fiat A 20 (Ministero dell' aeronautica; direzione generale del genio aeronautico).
- *See* Fleury, R. de: Sur les pistons d'aluminium.
- *See* Fowler, I. G. V.: Repair of aero engines.
- *See* Gaudefroy, J.: Technique et dessin des moteurs françaises.
- *See* Glauert, H.: A discussion of the law of variation of engine power with height.
- *See* Gnome-Rhone: Le moteur Gnome-Rhone "Titan" 240 cv.
- *See* Gossiau, F.: Rechnerische und experimentelle Untersuchungen über Wärmebeherrschung und Leistungssteigerung in luftgekühlten Flugmotorenzylindern.
- *See* Gove, W. D.: The variation in engine power with altitude determined from measurements in flight with a hub dynamometer.
- *See* Guilonard, P.: De moderne vliegtuig-motor en mogelijkheden voor verdere ontwikkeling.
- *See* Hall, Harold: The Hall engine.
- *See* Hicks, Chester W., and Charles S. Moore: The determination of several spray characteristics of a high-speed oil engine injection system with an oscilloscope.
- *See* Hicks, Chester W.: The measurement of maximum cylinder pressures.
- *See* Holm, Otto: Crank case scavenging of a two-stroke-cycle engine.

- ENGINES. *See* Insley, Robert: Power-plant laboratory standard test methods and computations.
- *See* Isotta-Fraschini: Libretto d'istruzione per l'uso del motore Isotta-Fraschini tipo 12 DB.
- *See* Joachim, William F., and Edward G. Beardsley: The effects of fuel and cylinder gas densities on the characteristics of fuel sprays for oil engines.
- *See* Joachim, William F., and Carlton Kemper: The performance of several combustion chambers designed for aircraft oil engines.
- *See* Jupiter: Libretto d'istruzione per l'uso del motore Jupiter.
- *See* Kamm, W.: Die neuen Flugmotoren auf der Ila 1928.
- *See* Kamm, W.: Neuzeitliche Entwicklungsfragen für Flugmotoren unter besonderer Berücksichtigung der Höhenmotoren.
- *See* Katz, Hans: Neuzeitliche Flugmotoren.
- *See* Kinkade, T. H.: Tuning up transatlantic motors.
- *See* Kuipers, C.: Nieuwe vliegtuigmotoren.
- *See* Lehr, G.: Suralimentation et sousalimentation des moteurs d'aviation.
- *See* Lion, A.: Soll die Temperatur beim Verbrennungs-Motor nieder oder hoch sein?
- *See* Lorraine: Le nouveau moteur Lorraine a refroidissement par air.
- *See* McReynolds, Charles F.: The Hallett aircraft engine.
- *See* Martinot-Lagarde: Les groupes moteurs.
- *See* Martinot-Lagarde, C.: La construction des moteurs d'aviation en France.
- *See* Maybach: Maybach.
- *See* Mead, George J.: The "Wasp" series "B" engine.
- *See* Mitchell, R. J., P. A. Ralli, and G. S. Wilkinson: Quelques détails complémentaires sur les hydravions anglais de la coupe Schneider 1927; les moteurs par G. S. Wilkinson.
- *See* Mock, Richard M.: Engine exhaust silencers.
- *See* Möller, W.: Der Flugmotor.
- *See* Moss, H.: Heat transfer in internal combustion engines.
- *See* Nagai, Yūzaburō: Effect of anti-knock materials on the speed of initial uniform movement of the flame in hydrocarbon-air mixtures.
- *See* Neely, Frederick R.: Cowling of air-cooled radial engines develops enormous increase in speed.
- *See* Nerli, N.: Un importante problema sui motori a vento.
- *See* Neumann, Kurt: The Diesel as a vehicle engine.
- *See* Obata, Jūichi, and Yahei Yosida: An electrical indicator for high-speed internal-combustion engines.
- *See* Opel: El cohete como motor.
- *See* Pleines, Wilhelm: Die deutschen Flugmotoren und der gegenwärtige Stand ihrer Entwicklung.



- ENGINES. *See* Pleines, Wilhelm: Die Flugmotoren auf der "ILA"—Berlin.
- *See* Poincaré: La mesure du couple moteur en vol.
- *See* Poincaré: Les moteurs à injection et leur application à l'aviation.
- *See* Potez: Appareil bimoteur Potez 35.
- *See* Pratt and Whitney Aircraft Company: Pratt and Whitney engine handbook.
- *See* Rackwitz, E.: Kraftstoffe für Flugmotoren und deren Beurteilung.
- *See* Renault: Nouveau moteur Renault 250 HP refroidi par l'air.
- *See* Roughley, H. W.: Inspection methods for Whirlwind engines.
- *See* Rubbra, A. A.: Water-cooled aero engines.
- *See* Ryan, T. Claude: Care and maintenance of Siemens engines.
- *See* Sass, F.: Ignition and combustion phenomena in Diesel engines.
- *See* Schwager, Otto: Die Flugmotoren auf der Ila.
- *See* Shoemaker, J. M.: Near future developments in Navy aircraft engines.
- *See* Stipa, Luigi: Motore per alta quota autoraffreddatore.
- *See* Sahara, Toyotaro: La distribuzione e le oscillazioni della temperatura nelle parti principali di un motore d'aviazione.
- *See* Tausz, J., and F. Schulte: Ignition points and combustion reactions in Diesel engines.
- *See* Taylor, H. B.: High-speed compression-ignition engine research.
- *See* Walker, G. H.: Aircraft engine testing.
- *See* Ware, Marsden, and Ernest E. Wilson: The comparative performance of Roots type aircraft engine superchargers as affected by change in impeller speed and displacement.
- *See* Ware, Marsden, and Oscar W. Schey: A preliminary investigation of supercharging and air-cooled engine in flight.
- *See* Weick, Fred E.: Drag and cooling with various forms of cowling for a "Whirlwind" engine in a cabin fuselage.
- *See* Weick, Fred E.: The drag of a J-5 radial air-cooled engine.
- *See* Weidinger, Hanns: Die Flugmotoren im XI. Pariser Aero-Salon.
- *See* Wilkinson, G. S.: Schneider trophy design.
- *See* Younger, J. E.: Preliminary study of fatigue failures of metal propellers caused by engine impulses and vibrations.
- ENGLAND. *Activité des Aéro-Clubs Anglais en 1927.*  
*La Nature*, No. 2794 (1er oct. 1928), Paris, p. 327.  
*The air estimates and aeronautical progress.*  
*Engineering*, Vol. 125, No. 3244 (March 16, 1928), London, pp. 325-326.
- *Englands Luftfahrt 1928.*  
*Zeitschr. Ver. deutsch. Ing.*, Bd. 72, Nr. 15 (31. März 1928), Berlin, p. 434.
- *Les progrès de la construction des dirigeables en Angleterre.*  
*Le Génie Civil*, T. 92, No. 21 (26 mai 1928), Paris, pp. 515-517, ills.
- *Risks of English flying.*  
*Literary Digest*, Vol. 97 (May 12, 1928), New York, p. 19.

- ENGLAND. *See* Engberding: Die englischen Luftschiff-Neubauten R 100 und 101.
- *See* Engberding: Nachdenkliches Luftschiff-Allerlei aus England.
- *See* Pleines, W.: Englische Flugzeugbauverfahren.
- ENGLAND, T. H. The practical side of performance testing of aircraft.  
Journ. Roy. Aer. Soc., Vol. 32, No. 205 (Jan. 1928), London, pp. 6-24.
- ENTWISTLE, F. Fog.  
Journ. Roy. Aer. Soc., Vol. 32, No. 209 (May 1928), London, pp. 342-384, ill., diags., table.
- EQUIPMENT. Light 'plane equipment.  
Flight, Vol. 20, No. 26 (June 28, 1928), London, pp. 513-514, ill.
- *See* Cross, B. C. H.: The equipment of flying boats.
- EREDIA, FILIPPO. La determinazione della forza ascensionale dei palloni piloti.  
L' Aerotechnica, Vol. 8, N. 4 (Aprile 1928), (Anno 6), Pisa, pp. 235-240, ill.
- Distribuzione dell'umidità nell'atmosfera.  
Rivista Aeronautica, Anno 4, N. 3 (Marzo 1928), Roma, pp. 518-524.
- L'esplorazione dell'atmosfera a mezzo di cervi volanti e di sferici.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 64-68, ill.
- I meteorografi negli aeroplani.  
L'Aerotechnica, Vol. 8, N. 2 (Feb. 1928)—(Anno 6), Pisa, pp. 99-119, ill.
- Il servizio meteorologico ed aerologico durante la crociera aerea mediterranea.  
Rivista Aeronautica, Anno 4, No. 12 (Dic. 1928), Roma, pp. 496-503.
- Sulla determinazione della nebulosità normale di una data località.  
Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 70-73.
- ERIKSEN, E. C. New psychological tests for pilots.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 522-532, ill.
- ESNAULT-PELTERIE, ROBERT. L'exploration par fusées de la très haute atmosphère et la possibilité des voyages interplanétaires.  
Paris, Publié par le Société Astronomique de France.
- La navigation intersidérale ou astronautique.  
L'Aérophile, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, pp. 67-70, port.
- ESPENLAUB. Espenlaub.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, p. 240, ill.
- ESPERANTO. *See* Gagnotto, Luigi: Impiego dell'esperanto nella aeronavigazione.
- ETCHING aluminum. *See* Lyon, A. J.: Etching of aluminum alloy propellers.
- EULA, ANTONIO, e A. VITI. Il calcolo dell'autonomia degli aeroplani e i recenti voli transoceanici.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 180-197, diags.
- EULA, ANTONIO. El calcolo dell'autonomia dell'aeroplano con vento.  
L'Aerotechnica, Vol. 8, N. 2 (Feb. 1928)—(Anno 6), Pisa, pp. 127-144, diags.
- Considerazioni sul volo di durata.  
L'Aerotechnica, Vol. 8, N. 10 (Ott. 1928), Anno 6, Pisa, pp. 764-773, diagr.
- Un'osservazione sulle curve caratteristiche dei motori di aviazione.  
L'Aerotechnica, Vol. 8, N. 10 (Ott. 1928), Anno 6, Pisa, pp. 758-763, diagr.
- EUROPE. *See* Wissenschaftliche Gesellschaft für Luftfahrt: Grosser Luftverkehrs-Atlas von Europa.

- EUROPE. See Beltrami, Gian Mario: Politiche aeree europee.
- EVANS, STANLEY H. The problem of aerodynamic interference.  
Aircraft Engineer, suppl. to Flight, Vol. 20, Nos. 4, 8, 17 (Jan. 26, Feb. 23, Apr. 26, 1928), London, pp. 54d-54f, 116a-116e, 286a-286g, diagr.
- EVERLING. Ordentliche Mitgliederversammlung der Wissenschaftlichen Gesellschaft für Luftfahrt E. V.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 29 (21. Juli 1928), Berlin, pp. 1031-1032.
- EVERLING, E. Aufgaben der Luftfahrt.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 40 (6. Okt. 1928), Berlin, pp. 1393-1394, ill.
- Ila und Luftfahrtentwicklung.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23. u. 24 (20. Dez. 1928), München und Berlin, p. 537.
- EWALD, ERICH. Die Abteilung Luftbildwesen auf der Ila 1928.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23. u. 24 (20. Dez. 1928), München und Berlin, pp. 562-564, ill.
- EXHAUST silencers. Engine exhaust silencers.  
Proc. U. S. Nav. Inst., Vol. 54, No. 8 (Aug. 1928), Annapolis, Md., pp. 701-706, ill.
- See Mock, Richard M.: Engine exhaust silencers.
- EXPOSITIONS. Die Internationale Luftfahrt-Ausstellung 1928.  
Metallwirtschaft, 7. Jahrg., Heft 41 (12 Okt. 1928), Berlin, p. 1118.
- See Bertolini, C.: La mostra dell'aeronautica all'esposizione di Torino.
- See Deutsche Versuchsanstalt für Luftfahrt: L'exposition du "D. V. L." à Berlin.
- See France: Les avions du 11e Salon.
- See Gosslau, F.: Flugzeuge der elften Pariser Luftfahrt-Ausstellung.
- See Kleffer, Walther: Der Aero-Salon.
- See Lamé, M.: Au XIe Salon de l'Aéronautique 29 juin-15 juil.
- See Maroles, R. J. de: Die diesjährige Pariser Luftfahrtausstellung.
- See Paris: Le XIe Salon. L'exposition officielle.
- See Royal Aeronautical Society: The Royal Aeronautical Society at the International Aeronautical Exhibition Berlin, October 7-21, 1928.
- See Schulz, R.: Die Flugzeuge auf der XI. Luftfahrzeug-Ausstellung in Paris.
- See Wittekind, Fritz: Betrachtungen zur XI. Pariser Luftfahrzeug-Ausstellung.
- EYE. See Talenti, Cesare: Influenza delle luci colorate sull'adattamento retinico.
- EYNAC, LAURENT. Pour l'aviation Internationale.  
Aéronautica, Vol. 2, No. 6 (June 1928), Amsterdam, p. 104, port.

## F

- F.-17. International F-17.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 56, ill., diagr.
- FACCENDA, ETTORE. La difesa aerea della nazione.  
Rivista Aeronautica, Anno 4, N. 5 (Mag. 1928), Roma, pp. 302-305.
- In tema di mobilitazione civile.  
Rivista Aeronautica, Anno 4, N. 4 (Aprile 1928), Roma, pp. 81-84.



- FAGE, A. The connections between lift and circulation for an inclined flat plate. *Aeronautics. Tech. Rep. Aer. Res. Comm.* 1927-28, London, 1928, pp. 107-113, ills., tabs.
- The flow of air and of an inviscid fluid around an elliptic cylinder and an aerofoil of infinite span, especially in the region of the forward stagnation point. *Aeronautics. Tech. Rep. Aer. Res. Comm.* 1927-28, Vol. 1, London, 1928, pp. 61-80, diags., tabs.
- On the flow of air behind an inclined flat plate of infinite span. *Aeronautics. Tech. Rep. Aer. Res. Comm.* 1927-28, London, 1928, pp. 81-106, ills., diags., tabs.
- Some recent experiments on fluid motion. *Journ. Roy. Aer. Soc.*, Vol. 32, No. 208 (April 1928), London, pp. 296-330, ills., diags.
- FAGE, A., and F. C. JOHANSEN. The structure of vortex sheets. *Aeronautics. Tech. Rep. Aer. Res. Comm.* 1927-28, London, 1928, pp. 114-132, ills., diags., tabs.
- FAILLANT, HENRY. *See* Blanchet, Georges: *Aviateurs contemporains.* Henry Faillant.
- FAIRCHILD. Fairchild cabin plane for Byrd Antarctic expedition. *Aero Digest*, Vol. 13, No. 5 (Nov. 1928), New York, pp. 930, 932, ill.
- The Fairchild combination pontoon and ski. *Aviation*, Vol. 24, No. 9 (Feb. 27, 1928), New York, pp. 516-517, ill.
- The Fairchild Ski-float. *Aero Digest*, Vol. 12, No. 2 (Feb. 1928), New York, p. 192, ill.
- Performance of Fairchild airplanes. *Aero Digest*, Vol. 13, No. 1 (July 1928), New York, p. 96.
- FAIRCHILD-CAMINEZ. Moteur Fairchild-Caminez à came. *La Nature*, No. 2781 (15 mars 1928), Paris, p. 281, ill.
- FAIRCHILD MANUFACTURING COMPANY. Flotteurs et skis combinés. *La Nature*, No. 2797 (15 nov. 1928), Paris, p. 471.
- FAIREY. Fairey airscrews and the Schneider trophy race. *The Aeroplane*, Vol. 34, No. 1 (Jan. 4, 1928), London, p. 16, ill.
- FAIRFIELD. *See* Harding, Wilbur T.: Flood-light test at Fairfield air depot, 1927.
- FAIRTHRONE, R. A. *See* Bradfield, F. B., and R. A. Fairthron: On a method of delaying the opening of an autoslot (wind-tunnel experiment).
- FALKNER, V. M. *See* Clarke, T. W. K., and V. M. Falkner: D. M. Smith's method for the determination of the transverse frequencies of vibration of uniform beams.
- FALUDI, EUGENIO. Il problema degli aeroporti civili. *IV Congresso Internazionale di Navigazione Aerea*, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 133-140, ill.
- FAR EAST. Aerial connections with the Far East. *Aéronautica*, Vol. 2, No. 11 (Nov. 1928), Amsterdam, pp. 217-218.
- Eastward Ho! Some comparative notes on the big flights to the East. *Flight*, Vol. 20, No. 1 (Jan. 5, 1928), London, p. 9.
- The Far East flight. *The Aeroplane*, Vol. 35, No. 5 (Aug. 1, 1928), London, pp. 264-270, ill.
- FARMAN. Appareil Farman F. 180. *La Nature*, No. 2796 (1er nov. 1928), Paris, p. 423, ill.

- FARMAN. Farman F-160.  
La Nature, No. 2780 (1er mars 1928), Paris, p. 231.
- L'avion de bombardement Farman F160, 1.000 cv.  
L'Aérophile, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, pp. 91-92, ills.
- Pompe Farman à engrenages.  
La Nature, No. 2778 (1er fév. 1928), Paris, p. 137, ill.
- See Reyneker, F. H.: Farman verkeersvliegtuig F. 180 met 2 Farman motoren van 500 PK. in tandem.
- FARMAN, HENRY. Premier vol en circuit fermé.  
La Nature, No. 2782 (1er avril 1928), Paris, p. 329.
- FARRAR, F. P. Peruvian aviator of the eighteenth century.  
Living Age, Vol. 334 (Jan. 15, 1928), New York, pp. 135-141.
- FATIGUE. See Younger, J. E.: Preliminary study of fatigue failures of metal propellers caused by engine impulses and vibrations.
- FAUROTE, F. L. Wright "Whirlwind" a high achievement in engineering.  
Iron Age, Vol. 121, No. 6 (Feb. 9, 1928), , pp. 394-397, ill.
- FEARN, E. J. On the balance and inertia torque of multicylinder engines.  
Journ. Roy. Aer. Soc., Vol. 32, No. 213 (Sept. 1928), London, pp. 799-806, ills.
- FEDDEN, A. H. R. Aero engine developments.  
The Aeroplane, Vol. 34, No. 15 (Apr. 11, 1928), London, pp. 524, 526.
- FELLOWS, P. A. Selecting the airport site.  
American City, Vol. 38 (May 1928), New York, pp. 103-104.
- FENNING, R. W. Closed vessel explosions of carbon monoxide, oxygen, and nitrogen mixtures.  
Aeronautics, Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 825-837, ills., diags., tabs.
- FENTON, G. B. A simple criterion of longitudinal stability.  
Aeronautical Engineering, suppl. to The Aeroplane, Vol. 34, No. 17 (Apr. 25, 1928), London pp. 591-596, diagr.
- FERRARI, CARLO. Esperienze con biplano costituito da un'ala comune e da un'elica autorotante.  
L'Aerotechnica, Vol. 8, N. 1 (Gen. 1928), (anno 6), Pisa, pp. 47-56, diags, tabl.
- Esperienze con elica autorotante.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 69-74, ills., diags., tabs.
- Esperienze sulla configurazione del flusso nella scia di un'elica autorotante.  
L'Aerotechnica, Vol. 8, N. 9 (Sett. 1928), Anno 6, Pisa, pp. 613-628, ills.
- Sul problema dell'elica con vento laterale.  
L'Aerotechnica, Vol. 8, N. 3 (Marzo 1928)—(Anno 6), Pisa, pp. 171-176, ill.
- FERRARIN DEL PRETE. Dal record di durata alla transvolata Italia-Brasile di Ferrarin e Del Prete con l' "S. 64."  
Rivista Aeronautica, Anno 4, N. 7 (Luglio 1928), Roma, pp. 41-61, ills.
- FERRY, GEORGES. Le sens musculaire chez l'aviateur. Nécessité de son intégrité absolue pour l'équilibration dans l'espace.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 533-538.
- FERRY, R. RUIZ. Ascension del comandante Molas en el "Hispania."  
Ibérica, Año 15, Núm. 747 (13 oct. 1928), Barcelona, p. 211.
- FETHERSTON, T. C. Welded aircraft.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 364, 366, ill.

- FIAT. The Fiat racing-type engine.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 372, diagr.
- Libretto d'istruzione per l'uso del motore Fiat A 20 (Ministero dell'aeronautica; direzione generale del genio aeronautico).  
Roma, Provved. gen. Stato, Libreria (stab. poligr. Amm. Stato), 1928, pp. 86.
- FIESELER, GERHARD. "Aerobatics."  
Flight, Vol. 20, No. 1 (Jan. 5, 1928), London, pp. 3-6, diagr.
- Gerhard Fieseler, het nieuwe kunstvlucht-phenomeen.  
Het Vliegveld, 12de Jaarg., No. 2 (Feb. 1928), Amsterdam, pp. 38-41, ills.
- FIFE, GEORGE BUCHANAN. Lindbergh, the Lone Eagle; his life and achievements; with a chapter on the navigation of the "Spirit of St. Louis," by Robert Schofield Wood.  
New York, A. L. Burt Co., 1928, pp. 284, ill.
- FIGDOR, K. Politics of the air.  
Living Age, Vol. 334 (Aug. 1928), New York, pp. 1206-1208.
- FILLETS. See Gough, Melvin N.: The effect of fillets between wings and fuselage on the drag and propulsive efficiency of an airplane.
- FILM lubrication. See Boswell, R. O.: The theory of film lubrication.
- FILMS. See Mendaille, Daniel: A propos de films d'aviation.
- FINANCE. Wildcat aviation stock.  
Literary Digest, Vol. 99 (Oct. 20, 1928), New York, pp. 86-87.
- FINLAND. The Finnish air display.  
Flight, Vol. 20, No. 12 (Mar. 22, 1928), London, pp. 188-190, ill.
- FIRE. See Gronow, W. Elsner V.: Zum problem feuersicherer Flughallen.
- FIRE insurance. See Parker, Willis: Reducing the cost of fire insurance.
- FITZMAURICE, JAMES C. See Koehl, Herman, James C. Fitzmaurice, and Guenther von Huenefeld: The three musketeers of the air. Their conquest of the Atlantic from east to west.
- FIXEL, ROWLAND W. Fixel's law of aviation.  
Detroit, Mich., Bar, 1928, pp. 420.
- FLACHSBART, O. Recent researches on the air resistance of spheres.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 475, August 1928, Washington, pp. 15, ill., diagrs.  
From *Physikalische Zeitschrift*, Volume 28, 1927.
- Theorie der Hubschraube.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 8 (28. April 1928), München und Berlin, pp. 177-183, ills.
- FLACK, MARTIN. The physiological effects of flying.  
Nature, Vol. 121, No. 3060 (June 23, 1928), London, pp. 986-988.  
Substance of two lectures delivered at the Royal Institution March 22 and 29.
- FLANDIN, M. P. E. Le statut du personnel navigant de l'aéronautique est adopté par la chambre des députés.  
L'Aérophile, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, pp. 71-72, port.
- FLEISCHFRESSER, SYNDIKUS. Aus der Praxis der Flugzeug-Versicherung.  
Flug-Woche, 10. Jahrg., Heft 4, 1928, Berlin, p. 121.
- Herstellungspreis beim Maschinenbau insbesondere Flugzeugbau.  
Flug-Woche, 10. Jahrg., Heft 11, 1928, Berlin, p. 357.
- FLETTNER. See Constantin: Le problème de la propulsion des navires par le vent. Les rotors Flettner et les turbines éoliennes.



- FLEURY, R. DE. Sur les pistons d'aluminium.  
C. R. Acad. Sci., T. 187, No. 23 (2 déc. 1928), Paris, pp. 1032-1034.
- FLOATS. See Herrmann, H., G. Kempf, and H. Kloess: Tank tests of twin seaplane floats.
- See Munro, Wm.: Factors in seaplane float design.
- See Richardson, Holden Chester: The reaction on a float bottom when making contact with water at high speeds.
- See Thompson, F. L.: Water-pressure distribution on a seaplane float.
- FLOCO. The Floco A-7-R engine.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 382, ill.
- See Engines: The Floco aviation engine.
- FLOOD lighting. See Harding, Wilbur T.: Flood-light test at Fairfield air depot, 1927.
- FLUIDS. See Prandtl, L.: Motion of fluids with very little viscosity.
- FLOW. See Zahm, Albert Francis: Theories of flow similitude.
- FLUID motion. See Fage, A.: The connection between lift and circulation for an inclined flat plate.
- See Fage, A.: The flow of air and of an inviscid fluid around an elliptic cylinder and an aerofoil of infinite span, especially in the region of the forward stagnation point.
- See Fage, A.: On the flow of air behind an inclined flat plate of infinite span.
- See Fage, A.: Some recent experiments on fluid motion.
- See Fage, A., and F. C. Johansen: The structure of vortex sheets.
- See Lamb, H.: A paradox in fluid motion.
- FLUIDS. See Wada, Koroku: On frictional resistance of fluid of small viscosity.
- FLYING boat. See Rennie, J. D.: The problem of the long-range flying boat.
- FLYING-boat hulls. See Seaplane floats.
- FLYING clubs. Flying club progress in 1927.  
Flight, Vol. 20, No. 2 (Jan. 12, 1928), London, pp. 22-23.
- FLYING machines. Real flying-machines.  
Literary Digest, Vol. 98 (July 14, 1928), New York, p. 21, ill.
- FOCKE, H. Gedanken zur "Ila."  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23 u. 24 (20. Dez. 1928), München und Berlin, pp. 545-547.
- FOCKE-WULF. Essai allemand: Le Focke-Wulf.  
La Nature, No. 2776 (1er jan. 1928), Paris, p. 45.
- Focke-Wulf.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 235-236, ill.
- Focke-Wulf A 17 commercial airplane "Möwe" (German).  
National Advisory Committee for Aeronautics, Aircraft Circulars No 66, Washington, February 1928, pp. 4, ill.
- Focke-Wulf Duck.  
Scient. Amer., Vol. 138 (Feb. 1928), New York, p. 161, ill.

- FOG.** Fog-flying and radio-beacons.  
Aeronautical Engineering suppl. to *The Aeroplane*, Vol. 35, No. 26 (Dec. 26, 1928), London pp. 1010-1014, ill., diagr.
- See Entwistle, F.: Fog.
- See Hammerstein, H.: Nebelflug.
- See Labouchère, René: Du vol dans le brouillard.
- FOKKER, A. H. C.** Single-engine versus multi-engine airplane.  
*Journ. Soc. Automotive Engineers*, vol. 22, No. 62 (Feb. 1928), New York, pp. 190-192.
- See Lademann, Robert W. E.: Zur Nacht- und Nebellandung.
- See Ocker, William C.: Why instruments seem to fail in fog.
- FOKKER.** Le bimoteur de transport Fokker F VIII.  
*L'Aérophile*, 36e année, Nos. 1-2 (1er-15 jan. 1928), Paris, p. 22, ill.
- The Fokker F-10.  
*Aviation*, Vol. 24, No. 19 (May 7, 1928), New York, pp. 1296-1297, 1323-1327, ill., diagr.
- The Fokker "F. 10" monoplane.  
*Flight*, Vol. 20, No. 50 (Dec. 13, 1928), London, pp. 1048-1049, ill., diagr.
- Fokker F-10 super-trimotor.  
*Aero Digest*, Vol. 12, No. 4 (April, 1928), New York, pp. 597-598, ill., diagr.
- Fokker Super-Universal.  
*Aero Digest*, Vol. 12, No. 4 (April 1928), New York, pp. 591-597, ill., diagrs; Vol. 13, No. 4 (Oct. 1928), pp. 740, 742, ill.
- The Fokker T. IV seaplane.  
*Flight*, Vol. 20, No. 4 (Jan. 26, 1928), London, pp. 49-50, ill., diagr.
- The Fokker "Trimotor F VII" commercial transport monoplane.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 76, Washington, June 1928, pp. 11, ill.
- The Fokker "Universal" commercial airplane.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 73, Washington, May 1928, pp. 10, ill.
- See H.: De huldiging van een beroemd landgenoot.
- FOKKER, A. H. C.** Single-engine versus multi-engine airplane.  
*Journ. Soc. Automotive Engineers*, Vol. 22, No. 2 (Feb. 1928), New York, pp. 190-192.
- FOLLAND, H. P.** High speed biplane vs. monoplane.  
*Aero Digest*, Vol. 12, No. 2 (Feb. 1928), New York, p. 186, diagr.
- FORD.** Production of Ford Trimotors.  
*Aero Digest*, Vol. 13, No. 2 (Aug. 1928), New York, pp. 252, 254, ill.
- Ford-Flugzeuge.  
*Zeitschr. Ver. deutsch. Ing.*, Bd. 72, Nr. 46 (17. Nov. 1928), Berlin, p. 1687.  
*Heat Treating and Forging* (Sept. 1928), p 1032.
- See Engines: The Ford engine.
- FORD, ARTHUR S.** Airport lighting.  
*Aviation*, Vol. 25, No. 15 (Oct. 6, 1928), New York, pp. 1094-1095, 1124-1128, ill.
- Marking our airports and airways.  
*Aviation*, Vol. 25, No. 20 (Nov. 10, 1928), New York, pp. 1482-1483, 1501-1504, ill.
- FORD, BACON, & DAVIS.** Report, with supplements, location of airport, Philadelphia, Pa., district, December 7, 1928.  
Philadelphia, New York, Ford, Bacon, & Davis, inc., engineers, 1928, pp. 66.

- FOREST fire patrol. Fire eagles.  
Literary Digest, Vol. 96 (Feb. 25, 1928), New York, p. 25, ill.
- FORLANINI, E. Il tema di superaviazione.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott., 1927, Vol. II, Roma, 1928, pp. 150-151.
- FORMATION. See Germany: Le formazioni nel combattimento aereo.
- FOURCADE, H. G. A new method of aerial surveying: Note on the determination of the verticals of a plate pair.  
Transactions of the Royal Society of South Africa, Vol. 17, 1928, pp. 21-22, ill.
- A new method of aerial surveying. The principal point and principal distance in photogrammetry.  
Nature, Vol. 121, No. 3036 (Jan. 7, 1928), London, p. 42.
- FOWLER, HARLAND D. The Fowler variable area wing.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 270, ill.  
Aviation, Vol. 25, No. 4 (July 21, 1928), New York, pp. 263, 285-286, ill.
- FOWLER, I. G. V. Repair of aero engines.  
Journ. Roy. Aer. Soc., Vol. 32, No. 215 (Nov. 1928), London, pp. 920-942.
- FRANCE. An air tour in France.  
Flight, Vol. 20, No. 24 (June 14, 1928), London, pp. 438-439, map.
- Les avions du 11e Salon.  
L'Aéronautique, 10me année, Nos. 109-110 (juin-juil. 1928), Paris, pp. 189-212, ill.
- Le budget de l'aéronautique.  
L'Aérophile, 36e année, Nos. 1-2 (1er-15 jan. 1928), Paris, pp. 3-6.
- French air development.  
The Aeroplane, Vol. 35, No. 15 (Oct. 10, 1928), London, p. 602.
- Lettre adressée à M. le président de la Commission des Finances, par M. le président du Conseil, ministre des finances, au sujet des modifications à apporter au projet de budget de l'exercice 1929 comme conséquence de la création du Ministère de l'air.  
Paris, 1928, pp. 124.
- Les nouveaux avions français exposés au Salon de Berlin.  
L'Aéronautique (L'Aérotechnique, 6e année, No. 70), 10me année, No. 113 (oct. 1928), Paris pp. 349-352, ill.
- Le XI<sup>me</sup> Salon aéronautique français.  
Aéronautica, Vol. 2, No. 6 (June 1928), Amsterdam, pp. 118-120, ill.
- 11e Tableau de l'aéronautique française. Avions et hydravions. École, sport et tourisme. Aviation marchande. Avions militaires monoplaces. Avions militaires biplaces et multiplaces. Hydravions militaires et avions navals.  
L'Aéronautique, 10me année, No. 106 (mars 1928), Paris, pp. 61-98, ill.
- Une opinion américaine sur l'aviation française.  
L'Aérophile, 36e année, Nos. 17-18 (1er-15 sept. 1928), Paris, p. 266.
- Répertoire commercial de l'industrie aéronautique française.  
L'Aéronautique, 10me année, Nos. 106, 109-110 (mars., juin-juil. 1928), Paris, pp. 1-44, 1-84, ill. Supplément.
- See Boucabeille: L'aviation civile en France.
- See Carlier, André: Le vol a voile en France et en Allemagne. Le dernier, meeting de Vauville.
- See Martinot-Lagarde, C.: La construction des moteurs d'aviation en France.



- FRANCE. *See* Naudin, Raoul: *Annuaire de l'aéronautique 1927.*
- *See* Oger, Marcel: *L'aéronautique française dispose cette année de 1.119.458.304 francs de crédits.*
- *See* Sardier, Gilbert: *La première réalisation du réseau française intérieur.*
- *See* Soreau, R.: *La politique de l'air française et l'organisation de notre aéronautique.*
- FRANCK, P. *Les perturbations causées par les circuits d'allumage des moteurs, dans les circuits de réception T. S. F. à bord des avions.*  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 193-206, ill.
- FRASER, CHELSEA CURTIS. *Heroes of the air.*  
New York, Thomas Y. Crowell Company, 1928, pp. xii, 533, ills.
- FRAZER, R. A. *An investigation on wing flutter.*  
*Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 468-489, ills., diags.*
- FRERI, PROSPERO. *Il salvataggio aereo.*  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma 1928, pp. 152-153, ill.
- FRIEL, E. C. *Design of trussed metal spars for single bay airplanes.*  
*Air Corps Information Circular, Vol. 7, No. 621 (Aug. 15, 1928), Washington, United States Government Printing Office, 1929, pp. 40, ills., tabs., diags.*
- FRIENDSHIP. *Traversée de l'Atlantique.*  
*La Nature, No. 2789 (15 juil. 1928), Paris, p. 89.*
- FRI TSCH. *Les patins anticapotants Fritsch.*  
*L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, pp. 137-138, ills.*
- FRI TSCH E, CARL B. *Comparative examination of airplane and airship.*  
*Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 235, 368, 370, charts.*
- FROCHOT. *L'aviation maritime.*  
*L'Aérophile, XIe Salon de l'aéronautique, 29 juin-15 juil. 1928, Paris, pp. 11-12, ill.*
- FRONTARD. *Profils de terrains cohérents à surface de glissement plane.*  
*C. R. Acad. Sci., T. 186, No. 24 (11 juin 1928), Paris, pp. 1597-1599.*
- FUCHS, JOHN. *Aero club of New Brunswick.*  
*Aviation, Vol. 24, No. 25 (June 18, 1928), New York, pp. 1769, 1787-1788.*
- FUCHS, O. P. *Die Grundlagen des Flugzeugbaues.*  
Berlin, Adler-Verlag, 1928, pp. 146, ills.
- FUCINI, MARIO. *Una discesa con paracadute.*  
*Rivista Aeronautica, Anno 4, N. 10 (Ott. 1928), Roma, pp. 51-58, ill.*
- FÜLCKINGER, O. *Die Schweiz aus der Vogelschau.*  
Zürich, E. Rentsch, pp. 172, ills.
- FUEL. *Gas fuel for the Count Zeppelin.*  
*Science n. s., Vol. 68, suppl. 10 (Oct. 19, 1928), Garrison, N. Y.*
- *Pratts' "Ethyl" petrol.*  
*Flight, Vol. 20, No. 2 (Jan. 12, 1928), London, p. 26.*
- *See* Corelli, R. M.: *Studio sopra alcuni saggi e determinazioni necessari al collaudo delle benzine "Aviazione."*
- *See* Duchêne, R.: *L'influence du plomb tétréthyle sur la déflagration des mélanges carburés gazeux.*
- *See* Dumanois, P.: *Aviation fuels. (With especial reference to "White Spirit.")*
- *See* Joachim, W. F., and Edward G. Beardsley: *The effects of fuel and cylinder gas densities on the characteristics of fuel sprays for oil engines.*

- FUEL. *See* Mokrzycki: Détermination des caractéristiques d'un avion en vol basée sur la consommation d'essence.
- *See* Tanaka, Yoshio, and Tsutomu Kuwata: On preparation of lead tetraethyl.
- FUELING. *See* Griffith, C. P.: Bowser fueling equipment for airports.
- FULAHN. Flying in the wilds. East Africa may yet lead the world in private flying.  
Airways, Vol. 4, No. 7 (March, 1928), London, pp. 237-239, ill.
- FURLOW, ALLEN JOHN. *See* United States Congress: Increase the efficiency of the air corps.
- FUSCO, EDMONDO. Statistica internazionale del traffico commerciale aereo.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma 1928, pp. 154-161, tabs.
- FUSELAGE. *See* Ofenstein, C. L.: The repair of damaged fuselage members.
- *See* Silgrist, F.: Some notes on metal fuselage construction.
- *See* Toussaint: Calcul de la résistance à l'avancement d'un fuselage d'avion muni d'un radiateur frontal.
- *See* Troller, Theodor: Influence of fuselage on propeller design.
- *See* Troller, Theodor: Zur Berücksichtigung des Rumpfes beim Luftschraubentwurf.
- *See* Wood, Donald H.: Drag of exposed fittings and surface irregularities on airplane fuselages.

## G

- G., S. The hazard of lightning in aviation.  
The Aeroplane, Vol. 35, No. 26 (Dec. 26, 1928), London, p. 1004.
- GABBI, UMBERTO. Un anziano in volo. Breve relazione di un autoesperimento.  
Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 60-66, ill.
- Un uomo anziano in volo.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 539-543.
- GABRIELLI, GIUSEPPE. Un metodo approssimato pel progetto delle eliche aeree.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 207-216, ill., diags.
- Sul comportamento della chiodatura tra lamiere in dural di piccolo spessore.  
L'Aerotechnica, Vol. 8, N. 11 (Nov. 1928), Anno 6, Pisa, pp. 896-913, diags., tabs.
- Sulla rigidezza a torsione di un' ala a sbalzo con sezioni costanti dei longaroni e delle centine.  
L'Aerotechnica, Vol. 8, N. 1 (Gen. 1928), (Anno 6), Pisa, pp. 3-46, ill., diags.
- GADD, A. G. *See* Lock, C. N. H., H. C. H. Townsend and A. G. Gadd: Wind tunnel experiments on a symmetrical aerofoil (Göttingen 429 Section).
- GAFFNEY, WILLIAM P. "King Cotton" in the air.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, p. 974, ill.  
Cotton for wing covering.
- GAGNOTTO, LUIGI. Catapulta per il lancio di idrovolanti.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 217-222, ill.

- GAGNOTTO, LUIGI. Impiego dell'esperanto nella aeronavigazione.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 162-164.
- GALEONE, CLAUDIO. La funzione uditiva in relazione al volo.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 544-564, ills.
- GALLI-BRIQUET. Il paracadute lancia-pacchi Galli-Briquet.  
Rivista Aeronautica, Anno 4, N. 3 (Marzo 1928), Roma, pp. 590-591, ill.
- GALLINA, VITALE. Variazioni di pressione e di temperatura a bordo degli aeroplani durante il volo.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 75-82.
- GALLIZIOLI, ANTONIO. La recluta di aviazione.  
1927, pp. 313, ills.
- GALLOTTI, ANTONIO. Alcune note sui primi impieghi dell'armata aerea.  
Rivista Aeronautica, Anno 4, N. 2 (Feb. 1928), Roma, pp. 221-238.
- GALLUS. *See* Photography: Un nouvel appareil de photorestitution.
- GAMBLE, C. F. SNOWDEN. The story of a North Sea air station.  
Oxford, The Oxford Univ. Press, 1928, pp. 446, ill.
- GAMMACK, T. H. Business in the air.  
Outlook, Vol. 150 (Nov. 14, 1928), New York, p. 1180.
- GARBER, PAUL EDWARD. Building and flying model aircraft.  
New York, The Ronald Press Company, 1928, pp. viii, 300.
- Handbook of the national aircraft collection exhibited in the United States National Museum under direction of the Smithsonian Institution.  
Washington,, Smithsonian Institution [1928], pp. 32.
- GARDNER, G. W. H. Report on the development of a hot-wire rate of descent meter.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 927-942, ills., diags.
- GARDNER, LESTER D. The development of civil aeronautics in America.  
Aëronautica, Vol. 2, No. 4 (April 1928), Amsterdam, pp. 54-56, map.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 165-275, maps.
- GARNER, H. M., and C. E. W. LOCKYER. The aerodynamics of a simple servo-rudder system.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 517-524, tabs.
- GARNER, H. M. The full scale determination of the lateral resistance derivatives of a Bristol fighter aeroplane. Part II.—The determination of the rate of turn derivatives.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 235-238.
- Full scale tests of a Bristol fighter with slot and aileron control operated by a differential link mechanism.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1927-28, Vol. 2, London, 1928, pp. 447-448, ill.
- Lateral stability with special reference to controlled motion.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 239-257, diags.
- *See* Jones, E. T., L. E. Caygill, R. G. Harris, and H. M. Garner: Lift and drag of the Bristol fighter with Fairey variable camber wings.
- GASES. *See* Chandler, Charles de Forest and W. S. Diehl: Balloon and airship gases.



- GASES. *See* Hydrogen: Un nouvel appareil producteur d'hydrogène.
- *See* Joachim, W. F., and Edward G. Beardsley: The effects of fuel and cylinder gas densities on the characteristics of fuel sprays for oil engines.
- *See* Stevens, F. W.: The gaseous explosives reaction. The effect of inert gases.
- GASSNER, ALFRED A. Amerika und das Handels-Flugzeug.  
Flug-Woche, 10. Jahrg., Heft 12, 1928, Berlin, pp. 370-371.
- GATES, S. B. An analysis of a rectangular monoplane with hinged tips.  
Aeronautical Research Committee, Reports and Memoranda No. 1175 (Ae. 339), Jan. 1928, London, 1928, pp. 10, diags.
- Longitudinal stability in aeroplanes.  
Nature, Vol. 121, No. 3059 (June 16, 1928), London, p. 965.
- A survey of longitudinal stability below the stall, with an abstract for designers' use.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1927-28, Vol. 2, London, 1928, pp. 484-510, diags.
- GATES, S. F. *See* Egerton, A., and S. F. Gates: Summary by the secretary (engine subcommittee) of a "Report on anti-knock investigations."
- GAUDEFROY, J. Technique et dessin des moteurs françaises.  
L'Aéronautique, 10me année, No. 110 (juil. 1928), Paris, pp. 246-264, ills.
- GAYLER, MARIE L. V. The undercooling of some aluminium alloys.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1927-28, Vol. 2, London, 1928, pp. 767-794, ills., diags., tabs.
- GAZIEL. Highroads of the air.  
Living Age, Vol. 335 (Oct. 1928), Boston, pp. 90-92, ill.
- GEDDES, ERIC. Can flying be made to pay? "No great country is starving civil aviation so much as is Great Britain."  
Airways, Vol. 4, No. 9 (May 1928), London, pp. 311-313, ill.
- GEERLIGS, BERT PRINSEN. Wat de amerikaansche luchtvaartmaatschappijen eisen een raadgeving aan hen, die vlieger willen worden.  
Het Vliegveld, 12de Jaarg., No. 5 (Mei 1928), Amsterdam, pp. 139-141, ill.
- GEISSE, J. H. Regarding engine oil temperatures.  
Aviation, Vol. 25, No. 18 (Oct. 27, 1928), New York, pp. 1326-1327, ill.
- Testing equipment for aircraft engines.  
Aviation, Vol. 25, No. 24 (Dec. 8, 1928), New York, pp. 1928, 1948-1952, ill.
- Twenty-five years of engine design.  
Aviation, Vol. 25, No. 23 (Dec. 1, 1928), New York, pp. 1720-1723, ill.
- GEMELLI, AGOSTINO. Osservazioni generali di psicotecnica sulla selezione dei piloti di aviazione.  
L'Aerotechnica, Vol. 8, N. 9 (Sett. 1928), Anno 6, Pisa, pp. 577-612.
- GEORGII, WALTER. Die meteorologischen Grundlagen des transatlantischen Luftverkehrs.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 99-106, tabs., map.
- GERMANY. Le formazioni nel combattimento aereo.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 519-529, ills.
- On German aereo engines and others.  
The Aeroplane, Vol. 35, No. 17 (Oct. 24, 1928), London, pp. 685-698, ill.
- On the German aereo show.  
The Aeroplane, Vol. 35, No. 16 (Oct. 17, 1928), London, pp. 629-662, ill.

- GERMANY. *See* Bruns, W.: International Society for the Exploration of the Polar Regions by airship.
- *See* Carlier, André: Le vol a voile en France et en Allemagne. Le dernier meeting de Vauville.
- *See* Commercial aviation: Avion commercial léger.
- *See* Hoepfner, Gerd v.: Der deutsche Luftverkehr im Jahre 1927.
- *See* Hoepfner, Gerd v.: Deutschlands Beteiligung am diesjährigen Pariser Salon.
- *See* Schubiger, Slaude: L'aviation allemande: L'hydravion géant Dornier-Super-Wal, quadrimoteur.
- *See* Seewald, F., H. Blenk, and F. Liebers: The 1926 German seaplane contest. Part I: Lessons taught, by F. Seewald; Part II: Method of rating, by H. Blenk and F. Liebers.
- *See* Wronsky, Martin: Deutscher Luftverkehr.
- GNOME-RHONE. Le moteur Gnome-Rhone "Titan" 240 cv.  
L'Aérophile, 36e année, Nos. 7-8 (1er-15 avril 1928), Paris, pp. 115-116, ills.
- GHOSH, SUDDHODAN. On plane strain and stress in rotating elliptic cylinders and disks.  
Bulletin of the Calcutta Mathematical Society, Vol. 19, No. 3, 1928, Calcutta, pp. 117-126.
- GIACOMELLI, RAFAELLE. La grande gara internazionale per il "velivolo sicuro" e la Fondazione Daniel Guggenheim per il progresso dell' aeronautica.  
L' Aeronautica, Vol. 8, N. 7 (Luglio 1928), Anno 6, Pisa, pp. 437-469, port.
- Les machines volantes de Léonard de Vinci et le vol a voile.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 230-236, ill.
- Technical data on the world's record duration flight.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, p. 450.
- GIACOMINI, AMEDEO. Sulla propaganda aeronautica nella scuola italiana.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 381-389.
- GIANI, EMILIO. La portata respiratoria massima misurata con la maschera di Pech durante i voli in aeroplano.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 565-567.
- GIANNINI, AMEDEO. La legislazione aeronautica italiana. Vol. IV, a cura di Amedeo Giannini.  
Roma, Usila, soc. an. edit. (R. Garroni), 1928, pp. 234.  
Biblioteca di diritto aeronautico, no. 8.
- Sulla revisione della Convenzione di Parigi per il regolamento della navigazione aerea.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 494-497.
- GIANT airplanes. *See* Offermann, E.: The cells of giant airplanes.
- *See* Römer, B. Von: Prospective development of giant airplanes.
- GILBERT-LODGE, J. G. Progress of civil aviation in Australia.  
Aviation, Vol. 24, No. 3 (Jan. 16, 1928), New York, p. 145, ill.

- GILMORE, WILLIAM E. Military aviation. A survey of the development of engineering materials for aviation uses, the air-cooled engine, and bombing equipment.  
Mech. Eng., Vol. 50, No. 11 (Nov. 1928), New York, pp. 839-845, ill.
- GIRAULT, M. Construction géométrique de profils d'ailes par représentation conforme d'un cercle.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 93-98, ills.
- Note sur les variations de pression en fonction des variations de vitesse dans un fluide doué de viscosité.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 99-105.
- GIUDICE, PIETRO. La disciplina fiscale nella navigazione aerea.  
Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 53-59.
- GIUDICI, DAVIDE. The tragedy of the Italia; with the rescuers to the red tent.  
London, E. Benn, Ltd., 1928, pp. viii, 215, ills., map.
- GIULIANI. A proposito dell'equivalenza tra apparecchi civili e militari.  
Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 67-69.
- GLAUERT, H., and C. N. H. LOCK. The accuracy of the vortex theory of airscrews in the light of recent experimental work and its application to airscrew design.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 339-354, diags.
- GLAUERT, H. A discussion of the law of variation of engine power with height.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 795-801.
- The effect of compressibility on the lift of an aerofoil.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 235-242, ill. diagr.  
Proceedings of the Royal Society of London, Vol. 118, No. A779 (March 1, 1928). London, pp. 113-119.  
Nature, Vol. 121, No. 3040 (Feb. 4, 1928), London, p. 193.
- The efficiency of an airscrew.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 328-338, diags., tabs.
- A general theory of the autogyro.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 553-593, ills., diags., tabs.
- Lift and torque of an autogyro on the ground.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 642-645, diags., tabs.
- A nondimensional form of the stability equations of an aeroplane.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 474-483.
- GLAUERT, H., and C. N. H. LOCK. On the advantages of an open jet type of wind tunnel for airscrew tests.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 318-327, ills., diags.
- GLAUERT, H. On the contraction of the slipstream of an airscrew.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 368-378, diags.
- On the vertical ascent of a helicopter.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 360-373, diags., tabs.
- Theoretical relationships for an aerofoil with hinged flap.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 222-234, tabs., diags.



- GLIDERS.** Motorless ships of the air.  
 Pop. Mech., Vol. 49 (June 1923), Chicago, pp. 888-893, ill.  
 Literary Digest, Vol. 97 (May 19, 1928), New York, p. 20.
- GLOSTER.** The Gloster IV.  
 Flight, Vol. 20, No. 9 (Mar. 1, 1928), London, pp. 129-134, ill., diag.
- The "Gloster IV" seaplane (British).  
 National Advisory Committee for Aeronautics, Aircraft Circulars No. 69, Washington, March, 1928, pp. 9, ill.
- The Gloster Goldfinch.  
 The Aeroplane, Vol. 35, No. 4 (July 25, 1928), London, p. 232, ill.  
 Flight, Vol. 20, No. 40 (Oct. 4, 1928), London, pp. 845-849, ill., diag.
- The Gloster "Goldfinch" (British). Single-seat fighter.  
 National Advisory Committee for Aeronautics, Aircraft Circulars No. 85, Washington, November 1928, pp. 8, ill.
- The Gloster "Goring."  
 Flight, Vol. 20, No. 21 (May 24, 1928), London, pp. 382-384, ill.
- The Gloster Goring seaplane.  
 The Aeroplane, Vol. 34, No. 20 (May 16, 1928), London, pp. 706, 703, ill.
- Technique de l'hydravion de course "Gloster IVb."  
 L'Aéronautique (L'Aérotechnique, 6me année, No. 62), 10me année, No. 105 (fév. 1928), Paris, pp. 40-41, ill.
- GLUES.** See Ofenstein, C. L.: About glue and gluing practice.
- See Truax, T. R.: Gluing practice at aircraft manufacturing plants and repair stations.
- See United States Forest Service: Manual for the inspection of aircraft wood and glue for the United States Navy, prepared by Forest Products Laboratory, Forest Service, Department of Agriculture.
- GOEBEL, ARTHUR, and HARRY J. TUCKER.** Coast to coast in 18 hrs. 58 min.  
 Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 428, 612, ill.
- GOETA, GIUSEPPE.** Progetto di massima di un laboratorio per lo sviluppo scientifico della Termo-Aerodinamica.  
 IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 106-116, ill.
- GOETZ, J. H.** Newer developments and tendencies in international law.  
 Annals, American Academy of Political and Social Science, Vol. 136 (Mar. 1928), Philadelphia, pp. 37-39.
- GOLDING, HARRY.** Wonder book of aircraft.  
 New York, Spon & Chamberlain, 1928, pp. 256, ill.
- GOODRICH, ERNEST PAYSON.** Airports as a factor in city planning.  
 National Municipal Review, Suppl., Vol. 17, No. 3 (March 1928), New York, pp. 181-194, ill.  
 New York, Nat. Municipal League, 1928, pp. 16, ill.
- GOODYEAR.** The Goodyear "Puritan."  
 Aviation, Vol. 25, No. 11 (Sept. 8, 1928), New York, pp. 813, 828-830, ill.  
 Flight, Vol. 20, No. 43 (Oct. 25, 1928), London, p. 942, ill.
- GORDON BENNETT.** Army wins Gordon Bennett balloon race.  
 Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 234, ill.
- The second Gordon Bennett trophy balloon race.  
 Aviation, Vol. 24, No. 15 (Apr. 9, 1928), New York, pp. 889, 900, ill.
- See Blanchet, Georges: La coupe Gordon-Bennett des ballons libres.
- GOSSLAU.** Siemens.  
 Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 265-269, ill.

- GOSSLAU, F. "Amphibien"-Flugzeuge mit Schwimm- und Fahr-Einrichtungen.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 5 (4. Feb. 1928), Berlin, pp. 157-159, ills.
- Flugmotoren. Entwicklung und stand.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 40 (6. Okt. 1928), Berlin, pp. 1417-1425, ills.
- Flugzeuge der elften Pariser Luftfahrt-Ausstellung.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 40 (6. Okt. 1928), Berlin, pp. 1409-1416, ills.
- Rechnerische und experimentelle Untersuchungen über Wärmebeherrschung und Leistungssteigerung in luftgekühlten Flugmotorenzylindern.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 19 u. 20 (7. Okt. 1928) München und Berlin, pp. 461-466, ills.
- Zweimotoriges Wasserflugzeug für Torpedo- und Bombenangriff von Fokker.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 26 (30 Juni 1928), Berlin, pp. 929-930.
- GOSLOW. Übungszweitzer und Schnellreise-Flugzeug von Albatros.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 27 (7. Juli 1928), Berlin, p. 962, ills.
- Zum Oceanflug des Junkers-Flugzeuges "Bremen."  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 17 (28. April 1928), Berlin, p. 575, ill.
- GOUARD, E., et G. HIERNAUX. Cours élémentaire de mécanique industrielle; à l'usage des écoles professionnelles et des écoles pratiques de commerce et d'industrie. Tome 1: Principes généraux, applications, exercices pratiques. Tome 3: Moteurs à explosion, automobile, aéronautique.  
Paris, Libr. Dunod, 1928, Tome 1, pp. 404; Tome 3, pp. iv, 248. (Troisième édition.)
- GOUGH, H. The behaviour of a single crystal of  $\alpha$ -iron subjected to alternating torsional stresses.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 733-766, ills., diags., tabs.
- GOUGH, H. J. Note on some fatigue and density tests made on aluminium aggregate.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 678-685, tabs.
- GOUGH, MELVIN N. The effect of fillets between wings and fuselage on the drag and propulsive efficiency of an airplane.  
National Advisory Committee for Aeronautics, Technical Notes No. 299, Washington, October 1928, pp. 4, ill., diags.
- GOVE, W. D. The variation in engine power with altitude determined from measurements in flight with a hub dynamometer.  
National Advisory Committee for Aeronautics, Report No. 295, Jan. 9, 1929, Washington, Government Printing Office, 1928, pp. 12, diags., tabs.
- "GRAF ZEPPELIN." The "Graf Zeppelin."  
The Aeroplane, Vol. 35, No. 20 (Nov. 14, 1928), London, p. 822, ill.  
Aviation, Vol. 25, No. 17 (Oct 20, 1928), New York, pp. 1261, 1275-1276, ill.  
Metallwirtschaft, 7. Jahrg., Heft 41 (12 Okt. 1928), Berlin, pp. 1119-1120, ills.  
Science n. s., Vol. 68, suppl. 12-14 (Oct. 26, 1928), Garrison, N. Y.
- Graf Zeppelin's Atlantic voyage.  
Flight, Vol. 20, No. 42 (Oct. 18, 1928), London, pp. 902-903, 928, ill.
- Graf Zeppelin's great flight across the Atlantic.  
Current History Magazine of N. Y. Times, Vol. 29 (Nov. 1928), New York, p. 298.
- Graf Zeppelin's return flight.  
Flight, Vol. 20, No. 44 (Nov. 1, 1928), London, p. 951, ill.
- See Abbott, E. H.: Graf Zeppelin.
- See Scherz, Walter: Das Luftschiff "Graf Zeppelin."
- GRAFFIGNY, HENRY DE. Traité théorique et pratique de navigation.  
Paris, a la librairie de l'Enseignement technique, Léon Eyrolles, éditeur, pp. 310.

- GRANET, ANDRÉ. La XIème Exposition Internationale de l'Aéronautique.  
Aéronautica, Vol. 2, No. 6 (June 1928), Amsterdam, pp. 105-106, ill.
- GRARD, C. Alliages légers et ultra-légers dans la zone thermique de travail du matériel d'aviation.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 237-247.
- GRASMÜCKE. See Krupp, G.: Das Leichtflugzeug Raab-Katzenstein RK 9 "Grasmücke."
- GRAVATT, LILA. Pioneers of the air.  
New York, Chicago, Metzger, Bush & Co., 1928, pp. 264, ills.
- GRAY, EZIO M. Il turismo aereo. Realizone al IV° congresso internazionale di navigazione aerea (Compagnia it. turismo; Ministero dell' aeronautica; aviazione civile e traffico aereo).  
Roma [tip.] Novissima [1928], pp. 14.
- GREAT BRITAIN. The air estimates, 1928-29.  
Flight, Vol. 20, No. 11 (Mar. 15, 1928), London, pp. 172-177.
- Air survey and Empire development.  
Nature, Vol. 122, No. 3086 (Dec. 28, 1928), London, pp. 949-950.
- Annual report of the Director of the Meteorological Office presented by the Meteorological Committee to the Air Council for the year ended 31st March 1928. The seventy-third year of the meteorological office.  
London, Printed and published by His Majesty's Stationery Office, 1928, pp. 46. M. O. 308.
- Annual Report of the Meteorological Committee to the Air Council for the year ended 31st March 1927. The seventy-second year of the meteorological office.  
London, Published by His Majesty's Stationery Office, 1927, pp. 75. Air ministry, M. O. 298.
- Aviation as a binder of Britain's world-wide empire.  
Literary Digest, Vol. 96 (Mar. 31, 1928), New York, p. 19.
- Baustoffe der englischen Luftschiffe.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 51 (22. Dez. 1928), Berlin, p. 1897.
- British aircraft and aero engines.  
Flight, Vol. 20, No. 27 (July 5, 1928), London, pp. 535-568, ill.
- Die englischen Luftschiffe R 100 und R 101.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 37 (15. Sept. 1928), Berlin, p. 1292.
- The medical examination of civilian aviators. 2d ed., January 1928.  
Air Ministry, pub. March, 1928.  
London, H. M. Stationery Office, 1928, pp. 50, ills., tabs., forms.
- Les progrès de l'aéronautique britannique.  
Le Génie Civil, T. 92, No. 16 (21 avril 1928), Paris, p. 392.
- Staatliche Unterstützung der englischen zivilen Luftfahrt.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 32 (11. Aug. 1928), Berlin, p. 1111.
- Subsidies to civil air transport services. Note by the Secretary of State for air on the principal provisions agreed to be embodied in a contract with Imperial Airways, limited, for a weekly service between England and India, combined with daily services on certain routes in Europe, in substitution of the Agreement of 15th May, 1924 (Cmd. 2010 of 1923), as amended by the Agreement of 18th Dec. 1925 (Cmd. 2574 of 1926), and of the Agreement of 28th October, 1926 (Cmd. 2758 of 1926).  
London, H. M. Stationery Office, 1928, pp. 3.



- GREAT BRITAIN.** A synopsis of British air effort during the war.  
*The Aeroplane*, Vol. 35, No. 19 (Nov. 7, 1928), London, pp. 766-782.
- *See* Aeronautical Research Committee: Report for the year 1927-28.
- *See* Crosthwait, H. L.: Air survey and Empire development.
- *See* Dollfus, Charles: Visite aux clubs anglais d'aviation légère.
- *See* Hodgson, J. E.: Historische Ausstellung der Royal Aeronautical Society of Great Britain.
- *See* Higgins, George J., W. S. Diehl, and George L. DeFoe: Tests on models of three British airplanes in the variable density wind tunnel.
- *See* Military aeronautics: British air manoeuvres.
- *See* R. 100: La recentissima aeronave inglese "R. 100."
- *See* Short: The Short "Calcutta." First British all-metal commercial seaplane.
- *See* Wimperis, H. E.: The progress of aeronautical research in Great Britain.
- GREEN, FITZHUGH.** Dick Byrd—air explorer; an intimate story of a great air explorer whose spectacular flights to the North and South Poles, across the Atlantic Ocean and other adventures have thrilled red-blooded men and boys the world over.  
 New York, London, G. P. Putnam's Sons, 1928, pp. viii, 267, ills.
- Flying in the future.  
*Century*, Vol. 116 (Oct. 1928), New York, pp. 665-673.
- *See* Lindbergh, Charles Augustus: "We," the famous flier's own story of his life and his transatlantic flight, together with his views on the future of aviation, with a foreword by Myron T. Herrick.
- GREY, CHARLES GREY, and LEONARD BRIDGMAN.** All the world's aircraft.  
 London, Sampson Low, Marston and Co., —, pp. 506, ills.
- GREY, CHARLES GREY.** On Afghanistan.  
*The Aeroplane*, Vol. 34, No. 17 (Apr. 25, 1928), London, pp. 581-584.
- On aircraft production and engineering.  
*The Aeroplane*, Vol. 35, No. 24 (Dec. 12, 1928), London, pp. 933-936, ill.
- On airships and things.  
*The Aeroplane*, Vol. 34, No. 8 (Feb. 22, 1928), London, pp. 221-222, 226.
- On airworthiness.  
*The Aeroplane*, Vol. 35, No. 23 (Dec. 5, 1928), London, pp. 905-910.
- On America and the world markets again.  
*The Aeroplane*, Vol. 34, No. 19 (May 9, 1928), London, pp. 653-656.
- On a North Sea air station.  
*The Aeroplane*, Vol. 35, Nos. 13-14 (Sept. 26-Oct. 3, 1928), London, pp. 521-522, 561-566, ill.
- On Atlantic flying again.  
*The Aeroplane*, Vol. 35, No. 11 (Sept. 12, 1928), London, pp. 445-446, ill.
- On aviation in the lowlands.  
*The Aeroplane*, Vol. 35, Nos. 9-10 (Aug. 29, Sept. 5, 1928), London, pp. 377-382, 413-416.
- On comfort and efficiency.  
*The Aeroplane*, Vol. 35, No. 3 (July 18, 1928), London, pp. 145-148.
- The dangers of radio-masts.  
*The Aeroplane*, Vol. 34, No. 25 (June 20, 1928), London, p. 864.

- GREY, CHARLES GREY. On flying-boats—the Far East—and Australia.  
The *Aeroplane*, Vol. 34, No. 10 (Mar. 7, 1928), London, pp. 313-318.
- On flying clubs.  
The *Aeroplane*, Vol. 35, No. 8 (Aug. 22, 1928), London, pp. 341-342.
- On foreign trade and aero shows.  
The *Aeroplane*, Vol. 34, No. 24 (June 13, 1928), London, pp. 829-832.
- On further considerations of the next war.  
The *Aeroplane*, Vol. 34, Nos. 20, 21, 23 (May 16, 23, June 6, 1928), London, pp. 689-692, 721-722, 793-798.
- On getting and keeping foreign trade.  
The *Aeroplane*, Vol. 34, Nos. 4-5 (Jan. 25-Feb. 1, 1928), London, pp. 89-92, 125-128.
- On Imperial airways.  
The *Aeroplane*, Vol. 35, No. 12 (Sept. 19, 1928), London, pp. 485-488.
- On information for pilots.  
The *Aeroplane*, Vol. 35, No. 11 (Sept. 12, 1928), London, pp. 474, 476.
- On light aeroplanes.  
The *Aeroplane*, Vol. 34, No. 15 (Apr. 11, 1928), London, pp. 517-522, ill.
- On 1928.  
The *Aeroplane*, Vol. 35, No. 26 (Dec. 26, 1928), London, pp. 997-1002.
- The original Wright biplane.  
The *Aeroplane*, Vol. 34, No. 6 (Feb. 8, 1928), London, p. 162.
- On power-plant problems.  
The *Aeroplane*, Vol. 34, No. 9 (Feb. 29, 1928), London, pp. 261-268.
- On producing commercial aircraft.  
The *Aeroplane*, Vol. 34, No. 26 (June 27, 1928), London, pp. 897-899.
- On research.  
The *Aeroplane*, Vol. 35, Nos. 21-22 (Nov. 21-28, 1928), London, pp. 837-840, 869-872.
- On the air estimates, 1928-29.  
The *Aeroplane*, Vol. 34, No. 11 (Mar. 14, 1928), London, pp. 345-354.
- On the automobile association and aviation.  
The *Aeroplane*, Vol. 35, No. 15 (Oct. 10, 1928), London, pp. 593-600, ill.
- On the development of flying-boats.  
The *Aeroplane*, Vol. 34, No. 3 (Jan. 18, 1928), London, pp. 57-60.
- On the future of flying—service and civil.  
The *Aeroplane*, Vol. 34, Nos. 1-2 (Jan. 4-11, 1928), London, pp. 1-4, 29-32.
- On the King's cup race.  
The *Aeroplane*, Vol. 35, No. 4 (July 25, 1928), London, pp. 181-202.
- On the Paris aero show, and things.  
The *Aeroplane*, Vol. 35, No. 2 (July 11, 1928), London, pp. 81-86, ill.
- On the R. A. F. pageant.  
The *Aeroplane*, Vol. 35, No. 1 (July 4, 1928), London, pp. 1-17, ill.
- On the safety of the middle course.  
The *Aeroplane*, Vol. 34, Nos. 6-7 (Feb. 8-15, 1928), London, pp. 157-160, 185-188, ill.
- On this slot business.  
The *Aeroplane*, Vol. 35, No. 20 (Nov. 14, 1928), London, pp. 805-810.
- On the tenth birthday of the R. A. F.  
The *Aeroplane*, Vol. 34, No. 14 (Apr. 4, 1928), London, pp. 459-468, ill.
- On the trans-Atlantic flight.  
The *Aeroplane*, Vol. 34, No. 16 (Apr. 18, 1928), London, pp. 545-546, ill.  
The "Bremen" flight.

- GREY, CHARLES GREY. On twenty-five years of flying.  
The Aeroplane, Vol. 35, No. 25 (Dec. 19, 1928), London, pp. 965-968
- On useful and useless flying.  
The Aeroplane, Vol. 35, No. 5 (Aug. 1, 1928), London, pp. 245-248, ill.
- On what the world's market wants.  
The Aeroplane, Vol. 34, No. 25 (June 20, 1928), London, pp. 861-864.
- Promotion in the R. A. F.  
The Aeroplane, Vol. 34, No. 10 (Mar. 7, 1928), London, p. 318.
- That first flying machine again.  
The Aeroplane, Vol. 34, No. 9 (Feb. 29, 1928), London, pp. 263, 270.
- GRIFFITH, A. A. Stresses in a plate bounded by a hyperbolic cylinder.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 668-677.
- The theory of pressure capsules. Part I.—General discussion. Part II.—  
The complete flat disc without control spring.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 913-926,  
diags.
- GRIFFITH, C. P. Bowser fueling equipment for airports.  
Aviation, Vol. 24, No. 23 (June 4, 1928), New York, pp. 1598, 1626-1627, ill.
- GROGAN, J. D. Report on the "burning" of aluminium.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 768-779, ills.
- See Archbutt, S. L., and J. D. Grogan: Report on the accelerated aging  
of "Y" alloy.
- GRONOW, W. ELSNER V. Zum Problem feuersicherer Flughallen.  
Fluz-Woche, 10. Jahrg., Heft 11, 1928, Berlin, 361-362.
- GROSE, P. C. For testing airplane models.  
Industrial Education Magazine, Vol. 30 (Dec. 1928), Peoria, Ill., p. 217, ill.
- GROSSE. Wetterkunde.  
Berlin, Verlag von Georg Stilke, 1928, pp. 299, ills.
- GROUARD, A. De la résistance de l'air au mouvement des projectiles.  
Paris, Berger-Levrault, 1928, pp. 92, ill.
- GROUND engineer. See Engineer: Air or ground engineer.
- GROUND transport. See Allen, R. E. H.: Ground transport for an air organi-  
zation.
- GRUSON, F. Cronique d'aviation. Le concours de Vauville. L'accident du  
Couzinet. La tentative transatlantique de Courtney.  
La Nature, No. 2793 (15 sept. 1928), Paris, pp. 276-279, ill.
- GRUTTER, FRANCESCO. Spirito ed essenza della propaganda aeronautica.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma,  
1928, pp. 390-405.
- "GUARDIAN." The Consolidated-Sikorsky "Guardian" twin-engined night  
bomber.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, pp. 50-52, ill.
- GUBERNATIS, E. FERRERO DE. Note sulle linee di idroaviazione italiane.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma,  
1928, pp. 141-149.
- GÜNTHER, HANNES, and PAUL HIRSCH. Der praktische Modellflieger.  
Stuttgart, Franckh'sche Verlagshandlung.
- GUGGENHEIM. See Byers, Horace R.: The Guggenheim airway meteorological  
service.



- GUGGENHEIM. *See* Daniel Guggenheim Fund.
- GUGGENHEIM, HARRY F. *See* Giacomelli, R.: La grande gara internazionale per il "velivolo sicuro" e la Fondazione Daniel Guggenheim per il progresso dell'aeronautica.
- GUGGENHEIM fund. Report of the Daniel Guggenheim Fund for the promotion of aeronautics 1926 and 1927.
- GUGGENHEIM SAFETY COMPETITION. *See* Klemin, Alexander: Notes on the Guggenheim safety competition.
- GUGLIELMETTI, ALDO, ed TRIPODI ANTONINO. Confronto fra apparecchi italiani e stranieri.  
Ministero dell'Aeronautica, Notiziario Tecnico di Aeronautica, Anno 6, N. 7 (Luglio 1928). Roma, pp. 1-23, diags., tabs.
- GUGLIELMETTI, ALDO, ed A. R. TRIPODI. Di una serie di ricerche e di esperienze sui paracadute.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 248-267, ills., diags., tabs.
- GUGLIELMETTI, ALDO, ed A. R. TRIPODI. Diagrammi dinamometrici dello spiegamento dei paracadute.  
Ministero dell'Aeronautica, Notiziario Tecnico di Aeronautica, Anno 6, N. 5 (Mag. 1928), Roma, pp. 15-22, diags.
- GUIDONI, ALESSANDRO. Medaglia d'oro aeronautica Alessandro Guidoni.  
Rivista Aeronautica, Anno 4, N. 5 (Mag. 1928), Roma, pp. ix-xiv, ill.
- Obituary. General Alessandro Guidoni.  
Journ. Roy. Aer. Soc., Vol. 32, No. 209 (May 1928), London, pp. 340-341.
- Seaplanes. Fifteen years of naval aviation.  
Journ. Roy. Aer. Soc., Vol. 32, No. 205 (Jan. 1928), London, pp. 25-64, ills.
- *See* Baldo, Italo: Guidoni, del Prete, Penzo.
- GUILONARD, P. De moderne vliegtuig-motor en mogelijkheden voor verdere ontwikkeling.  
Het Vliegveld, 12de Jaarg., No. 9, 10 (Sept.-Oct. 1928), Amsterdam, pp. 250-254, 292-297, ills.
- GUSMAO, BARTHOLOMEU LOURENÇO. *See* Hydravion: Bartholomeu Lourenço de Gusmao.
- GUSTOSA, CORRADO. Che cosa occorre per facilitare lo sviluppo degli idrovolanti plurimotori: 1° maggiore numero di idroscali; 2° conche o bacini; 3° *redans* con assali e mozzi "Standard."  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 268-279, ill.
- Considerazioni sull'armamento dei grandi velivoli metallici.  
Rivista Aeronautica, Anno 4, N. 5 (Mag. 1928), Roma, pp. 306-338, ills., tabs.
- Il controllo delle costruzioni metalliche di aviazione.  
Ministero dell'Aeronautica, Notiziario Tecnico di Aeronautica, Anno 6, N. 12 (Dic. 1928), Roma, pp. 1-24, ills.
- L' idrovolante quadrimotore "Dornier Superwal."  
Rivista Aeronautica, Anno 4, N. 9 (Sett. 1928), Roma, pp. 542-581, ills.
- Prove statiche di longheroni alari metallici.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 504-513, ills.
- GWINN, J. M., jr. Performance calculation and slipstream effect.  
Aviation, Vol. 25, No. 6 (Aug. 4, 1928), New York, pp. 405, 432, 434.
- GYMNICH, ALFRIED. Flugunfälle, Sachverständigenurteile und Presse.  
Flug-Woche, 10. Jahrg., Heft 4, 1928, Berlin, pp. 102-103.

- GYMNICH, ALFRIED. Minimalgeschwindigkeit und Flugsicherheit.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 5 (14. März 1928), München und Berlin, pp. 97-100, ills.
- Warum Luftverkehr?  
Flug-Woche, 10. Jahrg., Heft 3, 1928, Berlin, pp. 72-73, ills.
- Wolken- und Nebelflüge.  
Der Luftweg, Heft 7, Jahrg. 1928, (10. April 1928), Berlin-München, pp. 66-67.
- GYOPTERS. *See* Chappedelaine: Une nouvelle machine volante: Le gyoptère Chappedelaine.
- GYRORECTOR. Gyrorector.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, p. 273.

## H

- H. De huldiging van een beroemd landgenoot.  
Het Vliegveld, 12de Jaarg., No. 2 (Feb. 1928), Amsterdam, pp. 44-46, ills.
- De "Southern Cross" over den Grooten Oceaen.  
Het Vliegveld, 12de Jaarg., No. 6 (Juni 1928), Amsterdam, pp. 159-161, port.
- HACHMACK, HANS. *See* Baeumker, A.: Dem Gedächtnis von Hans Hachmack.
- HAERECHE, F. Luftpost- und Luftfrachtverkehr.  
Aéronautica, Vol. 2, No. 4 (April 1928), Amsterdam, pp. 61-64.
- HAGERMAN, A. Q. Last word in transportation.  
Overland Monthly, n. s., Vol. 86 (July 1928), San Francisco, p. 249, ill.
- HALL, C. W. Methods of building metal airplane structures.  
Journ. Soc. Automotive Engineers, Vol. 22, No. 4 (April 1928), New York, pp. 426-430, ill.
- HALL, HAROLD. The Hall engine.  
Aviation, Vol. 24, No. 14 (Apr. 2, 1928), New York, p. 834-835, 846-847, ill.
- HALL, NORMAN SHANNON. The balloon buster, Frank Luke of Arizona.  
Garden City, N. Y., Doubleday, Doran & Company, inc., 1928, pp. 191, ills.
- HALL, S. SCOTT. Lateral stability at low speed: Part I. Measurement of rolling moments for three wings at low rates of roll. Part II. Pressure measurements on a wing whilst rotating at low speeds.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 258-270, ills., diags., tabs.
- HALLETT. Hallett 130 horsepower engine.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, p. 94, ill.
- *See* McReynolds, Charles F.: The Hallett aircraft engine.
- HALLIDAY, A. S. *See* Batson, A. S., A. S. Halliday, and A. L. Maidens: The distribution of pressure over a monoplane and a biplane with wings of unequal chord and equal span.
- *See* Batson, A. S., D. H. Williams, and A. S. Halliday: Part I. Rolling and yawing moments due to rolling and to ailerons, by A. S. Batson; with an appendix on lift and drag measurements by D. H. Williams and A. S. Halliday.
- HALPIN. The Halpin "Flamingo."  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, pp. 800, 802, ill.  
Aviation, Vol. 24, No. 18 (Apr. 30, 1928), New York, pp. 1211, 1241-1244, ill.
- HALTON. Halton Pageant.  
Flight, Vol. 20, No. 31 (Aug. 2, 1928), London, pp. 666-668, ill.

- HAMBURG, MERRILL.** Beginning to fly; the book of model airplanes, with an introduction by Commander Richard E. Byrd.  
Boston and New York, Houghton Mifflin Company, 1928, pp. xiv, 197, ills., diags.
- HAMILTON.** The Hamilton metalplane.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, p. 82, ill.
- HAMMERSTEIN, H.** Nebelflug.  
Der Luftweg, Heft 18, Jahrg. 1928 (25. Sept. 1928), Berlin und München, p. 197.
- HAMPSHIRE.** Hampshire air pageant.  
Flight, Vol. 20, No. 22 (May 31, 1928), London, pp. 398-404, ill.
- On the Hampshire air pageant.  
The Aeroplane, Vol. 34, No. 22 (May 30, 1928), London, pp. 757-765, ill.
- HANDASYDE, G. H.** Cleanness and speed.  
The Aeroplane, Vol. 35, No. 4 (July 25, 1928), London, pp. 225, 228.
- HANDICAPS.** Speed formulæ for handicapping.  
Flight, Vol. 20, No. 3 (Jan. 19, 1928), London, pp. 36-38.
- HANDLEY PAGE.** Fool-proof plane; aileron with the Handley Page slot.  
Scient. Amer., Vol. 138 (June 1928), New York, p. 547.
- The Handley Page "Harrow" Mark II.  
Flight, Vol. 20, No. 3 (Jan. 19, 1928), London, pp. 34-35, ill.
- Tests on Handley Page aerofoil A. 1 and R. A. F. 31.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 83-113, diags., tabs.
- See Lunde, Otto H.: The Handley-Page automatic slot.
- See Moes, M. C.: De automatisch werkende Handley Page spleetvleugel.
- See Moth: Nouvelle application de l'aile à fente.
- See Sbernadori, Paolo: Le ali a fenditura automatica Handley Page.
- See Wings: L'aile à fente et la sécurité de l'avion.
- HANDLEY PAGE, FREDERICK.** Forestalling the stall. A description of the auto-slot compiled from details given in an interview with F. Handley Page.  
Airways, Vol. 4, No. 5 (Jan. 1928), London, pp. 162-163, ills.
- Mr. Handley Page's Wilbur Wright Memorial lecture.  
The Aeroplane, Vol. 34, No. 23 (June 6, 1928), London, pp. 812-814.
- Wilbur Wright Memorial lecture.  
Flight, Vol. 20, No. 23 (June 7, 1928), London, pp. 427-428, diag.  
The Handley Page slot.
- HANGARS.** Airship hangars.  
Scient. Amer., Vol. 139 (July 1928), New York, p. 68.
- Nouveau procédé de construction des hangars d'aviation  
L'Aéronautique, 10me année, No. 104 (jan. 1928), Paris, p. 22, ills.
- HANRIOT.** L'avion "estafette" Hanriot H-46 "Styx."  
L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, pp. 112-114, ills.
- Avion Hanriot H. 46.  
La Nature, No. 2797 (15 nov. 1928), Paris, p. 470.
- HANSHUE, HARRIS M.** Air transportation on a paying basis.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 415, 416, ill.
- HARDING, WILBUR T.** Flood-light test at Fairfield air depot, 1927.  
Air Corps Information Circular, Vol. 7, No. 623 Aug. 15, 1928), Washington, United States Government Printing Office, 1928, pp. 18, ills.



- HARDY, J. K., and A. S. HARTSHORN. Full scale and model measurements of lift and drag of a Bristol fighter fitted with R. A. F. 34 wings.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 382-390, diags., tabs.
- HARDY, J. K. Full scale measurements of lift and drag of the Fokker F. VII-3M. Monoplane.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 391-394, ills., diags., tabs.
- Full scale tests of a suspended air log.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 392-395, ill., diags.
- HARDY, RUSSELL F. Static test on the Matériel Division 32 by 6 disk wheels.  
Air Corps Information Circular, Vol. 7, No. 614 (March 15, 1928), Washington, Government Printing Office, 1928, pp. 2, ill.
- HARMAN, G. C. Permanent airport on transcontinental air mail route furthered by Chamber of Commerce, Toledo, O.  
American City, Vol. 39 (July 1928), New York, p. 143, ill.
- HARPER, HARRY. The personality of a great pioneer. Aviation owes much to men like the Hon. C. S. Rolls, who gave his life in its cause.  
Airways, Vol. 4, No. 6 (Feb. 1928), London, pp. 217-218, ill.
- HARRIS, R. G. *See* Jones, E. T., L. E. Caygill, R. G. Harris, and H. M. Garner: Lift and drag of the Bristol fighter with Fairey variable camber wings.
- *See* Woodward, Nutt, A. E., R. G. Harris, and L. E. Caygill: Full scale and model measurements of lift and drag of Bristol fighter with R. A. F. 30 wings.
- HARRIS, THOMAS A. *See* Wenzinger, Carl J., and Thomas A. Harris: Wind tunnel force tests in wing systems through large angles of attack.
- HARTSHORN, A. S. The characteristics of certain aerofoil sections for infinite aspect ratio.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 189-197, ills., diags., tabs.
- Further wind-tunnel tests of a slot and aileron control on a wing of R. A. F. 31 section.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 433-446, ills., diags., tabs.
- Wind-tunnel tests on aerofoil R. A. F. 34 at negative incidences.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 161-164, diags., tabs.
- *See* Bradfield, F. P., and A. S. Hartshorn: Model tests of a combined slot and aileron control on a wing of R. A. F. 15 section. Push forward type of auxiliary.
- *See* Hardy, J. K., and A. S. Hartshorn: Full scale and model measurements of lift and drag of a Bristol fighter fitted with R. A. F. 34 wings.
- *See* Jones, E. T., and Hartshorn: Full scale and model measurements of the lift and drag of the Bristol fighter with M. 2 section wings.
- HANS, FR. Considérations sur les métaux légers.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 280-302, ills., tabs.
- L'influence de la stabilité statique longitudinale sur la trajectoire des avions.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 303-322, ill.

- HAUSEN, J. Werkstoffe der Flugtechnik auf der Werkstofftagung 1927.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 1 (14. Jan. 1928), München und Berlin,  
pp. 9-12, ills.
- HAVANA. See International American Conference: Conventions on public  
international law adopted by the Sixth International American Conference,  
held at Habana, January 16-February 20, 1928.
- HAVILL, CLINTON H. Development of aircraft propellers.  
Aviation, Vol. 25, No. 16 (Oct. 13, 1928), New York, pp. 1190, 1206-1208, ill.
- Helium tables.  
National Advisory Committee for Aeronautics, Technical Notes No. 276, Washington,  
January 1928, pp. 2, tables.
- HAVILLAND. Ailerons différentiels de Havilland.  
La Nature, No. 2776 (1er jan. 1928), Paris, p. 45.
- HAYNES, GRISSOM E. American aircraft products and foreign markets.  
Aviation, Vol. 24, No. 1 (Jan. 2, 1928), New York, pp. 44, 46.
- Inter-American air lines.  
Aviation, Vol. 24, No. 9 (Feb. 27, 1928), New York, pp. 510-511.
- HEATH. Heath "Baby Bullett" light racer.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, p. 940, ill.
- HEATH, LADY. Cape Town-England flight. Lady Heath's return.  
Flight, Vol. 20, No. 21 (May 24, 1928), London, pp. 385-386, ill.
- Flying across Africa.  
Living Age, Vol. 334 (Aug. 1928), New York, pp. 1210-1212.
- My seaplane record.  
Flight, Vol. 20, No. 29 (July 19, 1928), London, p. 615.
- A west of Ireland tour.  
Flight, Vol. 20, No. 42 (Oct. 18, 1928), London, pp. 923-924, ill.
- HÉBRARD, L. See Duval, A.-B., et L. Hebrard: *Traité pratique de navigation  
aérienne*.
- HEGENER, HENRI. Belangrijke data uit het leven der Gebroeders Wright.  
Het Vliegveld, 12de Jaarg., No. 12 (Dec. 1928), Amsterdam, pp. 369-371.
- Hoe het Amerikaansche leger aan zijn eerste vliegtuig kwam.  
Het Vliegveld, 12de Jaarg., No. 12 (Dec. 1928), Amsterdam, pp. 363-366, ill.
- HEIM, A. L. Special propeller protractor.  
National Advisory Committee for Aeronautics, Technical Notes No. 272, Washington,  
January 1928, pp. 6, ill.
- HEINKEL. Heinkel.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 236-240, ills.
- HEINKEL. The Heinkel H. D. 40.  
Aviation, Vol. 24, No. 12 (Mar. 19, 1928), New York, pp. 708, 720, ill.
- HEINKEL. Heinkel. The Heinkel type H. D. 40.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 368, ill., diagr.
- HEINTZ, R. M. Southern Cross flight a radio victory.  
Pop. Mech., Vol. 50 (Aug. 1928), Chicago, pp. 184-189, ill.
- HELBIG, D. Osservazioni circa i principali difetti riscontrati in pezzi metallici  
di aeroplani negli anni 1925-1926-1927.  
Roma, tip. del Senato di G. Bardi, 1927, pp. 22.
- HELDT, P. M. New Curtiss 12-cylinder "Chieftain" is largest air-cooled engine-  
Automotive Ind., Vol. 58, No. 20 (May 19, 1928), New York, pp. 767-769, ill.

- HELE-SHAW, H. S., and T. E. BEACHAM. The variable pitch airscrew, with a description of a new system of hydraulic control.  
 Engineering, Vol. 125, No. 3249 (Apr. 20, 1928), London, pp. 489-491, ill.  
 Automotive, Ind., Vol. 58, No. 19 (May 12, 1928), New York, p. 72.  
 Journ. Roy. Aer. Soc., Vol. 32, No. 211 (July 1928), London, pp. 525-554, ills., diags.
- HELE-SHAW-BEACHAM. The Hele-Shaw-Beacham variable pitch airscrew.  
 The Aeroplane, Vol. 34, No. 16 (Apr. 18, 1928), London, p. 562, diagr.
- HELICOPTERS. Un nuovo elicottero americano.  
 Rivista Aeronautica, Anno 4, N. 4 (Aprile 1928), Roma, pp. 162-163, ill.
- HELICOPTERS. See Glauert, H.: On the vertical ascent of a helicopter.
- HELIUM. Helium is available for commercial use.  
 Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 758.
- See Havill, Clinton H.: Helium tables.
- HERBERT, PERCY. Herbert air navigation course.  
 Portland, Oregon, 1928.
- HELMHOLTZ. See Burgers, J. M.: Note on research work by Helmholtz and Wien relating to the form of waves propagated along the surface of separation of two liquids.
- HÉMARDINQUER, P. La T. S. F. et les grands raids aériens.  
 La Nature, No. 2784 (1er mai 1928), Paris, pp. 423-424, ill.
- HENRICKSON, H. B. Record altitude flights.  
 Aero Digest, Vol. 12, No. 5 (May 1928), New York, pp. 748-750, 882-885, ill.
- HENNING, A. S. Airways binding Caribbean hold bright future.  
 Pan American Magazine, Vol. 41 (Mar. 1928), Panama City, pp. 65-66.
- HENRY, A. Flying doctors: Australian inland mission.  
 Survey, Vol. 61 (Oct. 1, 1928), New York, pp. 13-16, ill., map.
- HERLITZKA, AMEDEO. L'opera del medico per il progresso dell'aviazione.  
 IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 568-581.
- HERRERA, EMILIO. Un grave inconveniente dei *tunnels* aerodinamici aperti.  
 IV Congresso Internazionale Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 117-124, ills.
- Die Vorteile des gasförmigen Betriebsstoffes für Luftschiffe.  
 Flug-Woche, 10. Jahrg., Heft 3, 1928, Berlin, pp. 84-85, ills.
- HERRMANN, H., G. KEMPF, and H. KLOESS. Tank tests of twin seaplane floats.  
 National Advisory Committee for Aeronautics, Technical Memorandum No. 486, October 1928, Washington, pp. 35, ill., diags., tabs. From Luftfahrtforschung, January 3, 1928.
- HESS, V. F. The electrical conductivity of atmosphere and its causes.  
 London, Constable and Co., 1928, pp 204, ill.
- HESS, VITTORIO. La scoperta della radiazione cosmica penetrante (radiazione ultra-gamma) in occasione di ascensioni in pallone dell'Aero Club Austriaco nel 1911 e 1912 ed i suoi effetti.  
 IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 126-131.
- HICKS, CHESTER W., and CHARLES S. MOORE. The determination of several spray characteristics of a high-speed oil engine injection system with an oscilloscope.  
 National Advisory Committee for Aeronautics, Technical Notes No. 298, Washington, September 1928, pp. 11, ill.
- HICKS, CHESTER W. The measurement of maximum cylinder pressures.  
 National Advisory Committee for Aeronautics, Report No. 294, Dec. 18, 1928, Washington, Government Printing Office, 1928, pp. 11, ills., diags.



- HICKY, D. W. To an aviator.  
Forum, Vol. 79 (June 1928), New York, p. 867.
- HIERNAUX, G. See Gouard, E., et G. Hiernaux: Cours élémentaire de mécanique industrielle; à l'usage des écoles professionnelles et des écoles pratiques de commerce et d'industrie. Tome 1: Principes généraux, applications, exercices pratiques. Tome 3: Moteurs à explosion, automobile, aéronautique.
- HIGGINS, GEORGE JUDSON, W. S. DIEHL, and GEORGE L. DEFOE. Tests on models of three British airplanes in the variable density wind tunnel.  
National Advisory Committee for Aeronautics, Report No. 279, March 6, 1928, Washington, Government Printing Office, 1928, pp. 27, ill., diagrs., tabs.
- HIGGINS, GEORGE JUDSON. See Dronin, Paul V., Earl I. Ramsden, and George J. Higgins: The effect of tip shields on a horizontal tail surface.
- HILDESHEIM, ERIK. The All-American aircraft show at Detroit April 14-21.  
Flight, Vol. 20, No. 19 (May 10, 1928), London, pp. 320-323, ill.
- Some German war statistics.  
The Aeroplane, Vol. 35, No. 19 (Nov. 7, 1928), London, pp. 784, 786.
- HILL, G. T. R. Flying positions of control surfaces of Bristol fighter.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 229-234, ill., diagrs.
- HILL, R. M. Experiences on the Cairo-Baghdad air mail.  
Journ. Roy. Aer. Soc., Vol. 32, No. 209 (May 1928), London, pp. 385-410, ill.
- HILLMANN, W. Der Flugzeugbau Schütte-Lanz, nebst einem Beitrag zur Frage des transozeanischen Luftverkehrs.  
Berlin, Deutsche Verlagswerke Strauss, Vetter u. Co., 1928, pp. 64, ill.
- HINCKLER. Le raid d'Hinckler.  
La Nature, No. 2782 (1er avril 1928), Paris, p. 329.
- HINKLER, HERBERT JOHN LOUIS. L'admirable voyage de Bert Hinkler et sa signification pratique.  
L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, p. 111, ill.
- Bert Hinkler's record flight. 16 days England to Australia.  
Flight, Vol. 20, No. 8 (Feb. 23, 1928), London, pp. 121-122, ill., map.
- By "Avian" to the Antipodes.  
Flight, Vol. 20, No. 6 (Feb. 9, 1928), London, pp. 83-85, ill.
- Flying blindfold across Europe.  
Airways, Vol. 4, No. 5 (Jan. 1928), London, pp. 156-158, ill.
- Flying in an Avro-Avian biplane.  
Nature, Vol. 121, No. 3044 (March 3, 1928), London, p. 332.
- Hailing Bert Hinkler, the Australian Lindbergh.  
Literary Digest, Vol. 97 (Apr. 7, 1928), New York, pp. 54-61, map.
- Honouring Sqdr.-Ldr. "Bert" Hinkler.  
Flight, Vol. 20, No. 49 (Dec. 6, 1928), London, pp. 1042-1043, ill.
- Mr. Hinkler's triumph.  
The Aeroplane, Vol. 34, No. 9 (Feb. 29, 1928), London, pp. 274, 276, 295, ill.  
London to Australia in 16 days.
- My flight to Australia. Twelve thousand miles in a light aeroplane with a 30 h. p. engine.  
Airways, Vol. 4, No. 7 (March 1928), London, pp. 325-326, ill.
- The return of Squadron-Leader Herbert John Louis Hinkler, A. F. C., D. S. M., R. A. A. F.  
The Aeroplane, Vol. 35, No. 21 (Nov. 21, 1928), London, pp. 844, 846.

- HINKLER, HERBERT JOHN LOUIS. Royal Aero Club dinner to Sqdn-Ldr. "Bert" Hinkler.  
Flight, Vol. 20, No. 47 (Nov. 22, 1928), London, p. 1009.
- HIRSCH, PAUL. *See* Gunther, Hans, und Paul Hirsch: Der praktische Modellflieger.
- HIRSCHAUER, L., et CHARLES DOLLFUS. L'année aéronautique 1927-28. 9e année offert par le Société du Carburateur Zénith.  
Paris, Dunod Editeur, 1928, pp. 404.
- HIRSCHAUER, L. Le tour du monde de Costes et Le Brix.  
L'Aérophile, 36e année, Nos. 9-10 (1er-15 mai 1928), Paris, pp. 131-135, ill., map.
- HIRTH, WOLF. Mein Rekordflug an der französischen Küste.  
Der Luftweg, Heft 16, Jahrg. 1928, (25. Aug. 1928), Berlin-München, pp. 176-177.
- HISTORY. Twenty-five years of flying.  
Pop. Mech., Vol. 50 (Nov. 1928), Chicago, pp. 739-749, ill.
- Le 20e anniversaire du premier kilomètre en aéroplane monté.  
L'Aérophile, 36e année, Nos. 3-4 (1er-15 fév. 1928), Paris, pp. 35-38, ill.
- *See* Ader, Clement: Un precursore: Clement Ader.
- *See* Beaumont, Christopher: Pioneers of yesterday and to-day.
- *See* Bilancioni, Guglielmo: Svolgimento storico del concetto di "aria."
- *See* Bomb: Due idee e molte bombe.
- *See* Fraser, Chelsea Curtis: Heroes of the air.
- *See* Harper, Harry: The personality of a great pioneer. Aviation owes much to men like the Hon. C. S. Rolls, who gave his life in its cause.
- *See* Hodgson, J. E.: Historische Ausstellung der Royal Aeronautical Society of Great Britain.
- *See* Hodgson, J. E.: James Sadler, the first English aeronaut.
- *See* Holland, Rupert Sargent: Historic airships.
- *See* Hydravion: De baanbrekers der dynamische luchtvaart. XII. Jean-Marie le Bris.
- *See* Hydravion: De baanbrekers der dynamische luchtvaart. XIII. Gabriel en Charles Voisin.
- *See* Hydravion: De baanbrekers der dynamische luchtvaart. XIV. Octave Chanute.
- *See* Hydravion: De baanbrekers der dynamische luchtvaart. XV. Jacob Ellehammer.
- *See* Hydravion: De baanbrekers der dynamische luchtvaart. XVI. Victor Tatin.
- *See* Hydravion: Bartholomeu Lourenço de Gusmao.
- *See* Lademann, Robert W. E.: Die wissenschaftliche Bedeutung des Rückstossers.
- *See* Liedmann, Louis: Die historische Entwicklung der Luftfahrt.
- *See* Lobo d'Alvila Lima, J.: Contribution des Portugais au developpement de la navigation aérienne.
- *See* Marsh, W. Lockwood: The story of flight.

- HISTORY.** *See* Meteorology: Les conditions météorologiques des plus fameux vols transatlantiques.
- *See* Morelli, E.: Il museo storico dell'aeronautica.
- *See* P., C.: Al margini della storia. La prima scuola militare di aeronautica.
- *See* United States Congress: Civil aeronautics. Legislative history of the air commerce act of 1926 approved May 20, 1926, together with miscellaneous legal materials relating to civil air navigation.
- *See* Voisin, Gabriel: La naissance de l'aéroplane.
- HOARE, SAMUEL.** Aviation and the British Empire.  
Flight, Vol. 20, No. 44 (Nov. 1, 1928), London, p. 960.
- HODGSON, J. E.** Historische Ausstellung der Royal Aeronautical Society of Great Britain.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 19 u. 20 (7. Okt. 1928), München und Berlin, pp. 449-451.
- James Sadler, the "first English aeronaut."  
Journ. Roy. Aer. Soc., Vol. 32, No. 205 (Jan. 1928), London, p. 68.
- HOEPPNER, GERD VON.** Der Deutsche Luftverkehr im Jahre 1927.  
Aéronautica, Vol. 2, No. 1 (Jan. 1928), Amsterdam, pp. 6-8, ills.
- Deutschlands Beteiligung am dies jährigen Pariser Salon.  
Aéronautica, Vol. 2, No. 6 (June 1928), Amsterdam, pp. 115-118, ills.
- Die ILA 1928.  
Aéronautica, Vol. 2, No. 8 (Aug. 1928), Amsterdam, pp. 139-141, ills.
- Internationale Einflugbestimmungen.  
Der Luftweg, Heft 9, Jahrg. 1928 (10. Mai 1928), Berlin, München, pp. 88-90.
- Kunstflugwettbewerbe.  
Der Luftweg, Heft 7, Jahrg. 1928 (10. April 1928), Berlin, München, p. 62.
- Der Ozeanflug der "Bremen."  
Der Luftweg, Heft 8, Jahrg. 1928 (25. April 1928), Berlin, München, p. 75.
- Die 24. Tagung der F. A. I. in Brüssel.  
Der Luftweg, Heft 13, Jahrg. 1928 (10. Juli 1928), Berlin, München, pp. 143-144.
- HOFF.** Luftfahrt.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 23 (9. Juni 1928), Berlin, p. 807.
- HOFFMANN, FRIEDRICH.** Entwicklung eines Anschnallgurtes von einheitlichen Muster.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 14 (28. Juli 1928), München und Berlin, pp. 313-317, ills.
- HOLCOMBE, THEODORE G.** The Boston airport.  
Aviation, Vol. 25, No. 15 (Oct. 6, 1928), New York, pp. 1098, 1115, ill.
- HOLLAND.** Les grands projets hollandais.  
L'Aérophile, 36e année, Nos. 1-2 (1er-15 jan. 1928), Paris, pp. 7-8.
- HOLLAND, CECIL D.** Design stresses.  
Aircraft Engineer, suppl. to Flight, Vol. 20, Nos. 39, 43 (Sept. 27, Oct. 25, 1928), London, pp. 834d-834e, 936f-936g, chart.
- HOLLAND, RUPERT SARGENT.** Historic airships.  
Philadelphia, Macrae Smith Company [1928], pp. 343, ills.
- HOLLANDIA.** *See* Cannegieter, H. G.: Wetenschappelijke hoogtevaart met den balloon "Hollandia" op 18 Juli.



- HOLLYHOCK, W. S. A method of obtaining the volumes of irregular-shaped bodies.  
Aircraft Engineer, suppl. to Flight, Vol. 20, No. 17 (Apr. 26, 1928), London, pp. 268g-268h, diagr.
- HOLM, OTTO. Crank case scavenging of a two-stroke-cycle engine.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 446, January 1928, Washington, pp. 11, ill.  
From "Zeitschrift des Vereines deutscher Ingenieure," June 11, 1927.
- HOOVER, HERBERT. Civil aviation's rapid progress.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, pp. 509, 696-697, ill.
- HOPCRAFT, J. Alloy and stainless steels.  
Journ. Roy. Aer. Soc., Vol. 32, No. 205 (Jan. 1928), London, pp. 69-76.
- HORIZONTAL tail. See Diehl, Walter S.: Two practical methods for the calculation of the horizontal tail area necessary for a statically stable airplane.
- HORNBECK, NAN. Colors versus visibility.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 746, 748
- HORNET. The Pratt and Whitney "Hornet" engine.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, pp. 42-44, ill., diagr.
- HORNS. See Satô-Kôzi: Ensuigata-Rappa no onkyôgakutekino seis ni tuite.  
(On the acoustical properties of conical horns.)
- HOTCHKISS, HENRY GREENE. A treatise on aviation law, giving authorities with complete citations of federal and state decisions and including texts in full of the International Convention of 1919, the Havana Convention, Air commerce act of 1926, Air commerce regulations, Air commerce forms for pilots' licenses, etc., other federal statutes as relating to aviation, and state aviation statutes alphabetically arranged.  
New York, Baker, Voorhis & Co., 1928, pp. xviii, 492, ills., diagrs.
- HOTINE, M. The stereoscopic examination of air photographs.  
Professional Papers, Air Survey Committee, No. 4, The War Office, London, H. M. Stationery Office, 1927, pp. 84, ill., diagrs.
- HOUSFELDER, L. Versuche mit schnellaufenden Diesel-Motoren von Dornier. Luftspeicher-Diesel-Motor von Robert Bosch A-G.  
Der Motorwagen, 30 Jahrg., Heft 22 (10, Aug. 1927), Berlin, pp. 501-505, ill.  
The Bosch Aero Diesel engine.
- HOWARD, H. B., and K. T. SPENCER. An analysis of some causes of discrepancy between the calculated failing load of the structure of an aircraft and the load at which failure occurs on strength test.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1927-28, Vol. 2, London, 1928, pp. 904-912, ills., diagrs., tabs.
- HUBERT, BERNARD. See Bernard Hubert.
- HÜBNER, W. Technical progress shown in the 1927 Rhön soaring-flight contest.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 471, July 1928, Washington, pp. 10, ill.  
From Zeitschrift des Vereines deutscher Ingenieure, December 3, 1927.
- HUENEFELD, GUENTHER VON. See Koehl, Herman, James C. Fitzmaurice, and Guenther von Huenefeld: The three musketeers of the air. Their conquest of the Atlantic from east to west.
- HUETTER, O. Utilizzazione dei porti mercantili per la navigazione aerea civile.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, p. 276.
- HUGUENARD, E., A. MAGNAN et A. SAINTE-LAGUÉ. Sur une détermination expérimentale de la polaire d'un avion et d'un oiseau en vol.  
C. R. Acad. Sci., T 187, No. 14 (1er Oct. 1928), Paris, pp. 559-561, ill.

**HULLS.** *See* Seaplane floats.

— *See* Verdurand, Abel: A propos de l'exposition de Berlin. Les coques  
• d'hydravions de gros tonnage.

**HYDRAVION.** De baanbrekers der dynamische luchtvaart. XII. Jean-Marie  
le Bris.

Het Vliegveld, 12de Jaarg., No. 3 (Maart 1928), Amsterdam, pp. 79-80, ill.

— De baanbrekers der dynamische luchtvaart. XIII. Gabriel en Charles  
Voisin.

Het Vliegveld, 12de Jaarg., No. 4 (April 1928), Amsterdam, pp. 101-105, ill.

— De baanbrekers der dynamische luchtvaart. XIV. Octave Chanute.

Het Vliegveld, 12de Jaarg., No. 5 (Mei 1928), Amsterdam, pp. 124-127, ill.

— De baanbrekers der dynamische luchtvaart. XV. Jacob Ellehammer.

Het Vliegveld, 12de Jaarg., No. 6 (Juni 1928), Amsterdam, pp. 162-164, ill., port.

— De baanbrekers der dynamische luchtvaart. XVI. Victor Tatin.

Het Vliegveld, 12de Jaarg., No. 11 (Nov. 1928), Amsterdam, pp. 339-340, ill., port.

— Bartholomeu Laurengo de Gusmao.

Het Vliegveld, 12de Jaarg., No. 9 (Sept. 1928), Amsterdam, pp. 263-266, ill.

— Demonstratie met de autogiro.

Het Vliegveld, 12de Jaarg., No. 10 (Oct. 1928), Amsterdam, pp. 287-290, ill.

— Het Irving valscherp.

Het Vliegveld, 12de Jaarg., No. 3 (Maart 1928), Amsterdam, pp. 66-68, ill.

— De luchtpostdienst Frankrijk-Zuid Amerika.

Het Vliegveld, 12de Jaarg., No. 10 (Oct. 1928), Amsterdam, pp. 297-301, ill.

**HYDROCARBON-AIR mixtures.** *See* Nagai, Yûzaburô: Effect of anti-knock ma-  
terials on the speed of initial uniform movement of the flame in hydrocarbon-  
air mixtures.

**HYDRODYNAMICS.** *See* Bouasse, H.: Hydrodynamique générale. (Fluides par-  
faits et visqueux. Ailes d'avions.)

**HYDROGEN.** Un nouvel appareil producteur d'hydrogène.

L'Aéronautique, 10me année, No. 115 (dec. 1928), Paris, p. 431, ill.

**HYDRAULIC control.** *See* Hele-Shaw, H. S., and T. E. Beacham: The variable  
pitch airscrew, with a description of a new system of hydraulic control.

**HYLAND, LAWRENCE A.** Radio buyers' guide.

Aviation, Vol. 24, No. 3 (Jan. 16, 1928), New York, pp. 151-152.

— Radio direction finding.

Aviation, Vol. 24, No. 1 (Jan. 2, 1928), New York, pp. 30-33, diagr.

— True altitude meters.

Aviation, Vol. 25, No. 18 (Oct. 27, 1928), New York, pp. 1322-1323, 1356-1362, ill., diagr.

**ICE.** Het vraagstuk der bestrijding van ijsaanzetting bij vliegtuigen.

Het Vliegveld, 12de Jaarg., Nos. 9, 10 (Sept.-Oct. 1928), Amsterdam, pp. 246-248, 286-287,  
map.

— *See* Carroll, Thomas, and Wm. H. McAvoy: The formation of ice upon  
exposed parts of an airplane in flight.

— *See* Kopp, W.: Over het gevaar van ijsaanzetting bij vliegtuigen.

**IGNITION.** Principles of magneto ignition.

Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 54, diagr.

- IGNITION.** See Franck, P.: Les perturbations causées par les circuits d'allumage des moteurs, dans les circuits de reception T. S. F. à bord des avions.
- See Packer, A. H.: Airplane engine ignition.
- See Sass, F.: Ignition and combustion phenomena in Diesel engines.
- See Shoemaker, F. Glen: Recent development in aircraft ignition.
- See Tausz, J., and F. Schulte: Ignition points and combustion reactions in Diesel engines.
- See Taylor, H. B.: High-speed compression-ignition engine research.
- ILA.** See Focke, H.: Gedanken zur "Ila."
- See Hoepfner, Gerd von: Die Ila 1928.
- See Langsdorff, v.: Der Flugzeugbau auf der "Ila."
- See List, H.: Die Flugzeug-Instrumente und -Zubehörteile auf der "Ila."
- See Offermann, E.: Gedanken und Ideen zur "Ila" 1928.
- See Plienes, Wilhelm: Die Flugmotoren auf der "Ila"—Berlin.
- See Pochhammer, D. B.: Das Luftschiff auf der "Ila."
- See Schwager, Otto: Die Flugmotoren auf der "Ila."
- ÎLE-DE-FRANCE.** La catapulte de l' "Île-de-France."  
L'Aéronautique (L'Aérotechnique 6e année, No. 71), 10me année, No. 114 (nov. 1928), Paris, pp. 386-388, ill.
- Les essais d'hydravion postal sur l' "Île-de-France."  
La Nature, No. 2796 (1er nov. 1928), Paris, p. 424.
- ILLIES, H.** Chrom-Molybdänstahl für den Flugzeugbau.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 21 (14. Nov. 1928), München und Berlin, pp. 496-497.
- IMP.** See Parnall: The Parnall "Imp." A new British light airplane.
- IMPERIAL.** The Bird Wing "Imperial."  
Aviation, Vol. 24, No. 26 (June 25, 1928), New York, pp. 1842, 1860-1861, ill.
- INDIA.** Air routes of India.  
Flight, Vol. 20, No. 12 (Mar. 22, 1928), London, p. 194.
- Een aanvang maken met het Luchtverkeer naar Indië!!  
Het Vliegveld, 12de Jaarg., No. 1 (jan. 1928), Amsterdam, pp. 8-11, port.
- Essais sur la ligne postale des Indes.  
La Nature, No. 2797 (15 nov. 1928), Paris, p. 470, ill.
- Het vijfde postvliegtuig behouden uit Indië teruggekeerd.  
Het Vliegveld, 12de Jaarg., No. 11 (Nov. 1928), Amsterdam, pp. 315-316, ill.
- The India-England flight.  
Flight, Vol. 20, No. 37 (Sept. 13, 1928), London, pp. 776-777, ill., map.  
Capt. C. D. Barnard.
- See Mail: De postvluchten naar Indië.
- See Moes, M. C.: Het luchtverkeer met en in Indië. Zeevliegtuigen of landvliegtuigen.
- Industry.** Die Ausstattungs-industrie der deutschen Luftfahrt.  
Flug-Woche, 10. Jahrg., Heft 2, 1928, Berlin, pp. 32-33.
- Emerging airplane industry.  
Magazine of Business, Vol. 53 (April 1928), Chicago, pp. 441-443, ill.



- Industry. New industry emerges.  
Magazine of Business, Vol. 53 (Mar. 1928), Chicago, pp. 294-297, ill.
- See Czechoslovakia: Von der tschechoslowakischen Luftfahrtindustrie.
- See United States: Die amerikanische Luftfahrtindustrie im Jahre 1927.
- INGLIS, N. P. See Mason, W., and N. P. Inglis: The distribution of stress and strain in the Wöhler rotating cantilever fatigue test.
- INSLEY, ROBERT. Power-plant laboratory standard test methods and computations.  
Air Corps Information Circular, Vol. 6, No. 589 (Nov. 1, 1927), Washington, Government Printing Office, 1927, pp. 14, diagrs., test forms.
- INSTITUTION OF AERONAUTICAL ENGINEERS. See Royal Aeronautical Society (founded 1866) with which is incorporated The Institution of Aeronautical Engineers. Rules as passed at a special general meeting held on December 29, 1927.
- INSTITUTO DI CULTURA AERONAUTICA. See Morelli, V.: Sulla creazione nelle principali città di un Istituto di Cultura Aeronautica.
- INSTRUMENTS. Aero instruments and aircraft development.  
Flight, Vol. 20, No. 20 (May 17, 1928), London, p. 372, ill.
- Engine revolution indicator and recorder for aircraft.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 196, ill., diagr.
- Les méthodes et les instruments de navigation aérienne.  
Le Génie Civil, T. 92, No. 24 (16 juin 1928), Paris, pp. 591-596.
- A neat stall warning device.  
Flight, Vol. 20, No. 3 (Jan. 19, 1928), London, pp. 43-44, diagr. Barros.
- Pioneer drift indicator.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 254, ill.
- Quelques instruments nouveaux.  
L'Aérophile, 36e année, Nos. 17-18 (1er-15 sept. 1928), Paris, p. 283, ill.
- Synopsis of French aeronautic equipment. Aeronautic instruments.  
National Advisory Committee for Aeronautics, Technical Memorandum No. 476, August 1928, Washington, pp. 18, ill.  
From L'Aéronautique, No. 100, September 1927.
- See Accelerometer: Un accéléromètre à maximum.
- See Duncan, Richard: Air navigation and meteorology.
- See Gardner, G. W. H.: Report on the development of a hot-wire rate of descent meter.
- See Hyland, Lawrence A.: True altitude meters.
- See List, H.: Die Flugzeug-Instrumente und-Zubehörteile auf der "Ila."
- See Lonquest, Theodore C.: Aircraft instruments.
- See Nelson, William: Prevention of corrosion in instruments.
- See Obata, Jûichi, and Yahei Yosida: An electrical indicator for high-speed internal-combustion engines.
- See Ocker, William C.: Why instruments seem to fail in fog.
- See Paris: Exposition et conférence sur les instruments de navigation aérienne (Paris, 19-28 mai, 1928).
- See Ranalli, Renato: Gli strumenti di navigazione aerea ed il loro impiego razionale.

- INSTRUMENTS.** See Relf, E. F., and L. F. G. Simmons: A distant-reading instrument for the measurement of small displacements.
- See Stewart, C. J.: Modern development in aircraft instruments.
- INSURANCE.** See Balos, Henry H.: The problem of aviation insurance.
- See Barber, Horatio: Insurance writers and aeronautics.
- See Calamani, Giulio: Industria assicurativa e navigazione aerea.
- See Döring, Hermann: Die Luftversicherung. Entwicklung, Recht und Technik.
- See Kaftal, André: Réparations des dommages occasionnés aux passagers et aux expéditeurs de marchandises par les catastrophes de communication commerciale aérienne.
- See Luzzati, Aldo: Le assicurazioni aeronautiche.
- See Parker, Willis: Reducing the cost of fire insurance.
- See Pressman, Mildred Brigetta: Selected list of books and articles on aeronautics for the insurance underwriter.
- INTERNATIONAL.** The International F-18.  
Aviation, Vol. 24, No. 10 (Mar. 5, 1928), New York, pp. 574-575, 596, ill.
- INTERNATIONAL AMERICAN CONFERENCE.** Conventions on public international law adopted by the Sixth International American Conference, held at Habana, January 16-February 20, 1928.  
American Journal of International Law, Vol. 22, suppl., 1928, Concord, N. H., pp. 124-166.
- INTERNATIONAL CIVIL AERONAUTICS CONFERENCE.** International Civil Aeronautic Conference. Representatives of fifty-four nations invited to event in Washington.  
Aeronautic Review, Vol. 6, No. 10 (Oct. 1928), Washington, D. C., pp. 151, 161, ports.
- Programme. Conférence internationale de l'aéronautique civile de Washington [1928].  
Washington, États-Unis, Imprimerie du gouvernement, 1928, pp. 14, ill.
- INTERNATIONAL COMMISSION FOR AIR NAVIGATION.** Official Bulletin No. 13.  
I. Official acts relating to the air convention of the 13th October 1919.  
II. Documents relating to the commission.  
Paris, December 1927, pp. 72, ill.
- Official Bulletin No. 14. I. Official acts relating to the air convention of the 13th October 1919. II. Documents relating to the commission.  
Paris, October 1928, pp. 75, ill.
- INTERNATIONAL LAW.** See Goetz, J. H.: Newer developments and tendencies in international law.
- See Royse, M. W.: Aerial bombardment and the international regulation of warfare.
- INTERNATIONAL LAW ASSOCIATION.** See Döring, Hermann: Das internationale Recht der Privatluftfahrt.
- IRAQ.** See Townsend, E. J. D.: Some notes on temperature gradients in Iraq.
- IRELAND.** Ireland "Amphiplane."  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, p. 804, ill.
- IRVIN, LESLIE.** Mr. Leslie Irvin. Parachutist and private owner.  
Flight, Vol. 30, No. 31 (Aug. 9, 1928), London, pp. 690-691, ill.

- IRVING, H. B., A. S. BATSON, and C. H. BURGE. The effects of stagger and gap on the aerodynamic properties of biplanes at large angles of incidence. Part I. Lift, drag, and centre of pressure.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 152-159, tabs.
- IRVING, H. B., and A. S. BATSON. The effects of stagger and gap on the aerodynamic properties of biplanes at large angles of incidence. Part II. Rolling and yawing moments due to rolling.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 160-188, ills., diagrs., tabs.
- — Further experiments on a model of the "Bantam" aeroplane with special reference to the "flat" spin.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1927-28, Vol. 2, London, 1928, pp. 525-550, ills., diagrs., tabs.
- IRVING, H. B., A. S. BATSON, and D. H. WILLIAMS. Model experiments on R. A. F. 31 aerofoil with Handley Page slot.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 114-121, ills., diagrs., tabs.
- IRVING, H. B., A. S. BATSON, and A. L. MAIDENS. Model experiments with rear slots and flaps on aerofoils R. A. F. 31 and R. A. F. 26.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1927-28, Vol. 2, London, 1928, pp. 466-473, ills.
- IRVING, H. B., and A. S. BATSON. Rolling experiments on an aerofoil of R. A. F. 32 section.  
Aeronautical Research Committee. Reports and Memoranda, No. 1182, (Ae. 346), Sept. 1928, London, 1928, pp. 8, diagrs., tabs.
- ISIKAWA, MASAKITI. Theory and design of a new carburettor.  
Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 43 (Vol. 4, 2), (Sept. 1928), Tokyo, pp. 21-67, ills., diagrs., tabs.
- ISOTTA-FRASCINI. Libretto d'istruzione per l'uso del motore Isotta-Fraschini tipo 12 DB (Ministero dell' aeronautica; direzione generale del genio aeronautico).  
Roma, Provved. gen. Stato, Libreria (stab. poligr. Amm. Stato), 1928, pp. 96.
- ITALIA. La catastrophe de "l'Italia."  
La Nature, No. 2792 (1er sept. 1928), Paris, p. 228.
- — Le drame de l' "Italia" et de ses sauveteurs.  
L' Aéronautique, 10me année, No. 111 (août 1928), Paris, pp. 277-278, ills.
- — Semi-rigide "Italia."  
La Nature, No. 2786 (1er juin 1928), Paris, p. 519.
- — See Giudici, Davide: The tragedy of the Italia; with the rescuers to the red tent.
- — See Kehler, Richard von: Die Landung des Luftschiffes "Italia" in Seddin am 16. April 1928.
- — See Tornberg, Egmont: L'aviation suédoise au secours de l' "Italia."
- ITALY. Annali dell'ufficio presagi. Volume I.  
Ministero dell'Aeronautica, Aviazione Civile e Traffico Aereo, Roma, Provveditorato Generale dello Stato, 1927—Anno VI, pp. 103, ill., diagr., tabs.
- — Annuario ufficiale della regia aeronautica; 1928, a. VI.  
Roma, Provved. gen. Stato, Libreria (stab. poligr. Amm. Stato), 1928, pp. xliii, 360 con retratto.
- — Crucera de hidroaviones italianos por el Mediterráneo.  
Ibérica, Año 15, No. 733 (23 junio 1928), Barcelona, pp. 385-386, ill.



- ITALY. Guida aeronautica. Gli aeroporti doganali italiani. Notizie su gli aeroporti doganali esteri (Ministero dell'aeronautica; ufficio di Stato maggiore; 1° reparto, divisione operazioni, sezione cartografica; op. 4).  
Roma, Prov. gen. Stato, Libreria (Firenze, M. Ricci), 1927, pp. v, 227, ill.
- Istruzioni per l'uso degli avviatori "Viet & Schneebeli" (Ministero dell'aeronautica; direzione generale del genio aeronautico).  
Roma, Provved. gen. Stato, Libreria (stab. poligr. Amm. Stato), 1928, pp. 32, ill.
- Regia aeronautica—Calendario 1928. Anno VI.  
Milano, Roma, Luigi Alfieri e C. Editori.
- Registro italiano navale ed aeronautico (R. I.) per la visita e classificazione delle navi mercantili, dei galleggianti e degli aeromobili commerciali. Libro-registro 1928.  
Roma, Ufficio di presidenza [del] Registro italiano (Genova, P. Pellas fu L.), 1928, pp. clv, 1192.
- Registro italiano navale ed aeronautico. 1° supplemento al Libro-registro 1928; gennaio.  
Genova, tip. P. Pellas fu L., 1928, pp. 117.
- Statistica delle linee aeree civili italiane; anno 1926 (Ministero dell'aeronautica; aviazione civile e traffico aereo).  
Roma, Provved. gen. Stato (Stab. poligr. Amm. Stato), 1927, pp. 50, ill.
- Statistica delle linee aeree civili italiane. Anno 1927.  
Roma, Provved. gen. Stato Libreria.
- Technisches vom italienischen 58-Stunden-Flug.  
Flug-Woche, 10. Jahrg. Heft 8, 1928, Berlin, pp. 208-210, ill.
- Traversée Italienne de l'Atlantique Sud.  
La Nature, No. 2790 (1er août 1928), Paris, p. 135.
- L'uso pratico del nuovo telo da tenda.  
Rivista Aeronautica, Anno 4, N. 10 (Ott. 1928), Roma, pp. 73-89, ill.
- See Giannini, Amedeo: La legislazione aeronautica italiana. Vol. IV, a cura di Amedeo Giannini.
- See Negro, Piero [Pierre la Pipe]: Nidi d'aquila [L'aviazione in Italia dall'epoca leggendaria al 1927].
- See Gubernatis, E. Ferrero de: Note sulle linee di idroaviazione italiane.
- See Rocca, Carlo: Progrès de l'aviation civil en Italie. I. Création de nouveaux aéroports modèles.

## J

- J-5. See Weick, Fred E.: The drag of a J-5 radial air-cooled engine.
- JACOBS, ANNE MARGUERITE. Knights of the wind; introd. note by Orville Wright.  
New York, Century Co., 1928, pp. xii+240, ill.
- Twenty-five years of flight.  
St. Nicholas, Vol. 56 (Dec. 1928), New York, pp. 87-93, ill., map.
- JAMES W. FRANK. A Department of National Defense. We need it.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 667, 855-858, ill.
- JAMIESON, L. S. What's wrong when a plane crashes?  
Pop. Mech., Vol. 50 (Sept. 1928), Chicago, pp. 392-397, ill.
- JAPAN. See Buchler, Walter: Flying in Japan.

- JENNINGS, W. G., N. E. ROWE, and I. BOWEN. The application of the algebraic formulæ of R. & M. 1056 to problems of aircraft performance.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 430-440, diags.
- JENNINGS, W. G. Determination of the twist of a wing of an aeroplane in flight.  
Aeronautical Research Committee, Reports and Memoranda No. 1202 (Ae. 363), Sept. 1923, London, 1923, pp. 4, diags., tabs.
- The effects of body interference on airscrew performance.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 360-367, diags.
- The influence of the airscrew on the aircraft characteristics of a standard Bristol fighter aeroplane.  
Aeronautics. Techn. Rep. Aer. Res. Comm., 1926-27, London, 1928, pp. 379-382, diags.
- JOACHIM, WILLIAM F., and EDWARD G. BEARDSLEY. The effects of fuel and cylinder gas densities on the characteristics of fuel sprays for oil engines.  
National Advisory Committee for Aeronautics, Report No. 231, March 31, 1923, Washington, Government Printing Office, 1927, pp. 9, ill., diags.
- JOACHIM, WILLIAM F., and CARLTON KEMPER. The performance of several combustion chambers designed for aircraft oil engines.  
National Advisory Committee for Aeronautics, Report No. 282, April 12, 1923, Washington, Government Printing Office, 1923, pp. 12, ill., diags.
- JOHANSEN, F. C. See Fage, A., and F. C. Johansen: The structure of vortex sheets.
- JONES, B. MELVILL. The importance of "streamlining" in relation to performance.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 417-431, diags.
- Preliminary experiments on two-dimensional flow round bodies moving through a stationary fluid.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 54-65, ill., diags.
- Research on the control of airplanes.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 485, October, 1923, Washington, pp. 23, diags.  
Supplement to Nature, Vol. 121, No. 3054 (May 12, 1923), London, 755-762, 765, diags.  
Proceedings of the Royal Institution of Great Britain, Vol. 25, Part 3, No. 122 (October 1923), London, pp. 366-382, ill.  
Read Feb. 10, 1923.
- See Marsh, W. Lockwood: Research on the control of aeroplanes.
- JONES, BYRON QUINLEY. Practical flying. A training manual for airplane pilots.  
New York, The Ronald Press Company, 1928, pp. ix, 210, ill.
- JONES, E. T., and H. L. STEVENS. The direct measurement of the angle of flight path of an aeroplane as a means of eliminating the effect of air currents on the measurement of lift and drag.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 383-391, ill., diag., tabl.
- 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.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 374-381, diags., tabs.
- JONES, E. T. A full scale determination of the angle of downwash below an aeroplane.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 511-516, ill., diags., tabs.

- JONES, E. T., L. E. CAYGILL, R. G. HARRIS, and H. M. GARNER. Lift and drag of the Bristol fighter with Fairey variable camber wings.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 405-416, ills., diags., tabs.
- JONES, L. J.: See Simmons, L. F. G., and L. J. JONES: The one-foot wind tunnel at the National Physical Laboratory; including particulars of calibration made with a Pitot tube and vane anemometer at low speeds.
- JONES, PAUL. An alphabet of aviation.  
Philadelphia, Macrae Smith Company, [1928], pp. 63, ills.
- JONES, R. The distribution of normal pressures on a prolate spheroid.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 516-602, ills., diags., tabs.
- JOTTI DA BADIA POLESINE, A. Alcune osservazioni di aerodinamica e di fisiologia sul volo degli uccelli.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 132-135.
- JOUKOWSKI. See Léglise, P.: Le traceur Léglise pour profils Joukowski.
- See Loew, Gottfried: Contribution to the systematic investigation of Joukowski profiles.
- See Margoulis, W.: Applications de la théorie tourbillonnaire des hélices propulsives de Joukowski.
- See Perring, W. G. A.: The theoretical pressure distribution around Joukowski aerofoils.
- See Sasaki, Tatudirô: On the flow past a Joukowski's aerofoil in a wind tunnel.
- JOUKOWSKY, N. See Alexandroff, V. L.: La théorie tourbillonnaire du Professeur N. Joukovsky et le calcul des hélices propulsives aériennes.
- JOURDAN, SAUVAIRE. Un projet de station d'avions dans l'océan Atlantique.  
La Nature, No. 2787 (15 juin 1928), Paris, pp. 543-545, ill.
- JOYCE, TEMPLE. Applying racing practices to military designs.  
Aviation, Vol. 24, No. 23 (June 4, 1928), New York, pp. 1600-1601.
- JUNKERS. Junkers.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 241-244, ills.
- The Junkers G. 31.  
The Aeroplane, Vol. 34, No. 14 (Apr. 4, 1928), London, p. 500, ill., diagr.
- The Junkers heavy oil engine.  
Aeronautical Engineering, suppl. to The Aeroplane, Vol. 35, No. 22 (Nov. 28, 1928), London, p. 890, ill.
- JUPITER. "Jupiter" VII passes 100 hours' type tests.  
Flight, Vol. 20, No. 24 (June 14, 1928), London, p. 435, chart.
- Libretto d'istruzione per l'uso del motore Jupiter (Ministero dell'aeronautica; direzione generale del genio aeronautico).  
Roma, Provved. gen. Stato, Libreria (stab. poligr. Amm. Stato), 1927, pp. 95.
- JURIEFF, B. N., and N. P. LESSNIKOWA. Aerodynamical investigations.  
Central Aero-Hydrodynamical Institute, M. 1928, Moscow, pp. 428, ill.



## K

- KAFTAL, ANDRÉ.** Reparations des dommages occasionnés aux passagers et aux expéditeurs de marchandises par les catastrophes de communication commerciale aérienne.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 498-506.
- KAHN, LOUIS.** Nouvelles cartes aériennes.  
La Technique Aéronautique, 19e année, No. 84 (15 oct. 1928), Paris, pp. 162-173, ill., maps.
- KAHN, L. L.** Stressed coverings in naval and aeronautic construction.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 447, January, 1928, Washington, pp. 49, ill., diags., tabs.  
From "Association Technique Maritime et Aéronautique," May-June 1927.
- KAHN, LOUIS.** L'aviation commerciale devant l'opinion.  
Revue Politique et Parlementaire, T. 134, No. 401, 35 année (10 avril 1928). Paris, pp. 99-121.  
Reviewed in: Le Génie Civil, T. 92, No. 24 (16 juin 1928), Paris, pp. 596-597.
- KAHN, MAURICE.** Trois semaines en trimoteur Ford audessus de l'Amérique du Nord.  
L'Aérophile, 36e année, Nos. 15-16 (1er-15 août 1928), Paris, pp. 227-235, ill.
- KAISER, W.** Blutkreislauf-Untersuchungen im Unterdruck.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 10 (29. Mai 1928), München und Berlin, pp. 225-227, ill.
- Die Sauerstoffdrosselung in der Atemluft bei Atmosphärendruck (Stickstoffnarkose).  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 21 (14 Nov. 1928), München und Berlin, pp. 489-493, ill.
- KAMM, W.** Die neuen Flugmotoren auf der Ila 1928.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23 u. 24 (20. Dec. 1928), München und Berlin, pp. 548-553, ill.
- Nezeitliche Entwicklungsfragen für Flugmotoren unter besonderer Berücksichtigung der Höhenmotoren.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 116-132, diags., tabs.
- KARI-KEEN.** The "Kari-Keen Coupé."  
The Aviation, Vol. 25, No. 11 (Sept. 8, 1928), New York, pp. 812, 830, 832, ill.
- KATZ, HANS.** Nezeitliche Flugmotoren.  
Berlin, Richard Carl Schmidt & Co., 1927, pp. 389.
- KATZMAYR, RICHARD.** Berichte der Aeromechanischen Versuchsanstalt in Wien.  
Band 1, 1. Lieferung. Berlin, Verlag Richard Carl Schmidt & Co., 1928, pp. 76.
- KAWADA, SANDI.** On the fundamental principles of the vortex theory of air-screws.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 136-141, ill.
- KEHLER, RICHARD VON.** Die Landung des Luftschiffes "Italia" in Seddin am 16. April 1928.  
Der Luftweg, Heft 9, Jahrg. 1928, (10. Mai 1928), Berlin, München, pp. 86-87, ill.
- KELMIN, ALEXANDER, and GEORGE F. TITERTON.** Stress analysis of commercial aircraft.  
Aviation, Vol. 24, Nos. 11-26, Vol. 25, No. 1 (Mar. 12-July 2, 1928), New York, pp. 632-633, 654-660, 704-705, 723-731, 774-775, 794-799, 838-839, 848-853, 890-891, 896-899, 974, 1034-1042, 1148, 1157-1164, 1210, 1244-1250, 1299, 1314-1320, 1367, 1401-1411, 1455, 1472-1475, 1525-1526, 1534-1538, 1676, 1713-1719, 1766-1767, 1790-1793; 29, 51-54, ill., diag.
- KEMPER, CARLTON.** See Joachim, William F., and Carlton Kemper: The performance of several combustion chambers designed for aircraft oil engines.

- KEMPF, G. *See* Herrmann, H., G. Kempf, and H. Kloess: Tank tests of twin seaplane floats.
- KENGEN, E. T. Lands den gordel van smaragd.  
Het Vliegveld, 12de Jaarg., No. 2 (Feb. 1928), Amsterdam, pp. 41-44, ills.
- KENYA. Flying in Kenya, E. Africa.  
Flight, Vol. 20, No. 14 (Apr. 5, 1928), London, p. 231.
- KERSAINT, HENRY DE. Réponse à un article.  
L'Aérophile, 36e année, Nos. 23-24 (1er-15 déc. 1928), Paris, pp. 355-356.  
Article appeared in La Revue des Deux-Mondes, du 1er novembre 1928, intitulé "Un cas de folie collective."
- KEY WEST TO HAVANA. Key West to Havana.  
Aviation, Vol. 24, No. 8 (Feb. 20, 1928), New York, pp. 440-441, ill.
- KEYHOE, DONALD EDWARD. Flying with Lindbergh.  
New York, London, G. P. Putnam's Sons, 1928, pp. xv, 299, ills., map.
- Seeing America with Lindbergh.  
Nat. Geogr. Mag., Vol. 53 (Jan. 1928), Washington, pp. 1-40, ill., map.
- KEYSTONE. The Keystone "Panther" bomber.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, p. 102, ill., diagr.
- The Keystone Pirate.  
The Aeroplane, Vol. 34, No. 3 (Jan. 18, 1928), London, p. 76, ill., diagr.  
Aviation, Vol. 24, No. 13 (Mar. 26, 1928), New York, pp. 776, 792, ill.  
Scient. Amer., Vol. 139 (July 1928), New York, p. 68, ill.
- Keystone "Pirate" bomber.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, p. 588, ill.
- Keystone primary training airplane. "Pup."  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 274, ill.
- Keystone "Sign Carrier."  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, p. 923, ill.
- *See* Roloson, C. L.: Keystone production.
- KEYSTONE AIRCRAFT CORPORATION. *See* Weaver, Edgar E.: Static test of the XHB-3 experimental three-spar monoplane wing structure built by the Keystone Aircraft Corporation.
- *See* Weaver, Edgar R.: Static test of the XHB-3 experimental two-spar wing structure built by the Keystone Aircraft Corporation.
- KIMBALL. Kimball model K engine.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, p. 453, ill.
- KING'S CUP. King's Cup race and Siddeley trophy tour.  
Flight, Vol. 20, No. 29 (July 19, 1928), London, pp. 607-608, map.
- 1928 King's Cup race.  
Flight, Vol. 20, No. 30 (July 26, 1928), London, pp. 633-644, ill.
- KINGSFORD-SMITH, CHARLES E., and C. T. P. ULM. Our conquest of the Pacific  
Nat. Geogr. Mag., Vol. 54 (Oct. 1928), Washington, pp. 371-402, ill., map.
- Story of "Southern Cross" trans-Pacific flight, 1928.  
[Sydney, Penlington & Somerville, 1928], pp. 227, ills.
- KINKADE, T. H. Tuning up transatlantic motors.  
Scient. Amer., Vol. 138 (Feb.-Mar. 1928), New York, pp. 105-107, 239-241, ill.
- KINKEAD, S. M. Flight Lieut. Kinkead.  
Flight, Vol. 20, No. 11 (Mar. 15, 1928), London, p. 177.
- KINNER. The Kinner "Courier."  
Aviation, Vol. 24, No. 24 (June 11, 1928), New York, pp. 1677, 1711-1712, ill.

- KINNER.** Kinner folding wing "Courier."  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, pp. 806, 808, ill., diagr.
- KIRKUP, T. A.** See Bateman, H., H. C. H. Townsend, and T. A. Kirkup:  
Experiments with a family of airscrews, including effect of tractor and  
pusher bodies. Part IV.—In the effect of placing an airscrew in various  
positions within the nose of a streamline body.
- KIRSTE, L.** Recherche du maximum pratique de l'agrandissement des avions  
commerciaux, basée sur une étude simultanée des conditions de vol et de la  
résistance des matériaux.  
Paris, 1928, pp. 65, ills.  
Thèse de doctorat.
- KIRSTEN, F. K.** A new type of propeller.  
Journ. Soc. Automotive Engineers, Vol. 22, No. 1 (Jan. 1928), New York, pp. 77-80, ill.
- KITTY HAWK.** The "Kitty Hawk."  
Aviation, Vol. 25, No. 16 (Oct. 13, 1928), New York, pp. 1191, 1205, ill., diagr.
- Kittyhawk biplane.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 442, 444, ill.
- KITTY HAWK, N. C.** Brochure of the twenty-fifth anniversary celebration of  
the first successful airplane flight, 1903-1928.  
Kitty Hawk, N. C., December 17, 1928, pp. 12, ill., ports.  
Wilbur and Orville Wright.
- KLEFFEL, WALTHER.** Der Aero-Salon.  
Der Luftweg, Heft 14, Jahrg. 1928 (25. Juli 1928), Berlin, München, pp. 154-155, ill.
- Allerlei Kunstflug-Gedanken.  
Der Luftweg, Heft 15, Jahrg. 1928 (10. Aug. 1928), Berlin, München, pp. 162-163.
- Das Kunstflug-Duell Udet-Fieseler.  
Der Luftweg, Heft 10, Jahrg. 1928 (25. Mai 1928), Berlin, München, pp. 102-103.
- KLEMIN, ALEXANDER.** If you want to fly; the boy's book of aviation.  
New York, Coward-McCann, inc., 1928, pp. ix, 240, ills., diagrs.
- Kinematic studies in aerodynamics.  
Mech. Eng., Vol. 50, No. 3 (March 1928), New York, pp. 217, 220, ill.
- Learning to use our wings. This department will keep our readers in-  
formed of the latest facts about airplanes and airships.  
Scient. Amer., Vol. 138, Nos. 1-12 (Jan.-Dec. 1928), New York.
- Notes on the Guggenheim safety competition.  
Aviation, Vol. 24, Nos. 5-6 (Jan. 30, Feb. 6, 1928), New York, pp. 246-254, 314-319, ill.
- Progress in aeronautics.  
Mech. Eng., Vol. 50, No. 1 (Jan. 1928), New York, pp. 48-54, ill.
- KLEMM.** Klemm.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 245-246, ills.
- KLEMPERER, W.** Soaring flight.  
Smithsonian Annual Report 1927, Washington, 1928, pp. 221-241, ill.
- KLOESS, H.** See Herrmann, H., G. Kempf, and H. Kloess: Tank tests of twin  
seaplane floats.
- KNACK, FREDERICK.** The Temple monoplane.  
Aviation, Vol. 24, No. 9 (Feb. 20, 1928), New York, pp. 512-513, ill., diagr.
- KNACK, FRED J.** The Croydon airport.  
Aviation, Vol. 25, No. 12 (Sept. 15, 1928), New York, pp. 869, 882-886, ill.
- KNERR, HORACE C.** Inspection of aircraft tubing.  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, pp. 818, 820.



- KNIGHT, MONTGOMERY, and MILLARD J. BAMBER. Preliminary report on the flat-top lift curve as a factor in control at low speed.  
National Advisory Committee for Aeronautics, Technical Notes, No. 297, Washington, September 1928, pp. 10, diags., tabs.
- KNIGHT, MONTGOMERY, and OSCAR LOESER, jr. Pressure distribution over a rectangular monoplane wing model up to 90° angle of attack.  
National Advisory Committee for Aeronautics, Report No. 288, July 31, 1928, Washington, Government Printing Office, 1928, pp. 19, ills., diags.
- KNIPPING, MAX. *See* Blanchet, Georges: Aviateurs contemporains. Max Knipping.
- Köhl, Herman. Entwicklungsgrundlagen für den Nachtflug. (Unter besonderer Berücksichtigung der Bodenorganisation im Nachtluftverkehr.)  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 3 (14. Feb. 1928) München und Berlin, pp. 49-59, ills.
- Lessons of the first westward flight.  
Pop. Mech., Vol. 50 (July 1928), Chicago, pp. 1-5, ill., map.
- KOEHL, HERMAN, JAMES C. FITZMAURICE, and GUENTHER VON HUENEFELD. The three musketeers of the air. Their conquest of the Atlantic from east to west.  
New York, G. P. Putnam's Sons, 1928, pp. 330, ills.
- KOLZER, JOSEPH. Ein besonderes Verfahren zur Messung der Windgeschwindigkeit in Verbindung mit Flugzeug-Aufstiegen.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 16 (28 Aug. 1928), München und Berlin, pp. 365-366, ills., diags.
- KOEPKE, C. Eclairage d' aérodrome.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, pp. 277-280, ills.
- Sur l'utilisation des appareils lance-messages et lance-fusées Künzer.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 281-282.
- KÖPPEN, JOACHIM v. Die Aufgaben des Kunstfluges.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23. u. 24 (20. Dez. 1928), München und Berlin, pp. 576-578.
- Die Unfälle beim Figurenflug und beim Trudeln sowie Vorschläge zu ihrer Vermeidung.  
Die Luftwacht, Heft 8, Aug. 1927, Berlin, pp. 456-459.
- KONING, C. Over het begrip "Schaaleffect."  
Het Vliegvel, 12de Jaarg., No. 6 (Juni 1928), Amsterdam, pp. 157-159, diags., ill.
- KOOLHOVEN. Avionnette Koolhoven F. K. 30.  
La Nature, No. 2783 (15 avril 1928), Paris, p. 376, ill.
- De Koolhoven sportcoupé type FK. 41.  
Het Vliegvel, 12de Jaarg., No. 9 (Sept. 1928), Amsterdam, pp. 248-250, ills.
- The New Koolhoven light 'plane.  
Flight, Vol. 20, No. 2 (Jan. 12, 1928), London, p. 19, ill.
- KOPP, W. Over het gevaar van ijsaanzetting bij vliegtuigen.  
Het Vliegvel, 12de Jaarg., No. 12 (Dec. 1928), Amsterdam, pp. 353-354.
- KOPPE, H. Ila und Messtechnik.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23 u. 24 (20. Dez. 1928), München und Berlin, pp. 571-572.
- KOPPEN, G. A. Our flight from Amsterdam to Batavia and back.  
Flight, Vol. 20, No. 9 (Mar. 1, 1928), London, pp. 143-146, ill.

- KORSA. The "Korsa I."  
Flight, Vol. 20, No. 14 (Apr. 5, 1928), London, pp. 230-231, ill.
- KORSA I. The "Korsa I" sport plane.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 192, ill.
- KORVIN-KROUKOVSKY, B. V. A designer's impressions of the Detroit show.  
Aviation, Vol. 24, No. 18 (Apr. 30, 1928), New York, pp. 1208-1209, 1251-1256, ill.
- Edo all metal seaplane floats.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, pp. 46-48, ill.
- KOYEMANN, A. Der Leistungsgütegrad von Flugzeugen.  
Flug-Woche, 10. Jahrg., Heft 11, 1928, Berlin, pp. 350-352.
- KRAHMER, E. R. Ein neues aerophotogrammetrisches Auswertinstrument.  
Flugwoche, 10. Jahrg., Heft 7, 1928, Berlin, pp. 193-196, ills.
- KRAUT, RICHARD. Der Wert der Funkpeilung für den Luftverkehr.  
Luftfahrt, 32. Jahrg., Nr. 13 (7. Juli 1928), Berlin, pp. 193-194.
- KREDEL, ERNST. Zeppelin.  
Flugwoche, 10. Jahrg., Heft 7, 1928, Berlin, pp. 167-169, port.
- KRELL, O. Ein Beitrag zur Landetechnik grosser Luftschiffe.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 18 (28 Sept. 1928), München und Berlin, pp. 441-439, ills.
- KROMER, HUGO H. Hochspannungsleitungen und Luftverkehr.  
Der Luftweg, Heft 8, Jahrg. 1928, (25. April 1928), Berlin-München, pp. 78-79.
- Die Windkanal-Anlage des Kyffhäuser-Technikums.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 15 (14. Aug. 1928), München und Berlin, pp. 347-354, ills.
- KRUPP, G. Das doppelmotorige Seeschulflugzeug Arado W II.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 7 (14. April 1928), München und Berlin, pp. 162-165, ills.
- Das Leichtflugzeug Raab-Katzenstein RK 9 "Grasmücke."  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 10 (29. Mai 1928), München und Berlin, pp. 217-218, ills.
- Der Scintilla-Magnet.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23 u. 24 (20. Dez. 1928), München und Berlin, pp. 582-584, ills.
- Die Sonderschau der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) auf der Ila 1928, Halle II, Galerie.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23 u. 24 (20. Dez. 1928), München und Berlin, pp. 555-562, ills.
- KÜNZER, M. See Koepke, C.: Sur l'utilisation des appareils lance-messages et lance-fusées Künzer.
- KÜSSNER, H. G. Das wirtschaftliche Ozeanflugzeug.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 22 (28. Nov. 1928), München und Berlin, pp. 513-530, ills., diags.
- KUIPERS, C. Nieuwe vliegtuigmotoren.  
Het Vliegveld, 12de Jaarg., No. 1 (Jan. 1928), Amsterdam, pp. 3-5, ills.
- KUNOV, C. A. First annual model airplane tournament of the Los Angeles city schools.  
Industrial Arts Magazine, Vol. 17 (June 1928), Milwaukee, pp. 195-198, ill.
- KURZ, ERWIN. Die neueste Entwicklung der Motorzündung für Flugzeuge in Amerika.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 6 (28. März 1928), München und Berlin, pp. 124-129, ills.

- KUSTERER, M. If you should fly.  
*Outlook*, Vol. 149 (May 16, 1928), New York, pp. 86-87, ill.
- KUWATA, TSUTOMU. *See* Tanaka, Yoshio, and Tsutomu Kuwata: On preparation of lead tetraethyl.

## L

- L. RÖ I. Il nuovo sistema di dirigibile rapido "L. Rö I."  
*Rivista Aeronautica*, Anno 4, N. 11 (Nov. 1928), Roma, pp. 361-364, ill.
- Transatlantik-Projekt "L. Rö 1."  
*Flug-Woche*, 10. Jahrg., Heft 9, 1928, Berlin, p. 283, ill.
- L Z. LZ 127.  
*Der Luftweg*, Heft 4, Jahrg. 1928 (25. Feb. 1928), Berlin-München, p. 29, ill.
- LABOUCHÈRE, RENÉ. Du vol dans le brouillard.  
*L'Aéronautique*, 10me année, No. 108 (mai 1928), Paris, pp. 164-165.
- LACHMANN, G. The span as a fundamental factor in airplane design.  
 National Advisory Committee for Aeronautics, Technical Memorandums No. 479, September 1928, Washington, pp. 40, ill., diags.  
*From Zeitschrift für Flugtechnik und Motorluftschiffahrt*, May 14, 1928.
- Die Spannweite als grundlegendes Bestimmungsstück des Flugzeugentwurfs.  
*Zeitschr. Flugt. Motorluftsch.*, 19. Jahrg., Heft 9 (14. Mai 1928), München und Berlin, pp. 198-208, ill.
- LADEMANN, R. E. Gasluftkrieg.  
*Flug-Woche*, 10. Jahrg., Heft 11, 1928, Berlin, p. 359.
- LADEMANN, ROBERT W. E. Das Rak-Auto und seine Vorgänger!  
*Der Luftweg*, Heft 11, Jahrg. 1928 (10. Juni 1928), Berlin-München, pp. 119-121, ill.
- Rund um die Rakete.  
*Flug-Woche*, 10. Jahrg., Heft 4, 1928, Berlin, pp. 122-124, ill.
- Zur Nacht- und Nebellandung.  
*Flug-Woche*, 10 Jahrg., Heft 8, 1928, Berlin, pp. 217-218, ill.
- Die wissenschaftliche Bedeutung des Rückstossers.  
*Der Luftweg*, Heft 10, Jahrg. 1928 (25. Mai 1928), Berlin, München, pp. 103-104.
- LAIRD. The Laird "Whippoorwill."  
*Aviation*, Vol. 24, No. 12 (Mar. 19, 1928), New York, pp. 707, 721, ill., diagr.
- LA LLAVE, J. DE. La técnica de los dirigibles en Norte-américa.  
*Ibérica*, Año 15, Núm. 726 (5 mayo 1928), Barcelona, pp. 277-279.
- LALLIER, ROGER. Jacques P. Schneider.  
*L'Aérophile*, 36e année, Nos. 9-10 (1er-15 mai 1928), Paris, p. 144, port.
- LAMB, H. A paradox in fluid motion.  
*Aeronautics. Techn. Rep. Aer. Res. Comm.* 1926-27, London, 1928, pp. 78-81.
- LAMÉ, M. Les accessoires standardisation et unification—les cahiers des charges.  
*L' Aérophile*, XIe Salon de l'aéronautique, 29 juin-15 juil. 1928, Paris, pp. 52-54, ill.
- Au XIe Salon de l'Aéronautique 29 juin-15 juillet.  
*L'Aérophile*, 36e année, Nos. 13-14 (1er-15 juil. 1928), Paris, pp. 195-199, ill.
- Inauguration des nouveaux laboratoires Zénith.  
*L'Aérophile*, 36e année, Nos. 15-16 (1er-15 août 1928), Paris, p. 251.
- LAMÉ, M. Les nouveaux accessoires d'avion présentés au service technique et industriel de l'aéronautique.  
*L'Aérophile*, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, pp. 85-90, ill.



- LANCASTER, W. N. Captain W. N. Lancaster's fine flight.  
Flight, Vol. 20, No. 3 (Jan. 19, 1928), London, pp. 39-40, map.  
London to Muntok, Dutch East Indies.
- LANDING. Airship on the deck.  
Literary Digest, Vol. 96 (Feb. 11, 1928), New York, p. 12, ill.
- Wheels and brakes.  
Scient. Amer., Vol. 139 (Sept. 1928), New York, pp. 259-260, ill., diagr.
- See Brakes: Le freinage des avions à l'atterrissage.
- See Brakes: Un freinage par crosse sur avion marin.
- See Breguet, Louis: L'atterrissage et le freinage des avions.
- See Carroll, Thomas: A dangerous seaplane landing condition.
- See Cleary, Charles J.: Airplane tires and inner tubes.
- See Doty, G. H.: Wheel brakes and their application to aircraft.
- See Lademann, Robert W. E.: Zur Nacht- und Nebellandung.
- See Fairchild Manufacturing Company: Flotteurs et skis combinés.
- See Fritsch: Les patins anticapotants Fritsch.
- See Port, Theo. de: Determination of stresses in landing gears and design of shock-absorbing units. Part I.
- LANE, D. R. Airline progress on the Pacific Coast.  
Aviation, Vol. 25, No. 10 (Sept. 1, 1928), New York, pp. 699, 756-762, ill.
- Captain Kingsford-Smith to try a fifth time.  
Aviation, Vol. 24, No. 4 (Jan. 23, 1928), New York, pp. 200-202, ill.  
For endurance flight.
- The radio equipment of the "Southern Cross."  
Aviation, Vol. 25, No. 1 (July 2, 1928), New York, pp. 27, 59-60, ill.
- The six cross-country air derbies.  
Aviation, Vol. 25, No. 13 (Sept. 22, 1928), New York, pp. 934-935, 947-949, ill.
- The Thaden "Argonaut."  
Aviation, Vol. 24, No 7 (Feb. 13, 1928), New York, pp. 386-388, ill.
- LANGLEY, F. The constructional design of metal flying-boat hulls.  
Aeronautical Engineering, suppl. to The Aeroplane, Vol. 34, No. 13 (Mar. 28, 1928), London, London, pp. 423-428, ill., diagr.
- LANGLEY, M. The constructional design of metal flying-boat hulls, Part I.  
Workshop notes on the building of metal hulls, Part II.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 487, November 1928, Washington, pp. 26, ill.  
From the Aeroplane, March 28, and July 25, 1928.
- Workshop notes on the building of metal hulls.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 35, No 4 (July 25, 1928), London, pp. 205-208, ill., diagr.
- LANGLEY, SAMUEL PIERPONT. See Abbot, Charles Greeley: [Langley-Wright.]
- See Abbot, Charles Greeley: The relations between the Smithsonian Institution and the Wright brothers.
- See Montgomery, John J.: Government airplanes do not infringe old patent on wings, Court of Claims rules.
- See Wright Brothers: The Wright Brothers' and Langley's aeroplanes.  
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- LANGLEY MEMORIAL LABORATORY. *Essais au tunnel et vraie grandeur.*  
La Nature, No. 2797 (15 nov. 1928), Paris, p. 471.
- LANGSDORFF, WERNER von. *Aus dem Schweizer Segelflugzeugbau.*  
Flug-Woche, 10. Jahrg., Heft 11, 1928, Berlin, pp. 354-356, ills.
- Dr. Echener. 60jahre alt.  
Flug-Woche, 10. Jahrg., Heft 8, 1928, Berlin, p. 218, port.
- Der Flugzeugbau auf der "Ila."  
Flug-Woche, 10. Jahrg., Heft 10, 1928, Berlin, pp. 284-296, ills.
- Fortschritte der Luftfahrt, 1927-1928.  
Frankfurt, A. M., Verlag H. Bechold, pp. 508.
- Neues aus der Flugtechnik.  
Der Luftweg, Heft 3, 5, 8, 10, 13, Jahrg. 1928 (10. Feb., 10. März, 25. April, 25. Mai, 10. Juli, 1928), Berlin und München, pp. 19-21, 37-40, 79-80, 104-106, 146-148, ills.
- Oesterreichische Segelflugzeuge.  
Flug-Woche, 10. Jahrg., Heft 12, 1928, Berlin, pp. 377-378, ills.
- Pocket almanac of aeronautics, year 1928-29.  
New York, B. Westermann & Co., 1928, pp. 626, ill.
- Taschenbuch der Luftflotten.  
Frankfurt a. M., H. Bechold Verlag, 1928, pp. 626, ills.
- LA PAZ, BOLIVIA. *An aerodrome at 13,000 feet.*  
Flight, Vol. 20, No. 6 (Feb. 9, 1928), London, pp. 78-79, ill.
- LA POLLA, ERNESTO. *Considerazioni sull'avvenire del traffico aereo.*  
Rivista Aeronautica, Anno 4, N. 10 (Ott. 1928), Roma, pp. 1-20.
- LAPWINGS. *See Atlantic: A transatlantic flight.*
- LASSALE-DUROYON. *Voyage en étoile au-dessus de l'Europe.*  
La Nature, No. 2796 (1er nov. 1928), Paris, p. 424.
- LAUNCHING. *See Bouché, Henri: Catapulte, paquebot et aviation marchande.*
- *See Haus, Fr.: L'influence de la stabilité statique longitudinale sur la trajectoire des avions.*
- *See Magaldi, Giulio: La navigazione aerea ed il lancio meccanico dei velivoli.*
- *See Primauguet: L'aviation de bord et la croisière du "Primauguet".*
- *See Sauvaire-Jourdan: Paquebots et avions.*
- LAURENT-EYNAC. *Extraits du discours-programme de M. Laurent-Eynac (21 novembre 1928).*  
L'Aéronautique, 10me année, No 115 (déc. 1928), Paris, p. 406.
- LAWRANCE, CHARLES L. C. L. Lawrance awarded trophy. *Adjudged winner by Collier Trophy committee of the National Aeronautic Association.*  
Aeronautic Review, Vol. 6, No. 2, 3 (Feb., March, 1928), Washington, D. C., pp. 20, 28, 37, ill., port.
- LAWS and regulations. *Abstract of state laws on aeronautics as of March 15, 1928.*  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 930-931.
- *Aerial traffic cops in London and Chicago.*  
Literary Digest, Vol. 99 (Nov. 24, 1928), New York, pp. 57-58.
- *Air commerce regulations effective as amended June 1, 1928.*  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 946-950.

- LAWs and regulations. Air rights skyscraper swallows railways; Chicago Daily News Building.  
 Pop. Mech., Vol 50 (Aug. 1928), Chicago, pp. 227-229, ill., diagr.
- How much sky do we own?  
 Literary Digest, Vol. 98 (Aug. 18, 1928), New York, p. 20.
- The law in relation to aircraft.  
 Flight, Vol. 20, No. 51 (Dec. 20, 1928), London, p. 1069.
- See Allnut, E. F.: Who owns the air.
- See Ambrosini, Antonio: La limitazione legale della responsabilità aeronautica.
- See Berlingieri, Francesco: Sull'impellente necessità di un accordo internazionale circa i principi relativi alle limitazioni delle responsabilità dei proprietari ed esercenti di aeromobili.
- See Boggiano-Pico, Eugenio: L'aviation marchande et la liberté des airs.
- See Cacopardo, Salvatore: Circa le "zone vietate."
- See Chamberlain, J. P.: Government.
- See Döring, Hermann: Das internationale Recht der Privatluftfahrt.
- See Giannini, Amedeo: Sulla revisione della Convenzione di Parigi per il regolamento della navigazione aerea.
- See Goetz, J. H.: Newer developments and tendencies in international law.
- See Great Britain: The medical examination of civilian aviators.
- See Hotchkiss, Henry Greene: A treatise on aviation law.
- See International American Conference: Conventions on public international law adopted by the Sixth international American Conference, held at Habana, January 16-February 20, 1928.
- See International Commission for Air Navigation: Official Bulletin No. 13. Official acts relating to the air convention of the 13th October, 1919. Documents relating to the commission.
- See International Commission for Air Navigation: Official Bulletin No. 14. I. Official acts relating to the air convention of the 13th October, 1919. II. Documents relating to the Commission.
- See Meissner, H. G.: Eine interessante Reichsgerichtsentscheidung zum Luftverkehrsgesetz.
- See Meyer, Alex: Der achte internationale Kongress für Luftrecht in Madrid.
- See Meyer, Willy: Das Luftrecht im Weltkrieg.
- See Oregon: Oregon aeronautic laws regulating flying and registering aviators.
- See Pennsylvania: Commonwealth of Pennsylvania. Department of Internal Affairs. Bureau of Aeronautics. General rules and regulations governing aeronautics adopted by the Department of Internal Affairs and approved by the State Aeronautics Commission.
- See Royle, M. W.: Aerial bombardment and the international regulation of warfare.
- See Tarantini, Lello: Proposte di modifiche alla "Convenzione per il regolamento della navigazione aerea."



- LAWs and regulations. *See* Tauber, Ernst: Das Luftrecht auf dem Deutschen Juristentag.
- *See* Théodoridès, Ph.: Aperçu sur le projet de loi hellénique de 1927 sur la navigation aérienne.
- *See* United States Congress: Civil aeronautics. Legislative history of the air commerce act of 1926 approved May 20, 1926, together with miscellaneous legal materials relating to civil air navigation.
- *See* Wegerdt, Alfred: Luftrecht.
- *See* Wingfield, Lawrence Arthur, and Reginald Brabant Sparkes: The law in relation to aircraft.
- LEAD tetraethyl. *See* Tanaka, Yoshio, and Tsutomu Kuwata: On preparation of lead tetraethyl.
- LE BLOND. Le Blond aircraft engines.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 934-935, ill.
- LE BRIX, JOSEPH M. *See* Costes, Dieudonne: 57.000 kilomètres autour du monde par Costes et le Brix.
- *See* Costes, Dieudonne, and J. Lebrix: Finishing the task of Nungesser and Coli.
- *See* Costes, Dieudonne, at Joseph M. Le Brix: Notre tour de la Terre.
- *See* Hirschauer: Le tour du monde de Costes et Le Brix.
- LEE, H. Merchandising airplanes.  
Aviation, Vol. 25 No. 16 (Oct. 13, 1928), New York, pp. 1188, 1210-1214, ill.
- LEFRANC, JEAN-ABEL. Avions d'avenir. I. Avion Bernard Hubert.  
La Nature, No. 2780 (1er mars, 1928), Paris, pp. 202-205, ill.
- Avions métalliques modernes. Les avions "Avimeta Lepère."  
La Nature, No. 2784, (1er mai 1928), Paris, pp. 390-395, ill., tabl.
- LEGA, VITTORIO. La fortificazione permanente e l'offesa aerea.  
Rivista Aeronautica, Anno 4, N. 10 (Ott. 1928), Roma, pp. 59-62.
- Le possibilità' del volo rasente nell' attacco contro navi da superficie.  
Rivista Aeronautica, Anno 4, N. 9 (Sett. 1928), Roma, pp. 520-525.
- LEGISLATION. Aviation legislation before Congress. Second session of Seventieth Congress finds considerable aviation legislation pending.  
Aeronautic Review, Vol. 6, No. 12 (Dec. 1928), Washington, D. C., pp. 195-196, 204, ill.
- LÉGLISE, P. Le traceur Léglise pour profils Joukowski.  
L'Aéronautique (L'Aérotechnique, 6me année, No. 62), 10me année, No. 105 (fév. 1928), Paris, p. 50, ill.
- LEHMANN, ERNST A., and HOWARD MINGOS. The Zeppelins.  
London, Putnam and Sons, 1928, pp. 329, ill.
- LEHMANN, G. D. The variation in the fatigue strength of metals when tested in the presence of different liquids.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 821-833, ill., diags., tabs.
- LEHMANN, OTTO. Heimkehr! Einer für Alle, Alle für einen.  
Flug-Woche, 10. Jahrg., Hefte 5-6, 1928, Berlin, pp. 132-134.
- Ozeanflug-Problem und drohende Ozean-Flug-Psychose.  
Flug-Woche, 10. Jahrg., Heft 4, 1928, Berlin, pp. 100-102, ill.

- LEHR, G. Un enseignement de la coupe Schneider. L'emploi du réducteur sur les appareils rapides.  
L'Aéronautique (L'Aérotechnique, 6e année, No. 61), 10me année, No. 104 (jan. 1928), Paris, pp. 16-17.
- Suralimentation et sous-alimentation des moteurs d'aviation.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 323, diags.
- LEIGHTON, B. G. Airplanes and guns.  
Atlantic Monthly, Vol. 141 (April 1928), Boston, pp. 530-539.
- LENGERKE, J. E. DE. By air to the poles. Aerial expeditions to the North and South Poles are to be made this year.  
Airways, Vol. 4, No. 9 (May 1928), London, pp. 306-308, ill.
- LEONARDO DA VINCI. See Giacomelli, R.: Les machines volentes de Léonard de Vinci et le vol a voile.
- LEONHARDY, LEO. Praktische Fliegerausbildung.  
Berlin, Verlag C. J. E. Volkman, pp. 48.
- LEPAGE, WYNN LAURENCE. The A B C of flight; with a foreword by Edward P. Warner.  
New York, John Wiley and Sons, Inc., London, Chapman and Hall, Ltd., 1928, pp. ix, 141, ill.
- Pitcairn progress in 1927.  
Aviation, Vol. 24, No. 7 (Feb. 13, 1928), New York, pp. 334-335, ill.
- LEPÈRE, GEORGES. Les cellules les progrès de l'aérodynamique et leurs applications pratiques.  
L'Aérophile, XIe Salon de l'aéronautique, 29 juin-15 juil. 1928, Paris, pp. 46-48.
- L'influence de l'allongement de voilure sur les performances des avions.  
L'Aéronautique (L'Aérotechnique, 6e année, No. 69), 10me année, No. 112 (sept. 1928), Paris, pp. 313-319, diags.
- LE PETIT, ROBERT. See Blanchet, Georges: Aviateurs contemporains. Le capitaine Robert Le Petit.
- LEROUX, EMILE. Cours d'aéronautique.  
Paris, Ch. Béranger, éditeur, 1927, pp. 384, ill.
- LESSNIKOWA, N. P. See Jurieff, B. N., and N. P. Lessnikowa: Aerodynamical investigations.
- LEVERATO, IPERIDE, e ALDO BOGGIO-GILOT. Come si è ottenuta l'intercambiabilità degli idrovolanti S-59 bis di costruzione S. I. A. I., Macchi e Cant.  
Ministero dell' Aeronautica, Notiziario Technico di Aeronautica, Anno 6, N. 8 (Agosto 1928), Roma, pp. 1-21, ill.
- LEVI-CASES, A. Problemi di adattamento alle esigenze del volo, nel problema generale della creazione del motore ad olio pesante per la navigazione aerea.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 339-361.
- LEXINGTON. The Lexington and Saratoga.  
Aviation, Vol. 24, No. 2 (Jan. 9, 1928), New York, pp. 94-95, ill.  
Airplane carriers.
- See United States: U. S. Aircraft Carriers.
- LEYAT, MARCEL. Le nouvel avion-voiture Leyat.  
L'Aérophile, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, p. 76, ill.
- LIBERTY BELL. "Liberty Bell" biplane.  
Aviation, Vol. 25, No. 11 (Sept. 8, 1928), New York, pp. 810, 836, 838, ill.

- LIEBERS, F. *See* Seewald, F., H. Blenk and F. Liebers: The 1926 German seaplane contest. Part I: Lessons taught, by F. Seewald; Part II: Method of rating, by H. Blenk and F. Liebers.
- LIEBMANN, LOUIS. Die historische Entwicklung der Luftfahrt.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 19. u. 20. (7. Okt. 1928), München und Berlin, pp. 441-449, illus.
- LIFT. *See* Knight, Montgomery, and Millard J. Bamber: Preliminary report on the flat-top lift curve as a factor in control at low speed.
- *See* Moriya, T.: On the lift of biplanes.
- LIGHT. *See* Talenti, Cesare: Influenza delle luci colorate sull'adattamento retinico.
- LIGHTING. Automatic airport lighting.  
Scient. Amer., Vol. 138 (April 1928), New York, p. 356, ill.
- Lighting aeroplane routes.  
Nature, Vol. 122, No. 3079 (Nov. 3, 1928), London, p. 709.
- Lighting of airports.  
American City, Vol. 38 (Mar. 1928), New York, pp. 104-106, ill.
- New neon light for aviation.  
Scient. Amer., Vol. 138 (Apr. 1928), New York, p. 352, ill.
- Un nouveau matériel d'éclairage et de balisage.  
L'Aérophile, 36e année, Nos. 17-18 (1er-15 sept. 1928), Paris, p. 284, ill.
- Stati Uniti. Illuminazioni di aeroporti.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 584-590, illus.
- *See* B. B. T. Corporation: Phare pour l'aéronautique.
- *See* Burgess, George Kimball: Aircraft radio beacon development.
- *See* Ford, Arthur S.: Airport lighting.
- *See* Harding, Wilbur T.: Flood-light test at Fairfield air depot, 1927.
- *See* Koepke, C: Eclairage d'aérodrome.
- *See* Marcotte, Edmond: Le balisage lumineux.
- *See* Mioche, R.: Nouveaux dispositifs de balisage des routes aériennes.
- *See* Stippler, W.: Befeuerungsanlagen für den Luftverkehr.
- LIGHTNING. *See* G., S: The hazard of lightning in aviation.
- LINCOLN-PAGE. Hispano-engined Lincoln-Page.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 754, ill.
- LINDBERGH, CHARLES AUGUSTUS. Address on study and teaching of aviation.  
Journal National Educational Association, 1928, Washington, pp. 808-809.
- Charlie Lindbergh gets a job.  
Literary Digest, Vol. 97 (June 9, 1928), New York, pp. 34-36.
- Colonel Lindbergh returns. Completes 9,060-mile Central American good-will tour with nonstop flight from Havana, Cuba, to St. Louis, Mo.  
Aviation, Vol. 24, No. 9 (Feb. 27, 1928), New York, pp. 518-519, ill.
- Lindbergh ends Latin-American tour.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 340-341, 464-465, ill., map.
- Lindbergh—International ambassador. Eagle of the air thrills Latin America and advances aviation.  
The Pure Iron Era, first issue 1928, New York, pp. 5-6, 16, ill., map.



- LINDBERGH, CHARLES AUGUSTUS. *Lindbergh, the flier of Little Falls.*  
St. Cloud, Minn., 1928, pp. [23].
- *Lindbergh's Central American flight.*  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, pp. 174, 301, ill.
- *Lindbergh's flight to Mexico and Central America.*  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, pp. 14-18, ill., map.
- *Lindy: the advance agent of the air age.*  
Literary Digest, Vol. 96 (Jan. 7, 1928), New York, pp. 37-42, ill., map.
- *Mon avion et moi.*  
Paris, E. Flammarion, édit.
- *De technische voorbereiding van Lindbergh's oceaanvlucht.*  
Het Vliegveld, 12de Jaarg., No. 1 (Jan. 1928), Amsterdam, pp. 5-8, ills.
- *To Bogota and back by air.*  
Nat. Geogr. Mag., Vol. 53 (May 1928), Washington, pp. 529-601, ill., map.
- "We," the famous flier's own story of his life and his transatlantic flight, together with his views on the future of aviation, with a foreword by Myron T. Herrick.  
New York, London, G. P. Putnam's Sons, 1928, pp. 318, ills.
- *Wir Zwei.*  
Leipzig, Verlag F. A. Brockhaus, 1927, pp. 157.
- *See Burden, James H.: An interpretation of Col. Lindbergh's achievements.*
- *See Keyhoe, Donald Edward: Flying with Lindbergh.*
- *See Keyhoe, Donald Edward: Seeing America with Lindbergh.*
- *See Mexico: Discursos pronunciados en la sesión solemne efectuada por la Cámara de diputados en honor del aviador norteamericano coronel Charles A. Lindbergh . . . 15 de diciembre de 1927.*
- *See Orteig, Raymond: Testimonial dinner given to Mr. Raymond Orteig by his friends in appreciation of the great services he has rendered aviation in the United States and France . . .*
- *See Owen, R.: Lindbergh's historic Central American flight.*
- *See Porto Rico: Col. Charles A. Lindbergh, "messenger of peace and good will." Greetings from the public schools of Porto Rico. January, 1928. Issued by the Department of Education.*
- *See United States Congress: Authorizing the coinage of a gold medal for presentation to Col. Charles A. Lindbergh in honor of his achievements.*
- *See United States Congress: Authorizing the coinage of a gold metal in commemoration of the achievements of Col. Charles A. Lindbergh.*
- *See United States Congress: To authorize Col. Charles A. Lindbergh to accept decorations of foreign governments. Report to accompany H. R. 10715.*
- *See Van Kampen, Isaac: Lindbergh; a saga of youth.*
- *See West, James Edward: The lone scout of the sky; the story of Charles A. Lindbergh.*
- LINDBERGH, H. A. *The "Starling" biplane.*  
Aviation, Vol. 24, No. 23 (June 4, 1928), New York, pp. 1599, 1625, ill.

- LINGARD, A. L. *See* Coales, J. D., and A. L. Lingard: The determination of the horsepower height factor of engines from the results of type trials of aircraft.
- LINKE, F. Luftströmungen über Bergrücken.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 21 (14. Nov. 1928), München und Berlin, pp. 501-504, ill.
- LINNEY, A. G., and T. STANHOPE SPRIGG. Who's Who in aviation.  
London, Airways Publications Ltd.
- LION, A. Der neue deutsche Dauerflug-Weltrekord.  
Flugwoche, 10. Jahrg., Nr. 7, 1928, Berlin, p. 166.
- Soll die Temperatur beim Verbrennungs-Motor niedrig oder Hoch sein?  
Flug-Woche, 10. Jahrg., Heft 11, 1928, Berlin, p. 360.
- LIORÉ OLIVIER. L'hydravion de tourisme Lioré Olivier Le O H 18.  
L'Aérophile, 36e année, Nos. 15-16 (1er-15 août 1928), Paris, pp. 249-250, ill.
- LIOTTA, AURELIO. Concorsi a premio indetti dalla "Rivista Aeronautica" per l'anno 1928.  
Rivista Aeronautica, Anno 4, N. 7 (Luglio 1928), Roma, pp. 1-3.
- LIPPISCH, A., und FR. STAMER. Raketerversuche mit Flugzeugen und Flugzeugmodellen.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 12 (28. Juni 1928), München und Berlin, pp. 270-274, ill.
- LIPPISCH, A. Versuche mit neuartigen Flugzeugtypen.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 12 (28. Juni 1928), München und Berlin, pp. 274-281, ill.
- LIPPISCH, A., F. STAMMER, und J. NEHRING. Versuche mit neuartigen Flugzeugtypen. Mitteilung des Forschungsinstituts der Rhön-Rossitten-Ges. von A. Lippisch, Wasserkuppe (Rhön), mit Flugerfahrungen von F. Stammer und J. Nehring.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 2 (28. Jan. 1928), München und Berlin, pp. 32-37, ill.
- LIPPISCH A. *See* Stamer, F., und A. Lippisch: Gleitflug und Gleitflugzeuge, Teil II. Bauanweisungen und Bauzeichnungen.
- LIQUIDS. *See* Burgers, J. M.: Note on research work by Helmholtz and Wien relating to the form of waves propagated along the surface of separation of two liquids.
- LIST, H. Die Flugzeug-Instrumente und -Zubehörteile auf der "Ila."  
Flug-Woche, 10 Jahrg., Heft 10, 1928, Berlin, pp. 306-309, ill.
- LOADING. *See* Breguet, Louis: On the take-off of heavily loaded airplanes.
- LOADS. *See* Pröll, A.: Der Start schwer belasteter Flugzeuge.  
— *See* Pröll, A.: Take-off of heavily loaded airplanes.
- LOBO D'AVILA LIMA, J. Contribution des Portugais au développement de la navigation aérienne.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 507-517, ill.
- LOCK, C. N. H. Analysis of experiments on an airscrew in various positions within the nose of a tractor body.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 247-266, ill., diagrs., tabs
- Further development of autogyro theory.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 594-636, ill., diagrs., tabs.

- LOCK, C. N. H., and H. C. H. TOWNSEND. Photographs of the flow round a model screw working in water, especially in the "vortex ring state."  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 355-359, ills.
- LOCK, C. N. H., H. C. H. TOWNSEND, and A. G. GADD. Wind-tunnel experiments on a symmetrical aerofoil (Göttingen 429 Section).  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 122-141, ills., diags., tabs.
- LOCK, C. N. H. See Glauert, H., and C. N. H. Lock: On the advantages of an open-jet type of wind tunnel for airscrew tests.
- LOCKHEED. The Lockheed "Air Express."  
Aviation, Vol. 24, No. 20 (May 14, 1928), New York, pp. 1370-1371, 1394, ill.
- The Lockheed Vega monoplane.  
The Aeroplane, Vol. 34, No. 16 (Apr. 18, 1928), London, p. 564, ill., diagr.
- Lockheed monoplanes.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, p. 590, ill.
- LOCKYER, C. E. W. See Garner, H. M., and C. E. W. Lockyer: The aerodynamics of a simple servo-rudder system.
- LO CURTO, LEONARDO. Caratteristiche di leghe leggere.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 362-379, ill.
- LOENING. The Loening Cabin Amphibian.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, pp. 592-593, diagr.  
Aviation, Vol. 24, No. 15 (Apr. 9, 1928), New York, pp. 888, 902-906, ill.  
Flight, Vol. 20, No. 23 (June 7, 1928), London, pp. 415-417, ill.
- The Loening OL-8 amphibian.  
The Aeroplane, Vol. 34, No. 3 (Jan. 18, 1928), London, pp. 74, 76, ill., diagr.
- La solution Loening du problème de l'amphibie.  
L'Aéronautique (L'Aérotechnique, 6me année, No. 62), 10me année, No. 105 (fév. 1928), Paris, pp. 39-40, ills.
- LOESER, OSCAR, jr. See Knight, Montgomery, and Oscar Loeser, jr.: Pressure distribution over a rectangular monoplane wing model up to 90° angle of attack.
- LOEW, GOTTFRIED. Contribution to the systematic investigation of Joukowski profiles.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 461, April 1928, Washington, pp. 9, ill.  
From "Zeitschrift für Flugtechnik und Motorluftschiffahrt" November 28, 1927.
- LONDON. London's new air-park.  
The Aeroplane, Vol. 35, No. 23 (Dec. 5, 1928), London, pp. 920, 922, ill.
- London's new airport.  
The Aeroplane, Vol. 34, No. 19 (May 9, 1928), London, pp. 658-664, ill.
- See Sprigg, T. Stanhope: The airport of London.
- "LONE EAGLE." The Ryan mechanics passenger monoplane.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 376, ill., diagr.
- Lone Eagle biplane.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, p. 924, ill.
- "LONE MOTH." Impressions of a transcontinental air race.  
The Aeroplane, Vol. 35, No. 15 (Oct. 10, 1928), London, pp. 616, 618.
- LONG BEACH. See Miller, A. A.: Municipal airport grows from 80 to 365 acres; Long Beach, Calif.



- LONNQUEST, THEODORE C. Aircraft instruments.  
Aviation, Vol. 25, No. 2 (July 9, 1928), New York, pp. 107, 129-134, ill.
- LORIN, R. A propos de l'auto-fusée.  
L'Aérophile, 36e année, Nos. 11-12 (1er-15 juin 1928) Paris, p. 168, ill.
- LORRAINE. Le nouveau moteur Lorraine a refroidissement par air.  
L'Aérophile, 36e année, Nos. 1-2 (1er-15 jan. 1928), Paris, p. 23, ill.
- See Amiot: L'avion Amiot 122-Lorraine du grand circuit africain.
- LOS ANGELES. Conventions held in Los Angeles.  
Aviation, Vol. 25, No. 13 (Sept. 2, 1928), New York, pp. 936, 955-962, ill.
- See Kunou, C. A.: First annual model airplane tournament of the Los Angeles city schools.
- LOUDEN, F. A. See Zahm, Albert Francis, R. H. Smith, and F. A. Loudon: Drag of C-class airship hulls of various fineness ratios.
- See Zahm, Albert Francis, R. H. Smith, and F. A. Loudon: Forces on elliptic cylinders in uniform air stream.
- LUBRICATION. Development of aircraft engine design and lubrication.  
Lubrication, Vol. 14, No. 7 (July 1928), Chicago, pp. 73-84, ill.
- See Bostoph, F. D.: A-M-L-O lubricating oil.
- See Boswell, R. O.: The theory of film lubrication.
- See Farman: Pompe Farman à engrenages.
- LUFTHANSA. Die in Deutschland zugelassenen Flugzeuge.  
Zeitscher. Ver. deutsch. Ing., Bd. 72, Nr. 13 (31 März 1928), Berlin, p. 450.
- Le trafic de la Lufthansa en 1927.  
L'Aéronautique, 10me année, No. 106 (mars 1928), Paris, p. 105, ill.
- LUKE, FRANK. See Hall, Norman Shannon: The balloon buster, Frank Luke of Arizona.
- LUNDBORG, EINAR. See Arnesen, Odd: "Italia"—tragedien på nært hold.
- LUNDE, OTTO H. The Handley-Page automatic slot.  
Aviation, Vol. 24, No. 9 (Feb. 27, 1928), New York, pp. 506-508, ill.
- LURAGHI, EUGENIO GIUSEPPE. Alcune cifre statistiche di aviazione commerciale (trasporto di passeggeri) e loro significato.  
Rivista Aeronautica, Anno 4, N. 4 (Aprile 1928) Roma, pp. 104-109, ills.
- Aviazione commerciale ed aviazione militare.  
Rivista Aeronautica, Anno 4, N. 10 (Ott. 1928), Roma, pp. 63-72.
- LUZZATI, ALDO. Le assicurazioni aeronautiche.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 518-521.
- LYON, A. J. Etching of aluminum alloy propellers.  
Aviation, Vol. 24, No. 21 (May 21, 1928), New York, pp. 1456-1457, 1475-1478, ill.
- LYONS, THOMAS E. Proper packing methods for export.  
Aviation, Vol. 25, No. 14 (Sept. 29, 1928), New York, pp. 1012-1013, 1046-1056, ill.
- LZ127. The first flight of LZ127.  
The Aeroplane, Vol. 35, No. 13 (Sept. 26, 1928), London, p. 552, ill.

## M

- MABIE, J. Miss Earhart sleeps on trip home as her shipmates gossip.  
Bookman, Vol. 68 (Oct. 1928), New York, pp. 256-sup. 33.
- MCALERY, C. M. The air defense of Great Britain command exercises.  
The Aeroplane, Vol. 35, No. 8 (Aug. 22, 1928), London, pp. 350-366.

- McALERY, C. M. The employment of flying-boats.  
The Aeroplane, Vol. 35, No. 24 (Dec. 12, 1928), London, p. 944.
- The first ten years.  
The Aeroplane, Vol. 34, No. 14 (April 4, 1928), London, pp. 472-486, ill.  
R. A. F.
- McAVOY, WILLIAM H. See Carroll, Thomas, and Wm. H. McAvoy: The formation of ice upon exposed parts of an airplane in flight.
- See Carroll, Thomas, and William H. McAvoy: The variation in pressures in the cockpit on an airplane in flight.
- McCLURE, IVOR. Object of flight.  
Flight, Vol. 20, No. 41 (Oct. 11, 1928), London, pp. 891-892, ill.
- Where trouble begins.  
Flight, Vol. 20, No. 23 (June 7, 1928), London, pp. 421-422, map.  
Emergency landings.
- McCONNELL, B. M. Story of sky-writing.  
St. Nicholas, Vol. 55 (April 1928), New York, pp. 439-441, ill.
- MACCRACKEN, WILLIAM P. jr. The advantages of selling the foreign markets.  
Aviation, Vol. 25, No. 14 (Sept. 29, 1928), New York, pp. 1008-1009, ill.
- Aviation progress.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 417, 612.
- Civil aeronautics in the silver anniversary.  
Aeronautic Review, Vol. 6, No. 8 (Aug. 1928), Washington, D. C., p. 120, port.
- Education in the development of aeronautics.  
Journal of the National Educational Association, 1928, Washington, pp. 813-815.
- MACCOLL, JOHN W. Aerodynamics of a spinning sphere.  
Journ. Roy. Aer. Soc., Vol. 32, No. 213 (Sept. 1928), London, pp. 777-798, ills.
- McGILL, K. U. The Byrd Antarctic expedition.  
Aeronautic Review, Vol. 6, No. 8 (Aug. 1928), Washington, D. C., pp. 121, 126.
- MACGILL, RONALD. Aerial number plates. Identification marks must be carried by all commercial aircraft.  
Airways, Vol. 4, No. 5 (Jan. 1928), London, pp. 173-174, ill.
- MACHER, MAX. Gite sopra le Alpi in pallone libero.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma 1928, pp. 406-409.
- McHUGH, F. D. Youth hankers to fly.  
Scient. Amer., Vol. 139 (Oct. 1928), New York, pp. 304-307, ill.
- McKAY, ROBERT J., and ROBERT WORTHINGTON. Use of monel metal and nickel in aircraft.  
Aviation, Vol. 25 No. 22 (Nov. 24, 1928), New York, pp. 1616-1619, 1642, 1644, ill.
- McLEAN, CHARLES. Aerial "war" at Langley Field.  
Aero Digest, Vol. 12, No. 6 (June, 1928), New York, pp. 928, 1056, 1058, ill.
- MACMILLAN, NORMAN. The art of flying. Foreword by Air Vice-Marshal Sir Sefton Brancker.  
London, Gerald Duckworth & Co., Ltd. [1928], pp. 159, ills.
- McREYNOLDS, CHARLES F. The aerial events at Mines Field.  
Aviation, Vol. 25, No. 13 (Sept. 22, 1928), New York, pp. 930-931, 949-954, ill.
- The Aero Corporation of California.  
Aviation, Vol. 25, No. 8 (Aug. 18, 1928), New York, pp. 533, 548-549, ill.
- Brown Mercury monoplane.  
Aviation, Vol. 24, No. 3 (Jan. 16, 1928), New York, pp. 142-144, ill.

- McREYNOLDS, CHARLES P. The California Aircraft Operators' Association.  
Aviation, Vol. 25, No. 20 (Nov. 10, 1928), New York, pp. 1484, 1514, 1516, ill.
- Clubs and schools in Southern California.  
Aviation, Vol. 25, No. 10 (Sept. 1, 1928), New York, pp. 696, 772-778, ill.
- Financing wholesale and retail sales.  
Aviation, Vol. 25, No. 21 (Nov. 17, 1928), New York, pp. 1558-1559, 1584, 1586, ill.
- The "Golden Eagle."  
Aviation, Vol. 25, No. 19 (Nov. 3, 1928), New York, pp. 1404-1405, 1442, 1444, ill.
- The Hallett aircraft engine.  
Aviation, Vol. 24, No. 21 (May 21, 1928), New York, pp. 1452, 1481-1482, ill.
- "The Lone Eagle."  
Aviation, Vol. 24, No. 8 (Feb. 20, 1928), New York, pp. 434-437, ill.
- The new Zenith "Z-6."  
Aviation, Vol. 25, No. 26 (Dec. 22, 1928), New York, pp. 2040, 2056-2060, ill.
- MADDALENA, UMBERTO. Crociera aerea in Russia e nord Europa. Ottobre 1927.  
Revista Aeronautica, Anno 4, N. 3 (Marzo 1928), Roma, pp. 506-517, ill.
- MADRID. See Meyer, Alex: Der achte internationale Kongress für Luftrecht in Madrid.
- MÄDER, MARTIN. Borgeräte im Verkehrsflugzeug.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 40 (6 Okt. 1928), Berlin, pp. 1426-1434, ill.  
L'Aerotechnica, Vol. 8, N. 6 (Giugno 1928), Anno 6, Pisa, pp. 374-384.
- MAGALDI, GIULIO. Aspetti costruttivi dei monoplane metallici.
- Compiti tecnici dei registri di classificazione degli aeromobili civili.  
L'Aerotechnica, Vol. 8, N. 11 (Nov. 1928), Anno 6, Pisa, pp. 864-884, ill.
- La navigazione aerea ed il lancio meccanico dei velivoli.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 380-397, ill.
- MAGNAN, A. See Huguenard, E., A. Magnan et A. Sainte-Laguë: Sur une détermination expérimentale de la polaire d'un avion et d'un oiseau en vol.
- MAGNESIUM. Mechanical properties of pure magnesium and certain magnesium alloys in the wrought condition. Report on work carried out to date by S. L. Archbutt, and J. W. Jenkin.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 808-820, diags.
- MAGRUDER, T. P. Aircraft carriers.  
Sat. Even. Post, Vol. 200 (June 23, 1928), Philadelphia, p. 25, ill.
- MAHAN, H. E. Lighting your airport.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, pp. 26-30, ill., diagr.
- MAHONEY-RYAN. Mahoney-Ryan monoplane.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, p. 934, ill.
- MAIDENS, A. L. See Batson, A. S., A. S. Halliday, and A. L. Maidens: The distribution of pressure over a monoplane and a biplane with wings of unequal chord and equal span.
- See Irving, H. B., A. S. Batson, and A. L. Maidens: Model experiments with rear slots and flaps on aerofoils R. A. F. 31 and R. A. F. 26.
- MAIL. Aerial postman in flooded Vermont.  
Literary Digest, Vol. 97 (April 7, 1928), New York, pp. 65-66.
- Air mail to Dutch East Indies.  
Flight, Vol. 20, No. 44 (Nov. 1, 1928), London, p. 950, ill.



- MAIL.** Air speed for correspondence.  
Magazine of Business, Vol. 54 (Oct. 1928), Chicago, p. 372, ill.
- An American air mail route.  
The Aeroplane, Vol. 34, No. 10 (Mar. 7, 1928), London, pp. 334-335, ill., diagr.
- How the air mail saves money for the banks.  
Literary Digest, Vol. 98 (July 1928), New York, pp. 57-58.
- Un nouveau système de transport postal.  
L'Aérophile, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, pp. 74-75, ill.
- Pitcairn ready for air mail operation.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 184, ill.
- De postvluchten naar Indie.  
Het Vliegveld, 12de Jaarg., No. 10 (Oct. 1928), Amsterdam, pp. 278-281, ill.
- Pratt and Whitney engines in Boeing mail service.  
Aviation, Vol. 24, No. 6 (Feb. 6, 1928), New York, pp. 323-324, 337, ill., map.
- The start of a great adventure. The Amsterdam-Batavia air mail service.  
Flight, Vol. 20, No. 38 (Sept. 20, 1928), London, p. 796, ill.
- Wings across the borders.  
Literary Digest, Vol. 99 (Oct. 20, 1928), New York, p. 15, map.
- See Bearley, Norman: Air mail and transport in Australia.
- See Bouché, Henri: Sur les lignes de l'aéropostale.
- See Braniff, P.: Westbound mail.
- See Dawidoff, A.: Luftpost und Luftverkehr.
- See Hill, R. M.: Experiences on the Cairo-Baghdad air mail.
- See Hydravion: De luchtpostdienst Frankrijk-Zuid Amerika.
- See India: Essais sur la ligne postale des Indes.
- See New, Harry S.: Statement of Postmaster General Harry S. New, covering achievements and concrete results which have marked the [air mail] service.
- See Thatcher, Maurice H.: Speech in House Feb. 10, 1928, concerning aviation in the Post Office Department, including a list of the present air-mail routes.
- See Watson, Henry W.: Speech in House, Jan. 12, 1928, on postal air service to South America.
- “MAILWING.” The “Super-Mailwing.”  
Aviation, Vol. 25, No. 9 (Aug. 25, 1928), New York, pp. 593, 614-616, ill.
- MAITLAND, L. J.** Knights of the air.  
World's Work, Vols. 56-57 (Aug.-Dec. 1928), New York, pp. 374-387, 512-527, 626-638, 88-103, 202-219, ill.  
Review of Reviews, Vol. 78 (Dec. 1928), New York, pp. 641-643.
- MANGOLD, W. P.** Will Americans learn to fly?  
Nation, Vol. 126 (Jan. 25, 1928), New York, pp. 93-94, map.
- MANKEY, W. A.** Lindbergh's new Ryan Brougham.  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, pp. 764, 768, ill.
- MANNING, W. O.** Is the ornithopter possible?  
Airways, Vol. 4, No. 11 (July 1928), London, pp. 397-398, ill.
- MAPS.** See Kahn, Louis: Nouvelles cartes aériennes.

- MARABINI. Tout pour l'aviation.  
Paris, Maison Marabini aviation [1928], pp. 400, ills.
- MARCOTTE, EDMOND. Le balisage lumineux.  
La Nature, No. 2798 (1er déc. 1928), Paris, pp. 484-492, ill.
- MARGHERI, ALBERTO. Intorno al recente IV Congresso Internazionale di Navigazione Aerea.  
Rivista Aeronautica, Anno 4, N. 2 (Feb. 1928), Roma, pp. 303-308.
- MARGOULIS, W. Applications de la théorie tourbillonnaire des hélices propulsives de Joukowski.  
La Technique Aéronautique, 19e année, No. 85 (15 nov. 1928), Paris, pp. 174-185, diags.
- MARINO, ALGERI. Sugli impianti elettrici a bordo degli aeroplani.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 398-410, ill.
- MARKINGS. Is your city air-marked?  
Magazine of Business, Vol. 53 (Feb. 1928), Chicago, pp. 172-173, ill.
- See Ford, Arthur S.: Marking our airports and airways.
- See Macgill, Ronald: Aerial number plates.
- MARQUES, R. J. DE. Die diesjährige Pariser Luftfahrtaustellung.  
Flug-Woche, 10. Jahrg., Heft 5-6, 1928, Berlin, pp. 136-140, ills.
- Le vol sans visibilité extérieure. Une leçon de "vol aveugle" a l'aérodrome Farman.  
L'Aéronautique, 10me année, No. 112 (sept. 1928), Paris, pp. 303-305, ills.
- MARSEILLE-ALGER. Ligne aérienne Marseille-Alger.  
La Nature, No. 2796 (1er nov. 1928), Paris, p. 424.
- MARSH, W. LOCKWOOD. The A. B. C. of flying.  
London, John Hamilton, Ltd., pp. 128.
- The first British airman.  
Flight, Vol. 20, No. 23 (June 7, 1928), London, pp. 417-418, ill.  
Alliott Verdon Roe.
- Research on the control of aeroplanes.  
Nature, Vol. 121, No. 3059 (June 16, 1928), London, pp. 939-940.
- The story of flight. IX.—A chronological record of the history of aviation.  
Airways, Vol. 4, Nos. 5-9 (Jan.-May 1928), London, pp. 186, 224, 263, 337.
- MARTIN, BRIAN L. Steel spars.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 458, April 1928, Washington, pp. 14, ill.  
From "The Gloster," September-December, 1927.
- MARTIN, HANS. Herinneringen aan de gebroeders Wright.  
Het Vliegfeld, 12de Jaarg., No. 11 (Nov. 1928), Amsterdam, pp. 317-319, ills., ports.
- MARTIN, R. C. Finishing modern aircraft.  
Chemical and Metallurgical Engineering, Vol. 35, No. 7 (July 1928), New York, pp. 404-405, ill.
- MARTINELLI, GIUSEPPE, e FRANCESCO CASTRIOTA. I bollettini meteorici quotidiani e le esigenze dell' aviazione.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 142-146.
- MARTINEZ DE CAMPOS Y SERRANO, C., y M. MILLE Y GARCIA DE LOS REYES. Nociones de arte militar aéreo.  
Madrid, Espasa-Calpe, Rios Rosas, 24, 1928, pp. 333, ill.

- MARTINOT-LAGARDE. Les groupes moteurs.  
L'Aérophile, XIe Salon de l'aéronautique, 29 juin-15 juil. 1928, Paris, p. 51.  
L'Aérophile, 36e anné, Nos. 13-14 (1er-15 juil. 1928), Paris, pp. 200-208, ills.
- MARTINOT-LAGARDE, C. La construction des moteurs d'aviation en France.  
L'Aéronautique, 10me année, No. 110 (juil. 1928), Paris, pp. 227-245, ills.
- MARTINOZZI, LEONARDO. Per un atlante di nubi fotografate dal velivolo.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 147-150.
- MARTUCCI, MARIO. Impressioni sulla XI Mostra aeronautica di Parigi.  
Rivista Aeronautica, Anno 4, N. 10 (Ott. 1928), Roma, pp. 39-50, ill.
- MARULLI, ALBERTO. Sull'eritrocitosi da aria rarefatta.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 582-587.
- MASON, W., and N. P. INGLIS. The distribution of stress and strain in the Wöhler rotating cantilever fatigue test.  
Aeronautics, Techn. Rep. Aer. Res. Comm., 1927-28, Vol. 2, London, 1928, pp. 686-725, ills., diags., tabs.
- MASTROMATTEO, V. Sull'applicazione del metodo dell'allungamento virtuale alla determinazione delle caratteristiche del propulsore.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 151-194, ills., diags., tabs.
- MASTROSANTI, REMO. Il problema del salvataggio aereo attraverso i secoli e la sua odierna risoluzione.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 411-424, ill.
- See Great Britain: Baustoffe der englischen Luftschiffe.
- MATERIALS. The "Metallisation" of materials.  
Flight, Vol. 20, No. 5 (Feb. 2, 1928), London, p. 67.
- See Brenner, Paul: Dynamische Festigkeit von Flugzeug-Konstruktionsteilen.
- See Kahn, L. L.: Stressed coverings in naval and aeronautic construction.
- See Wolff, E. B., and L. J. G. Van Ewijk: Mechanical properties of some materials used in airplane construction.
- MATSUMOTO, M., K. TANAKA, and I. TERAZAWA. Physiological test and physiological experiments tried on Mt. Huzi.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 588-594.
- MATTHIAS, J. Unsere Flieger erzählen.  
Berlin, Volkmann.
- MAUGERI, FRANCO. L'attacco aereo contro navi.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 489-495.
- Impiego dell'aviazione pesante nella battaglia navale.  
Rivista Aeronautica, Anno 4, N. 4 (Aprile 1928), Roma, pp. 85-93.
- MAYBACH. Maybach.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, p. 265, ill.
- MAYER, FRITZ H. Ein Dreikomponenten-Beschleunigungsmesser für Luftfahrzeuge.  
Flug-Woche, 10. Jahrg., Heft 2, 1928, Berlin, pp. 45-47, ills.
- MEAD, GEORGE J. The "Wasp" series "B" engine.  
Aviation, Vol. 24, No. 24 (June 11, 1928), New York, pp. 1678-1679, 1703-1704, ill., diagr.



- MECOZZI, AMEDEO.** Il fante e l'aviarmata.  
Rivista Aeronautica, Anno 4, N. 11 (Nov. 1928), Roma, pp. 264-275.
- MEDICINE.** Les avions chirurgicaux.  
L'Œrophile, 36e année, Nos. 1-2 (1er-15 jan. 1928), Paris, p. xviii, xill.
- Medical examiners for pilot's license.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 80.
- Physiology of flying.  
Literary Digest, Vol. 99 (Oct. 13, 1928), New York, pp. 84-85.
- See Accordinti, Vincenzo: Importanza del senso di movimento rotatorio in aviazione. Esperienze su sordomuti.
- See Aliotta, Bruno: Gli accidenti aviatori. Fisiologia e igiene dell'aviatore.
- See Anastasiu, Victor: Contribution à l'étude de la tension artérielle chez les aviateurs.
- See Baduel, Cesare: L'aviazione nel soccorso e l'opera delle Croci Rosse.
- See Casagrandi, Carmelita: Difesa antimalarica dopo atterraggio di sferici in zona paludosa a forte carica anofelica.
- See Casagrandi, Oddo: Latenza e riviviscenza, dopo il volo, di forme malariche, luetiche, tubercolari, spirochetiche, dimostrabili per mezzo della labilità serica o plasmica.
- See Catarzi, Ottorino: Sulle ragioni psicopatologiche della estreme rarità delle sindromi neurotiche nei piloti dell'aviazione.
- See Charlet, Robert: Le premier Congrès International de l'Aviation Sanitaire.
- See Herlitzka, Amedio: L'opera del medico per il progresso dell'aviazione.
- See Midulla, Carmelo: Può un grave trauma per incidente aviatorio determinare in un pilota una forma grave di anemia?
- See Parodi, Felice: La valutazione del senso muscolare negli aviatori.
- See Pastore, Francesco: La percezione della profondità e suoi fattori.
- See Pilots: Medical examinations.
- See Talenti, Cesare: Influenza delle luci colorate sull'adattamento retinico.
- See Tilmant, A.: L'aviation sanitaire.
- See United States Department of Commerce: Physical standards for airplane pilots. Revised August 1, 1928.
- See Von Scroetter, Hermann: Punti di vista rispetto all'igiene dell'aviatore.
- MEDITERRANEAN.** La crociera aerea mediterranea.  
Rivista Aeronautica, Anno 4, N. 7 (Luglio 1928), Roma, pp. 4-40, ill.
- See Eredia, Filippo: Il servizio meteorologico ed aerologico durante la crociera aerea mediterranea.
- See Naef, Ernest: L'aviation commerciale dans la méditerranée.
- MEETS.** Our first air meet—1910.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 468, 470.
- MEINERI, L.** See Talenti, C., e L. Meineri: Studi sopra la determinazione del "visus" in rapporto all'adattamento retinico albuio, con riguardo alla scelta del personale aero-navigante.

- MEISSNER, H. G. Eine interessante Reichsgerichtsentscheidung zum Luftverkehrs-gesetz.  
Der Luftweg, Heft 9, Jahrg. 1928, (10. Mai 1928), Berlin-München, pp. 92-93.
- MEISTER, LOUIS G. The Buhl special airdan.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, p. 456, ill.
- MELLINI, ENRICO. La navigazione aerea civile in rapporto ai trasporti ferroviari e postali.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 283-286.
- MEMMO, DINO. Il problema delle sonde aeree.  
L'Aerotechnica, Vol. 8, N. 11 (Nov. 1928), Anno 6, Pisa, pp. 914-934, ills.
- Sul rifornimento aereo di zavorra a bordo dei dirigibili.  
L'Aerotechnica, Vol. 8, N. 7 (Luglio 1928), Anno 6, Pisa, pp. 470-495, ill.
- MENASCO-SALMSON. The superposed Menasco-Salmson aircraft engine.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, pp. 576-578, ill., diagr.
- MENDAILLE, DANIEL. À propos de films d'aviation.  
L'Aérophile, 36e année, Nos. 23-24 (1er-15 déc. 1928), Paris, pp. 357-359, ill.
- MERCIER. Le dirigeable transatlantique.  
L'Aérophile, 36e année, Nos. 21-22 (1er-15 nov. 1928), Paris, pp. 331-332, ill.
- MERRILL. Merrill airplane.  
Science n. s., Vol. 68, suppl. 10 (Sept. 21, 1928), Garrison, N. Y.  
Literary Digest, Vol. 99 (Oct. 13, 1928), New York, p. 76, ill.
- MESSAGES. See Koepke, C.: Sur l'utilisation des appareils lance-messages et lance-fusées Künzer.
- MESSTER, OSKAR. Ortsbestimmungen in der Luft.  
Der Luftweg, Heft 7, Jahrg. 1928 (10. April 1928), Berlin, München, pp. 65-66.
- METAL construction. Armstrong-Whitworth metal construction.  
Flight, Vol. 20, No. 52 (Dec. 27, 1928), London, pp. 1083-1089, ill.
- See Lefranc, Jean-Abel: Avions métalliques modernes. Les avions "Avimeta Lepère."
- See Magaldi, Giulio: Aspetti costruttivi dei monoplani metallici.
- See Schroter, B. E.: Aus den Anfängen des Ganzmetallflugzeugbaues.
- See Seaplanes: Metal hulls.
- See Short: The Short "Calcutta." First British all-metal commercial seaplane.
- See Tapinassi, Carlo: La costruzione metallica degli aeroplani.
- METAL propellers. See Weick, Fred E.: Full-scale tests on a thin metal propeller at various tip speeds.
- See Younger, J. E.: Preliminary study of fatigue failures of metal propellers caused by engine impulses and vibrations.
- METAL spars. See Friel, E. C.: Design of trussed metal spars for single-bay airplanes.
- See Niles, A. S., jr., and E. C. Friel: Progress reports on experimental metal spars.
- See Niles, A. S.: jr., Tests on 6¼-inch metal spars. Appendix I. Logs of tests on 6¼-inch spars. Appendix II. Requirements for experimental metal spars for pursuit and observation loadings.

## METALS. Corrosion des métaux.

- La Nature, No. 2799 (15 déc. 1928), Paris, p. 569.
- “Hyb-lum” aluminum alloy.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 444, 446.
- “Laboratory” light alloys and their production commercially.  
Flight, Vol. 20, No. 25 (June 21, 1928), London, pp. 470-471, ill.
- Preventing wear and corrosion.  
The Aeroplane, Vol. 34, No. 16 (Apr. 18, 1928), London, pp. 568-570.
- See Brenner, Paul: Die Leichtmetalle im Flugzeugbau.
- See Corelli, M. R.: La fragilità dei metalli impiegati nelle costruzioni aeronautiche a caldo e a freddo.
- See Grard, C.: Alliages légers et ultra-légers dans la zone thermique de travail du matériel d'aviation.
- See Haus, Fr.: Considérations sur les métaux légers.
- See Lehmann, G. D.: The variation in the fatigue strength of metals when tested in the presence of different liquids.
- See Lo Curto, Leonardo: Caratteristiche di leghe leggere.
- See McKay, Robert J., and Robert Worthington: Use of monel and nickel in aircraft.
- See Montelucci, Giuliano: Sulla protezione del ferro mediante cadmio.— Impiego dell'eutettico cadmio-zinco per il rivestimento dei fili di acciaio per cavi ad alta resistenza.
- See Petersen, Peter: Das Schweißen von Duralumin im Flugzeugbau.
- See Rawdon, H. S.: Duralumin for airplane use.
- See Rawdon, H. S.: Protection of duralumin against embrittlement.
- See Schroeder, A.: Gütezahlen und Elastizitätsgrenzen bei Leichtmetallen.
- See Schwarz, M. v.: Neue selbstveredelnde Aluminium-Gusslegierungen mit hoher Elastizitätsgrenze.
- See Schwarz, M. v.: Untersuchungsergebnisse der Röntgendurchleuchtung von Aluminiumkolben und anderen Leichtmetall-Gussstücken.

## METEOROGRAPH. See Eredia, Filippo: I meteorografi negli aeroplani.

## METEOROLOGY. Can flyers conquer thunderbolts?

- Pop. Mech., Vol. 50 (Oct. 1928), Chicago, pp. 536-541, ill.
- Les conditions météorologiques des plus fameux vols transatlantiques.  
L'Aéronautique (L'Aérotechnique, 6me année, No. 62), 10me année, No. 105 (fév. 1928), Paris, pp. 48-49, maps.
- How the weather man outreaches the airplane, sounding balloon and the pilot balloon.  
Scient. Amer., Vol. 139 (July 1928), New York, p. 41, ill.
- Keeping tabs on ocean weather to tip off ambitious flyers.  
Literary Digest, Vol. 98 (July 21, 1928), New York, pp. 52-55.
- L'organisation radiométéorologique des océans.  
L'Aérophile, 36e année, Nos. 11-12 (1er-15 juin 1928), Paris, p. 170.
- Sull'utilità dei punti a delle linee di convergenza e di divergenza nella previsione del tempo.  
Rivista Aeronautica, Anno 4, N. 3 (Marzo 1928), Roma, pp. 574-583, ills.



- METEOROLOGY.** *See* Baldit, A.: Les routes aériennes de l'Atlantique: Aperçu météorologique.
- *See* Blair, William R.: Meteorology for aviation.
- *See* Borriello, Luisa: La circolazione atmosferica sull'Africa meridionale.
- *See* Borriello, Luisa, e Raoul Bilancini: Primi profili di un portolano meteoroaerologico.
- *See* Byers, Horace R.: Ground weather signals.
- *See* Byers, Horace R.: The Guggenheim airway meteorological service.
- *See* Camiciotti, Dante: Le stazioni aerologiche sperimentali.
- *See* Crestani, Giuseppe: Contributo richiesto agli aeronauti nello studio delle nubi.
- *See* Crestani, Giuseppe: Le sezione meteorologica del R. Magistrato alle Acque.
- *See* Duncan, Richard: Air navigation and meteorology.
- *See* Elliot, G.: Riduzione al mare, mediante procedimenti grafico-mecanici, della pressione atmosferica.
- *See* Eredia, Filippo: Distribuzione dell'umidità nell'atmosfera.
- *See* Eredia, Filippo: L'esplorazione dell'atmosfera a mezzo di cervi volanti e di sferici.
- *See* Eredia, Filippo: Il servizio meteorologico ed aerologico durante la crociera aerea mediterranea.
- *See* Georgii, Walter: Die meteorologischen Grundlagen des transatlantischen Luftverkehrs.
- *See* Great Britain: Annual report of the Director of the Meteorological Office presented by the Meteorological Committee to the Air Council for the year ended 31st March, 1928.
- *See* Great Britain: Annual report of the Meteorological Committee to the Air Council for the year ended 31st March, 1927.
- *See* Gregg, Willis Ray: Aeronautical meteorology.
- *See* Labouchère, René: Du vol dans le brouillard.
- *See* Linke, F.: Luftströmungen über Bergrücken.
- *See* Martinelli, Giuseppe, e Francesco Castriota: I bollettini meteorici quotidiani e le esigenze dell'aviazione.
- *See* Pericle, Gamba: L'aeroplano in aereologia.
- *See* Terada, Torahiko, Mituo Tamando and Kôki Nisida: On gustiness of winds.
- *See* Townsend, E. J. D.: Some notes on temperature gradients in Iraq.
- *See* Wenk, F.: Die Vertikalströmungen der Atmosphäre und der Flug.
- MEXICO.** Discursos pronunciados en la sesion solemne efectuada por la Cámara de diputados en honor del aviador norte-americano coronel Charles A. Lindbergh . . . 15 de diciembre de 1927.  
Mexico, D. F., Imprenta de la Cámara de diputados, 1928, pp. 8.
- **Mexican military aviation.**  
The Aeroplane, Vol. 34, No. 9 (Feb. 29, 1928), London, p. 272.

- MEYER, ALEX. Der achte Internationale Kongress für Luftrecht in Madrid.  
Der Luftweg, Heft 12, Jahrg. 1928 (25. Juni 1928), Berlin, München, pp. 136-137.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 14 (28. Juli 1928), München und Berlin, p. 313.
- Empfiehlt sich die internationale Einführung einer obligatorischen  
Haftpflichtversicherung des Halters von Luftfahrzeugen.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 8 (28. April 1928), München und Berlin,  
pp. 169-171.
- MEYER, KD. Die Deutsche Versuchsanstalt für Luftfahrt auf der "Ila."  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23 u. 24 (20. Dez. 1928), München und Berlin,  
pp. 564-570, ill.
- MEYER WILLY. Das Luftrecht im Weltkrieg. (Veröffentlichungen des parla-  
mentarischen Untersuchungsausschusses.)  
Der Luftweg, Heft 6, Jahrg. 1928 (25. März 1928), Berlin, München, pp. 51-53.
- MIDLAND. The Midland air pageant.  
Flight, Vol. 20, No. 24 (June 14, 1928), London, pp. 441-446, ill.
- MIDULLA, CARMELO. Può un grave trauma per incidente aviatorio determinare  
in un pilota una forma grave di anemia?  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma,  
1928, pp. 395-602.
- MILARCH. Formeln für die Meridianlinie eines Luftschiffkörpers.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 11 (14. Juni 1928), München und Berlin,  
pp. 249-251.
- MILBURN, LESSITER C. The Martin "Eureka" section.  
Aviation, Vol. 24, No. 6 (Feb. 6, 1928), New York, pp. 321-322, 336, ill.
- MILCH, ERHARD. Einige technische Fragen des Luftverkehrs.  
Flugwoche, 10. Jahrg., Heft 8, 1928, Berlin, pp. 200-201.
- MILES, R. H. City and federal governments cooperate in creating extensive  
airport, San Diego, Calif.  
American City, Vol. 38 (Feb. 1928), New York, p. 143, ill.
- MILITARY aeronautics. The air defense of our coasts.  
Aero Digest, Vol. 12, No. 4 (April, 1928), New York, pp. 524, 700.
- Aircraft in small wars.  
The Aeroplane, Vol. 34, No. 6 (Feb. 8, 1928), London, pp. 170, 172, ill.
- British air manoeuvres.  
Living Age, Vol. 335 (Oct. 1928), Boston, pp. 126-127, ill.
- Chemical warfare from the air.  
The Aeroplane, Vol. 34, No. 8 (Feb. 22, 1928), London, p. 242.
- Dog fighters of the air.  
Pop. Mech., Vol. 50 (Sept. 1928), Chicago, pp. 434-439, ill.
- Ground transport for air organization.  
Flight, Vol. 20, No. 6 (Feb. 9, 1928), London, pp. 79-80.
- Growing wings for the army.  
Pop. Mech., Vol. 50 (Oct. 1928), Chicago, pp. 642-647, ill.
- London's doom in the air.  
Literary Digest, Vol. 98 (Sept. 8, 1928), New York, p. 9, ill.
- Manuel du gradé de D. C. A. (Défense contre aéronefs.)  
Paris, Publié par Ch. Lavauzelle et Cie.
- R. A. F. single-seat fighters in 1918 and in 1928.  
The Aeroplane, Vol. 34, No. 14 (April 4, 1928), London, pp. 491e-491d, ill.
- See Ajmone-Cat., Mario: Ancora sull'osservazione aerea per artiglieria.

- MILITARY aeronautics. *See* Ajmone-Cat.' Mario: Ultima replica in tema di aviazione per artiglieria.
- *See* Albanese, Angiolino: Circa il disciplinamento delle ostilità aeree.
- *See* Attal, Salvatore: La difesa aerea territoriale.
- *See* Beltrami, Gian Mario: Obiettivi e organizzazione di comando nella guerra aerea.
- *See* Bombs: Costruzione ed efficacia delle bombe aeree.
- *See* Boothby, F. L. M.: The military value of airships.
- *See* Bumpus, F. A.: The development of torpedo-carrying aircraft.
- *See* Castagna, Gian Giacomo: L'aviazione d'artiglieria.
- *See* Castagna, Gian Giacomo: Replica in tema d'aviazione d'artiglieria.
- *See* Castagna, Gian Giacomo: Seconda replica in tema d'aviazione d'artiglieria.
- *See* Coop, Ernesto: Circostanze della guerra aerea, e tendenze che possono rilevarsi nella evoluzione dei tipi di apparecchi.
- *See* Coop, Ernesto: Considerazioni sulla evoluzione dei modi della guerra aerea, per l' avvento dell' apparecchio da battaglia.
- *See* Coop, Ernesto: Considerazioni sull' importanza dell' arma aerea.
- *See* Douhet, Giulio: Ancora per l' armata aerea.
- *See* Douhet, Giulio: Caccia, combattimento, battaglia.
- *See* Douhet, Giulio: Controffensiva.
- *See* Douhet, Giulio: Divagazioni sul problema integrale della guerra.
- *See* Douhet, Giulio: Per l' arte della guerra aerea.
- *See* Douhet, Giulio: Probabili aspetti della guerra futura.
- *See* Germany: Le formazioni nel combattimento aereo.
- *See* Italy: L' uso pratico del nuovo telo da tenda.
- *See* Lademann, R. E.: Gasluftkrieg.
- *See* Lega, Vittorio: La fortificazione permanente e l' offesa aerea.
- *See* Luraghi, E. G.: Aviazione commerciale ed aviazione militare.
- *See* Martínez de Campos y Serrano, C., y M. Milley García de los Reyes: Nociones de arte militar aéreo.
- *See* Maugeri, Franco: L' attacco aereo contro navi.
- *See* Moizo, Riccardo: Considerazioni sulla guerra aerea in relazione alla guerra di superficie.
- *See* Niessel, A.: L'aviation militaire. L'aéronautique en temps de guerre.
- *See* R. V.: Avions contre cuirassés.
- *See* Royse, Morton William: Aerial bombardment and the international regulation of warfare.
- *See* Sandiford, Roberto: Aviazione e blocco marittimo.
- *See* Sueter, Murray Fraser: Airmen or Noahs. Fair play for our airmen. The great "Neon" air myth exposed.



- MILITARY aeronautics. *See* Targa, Spartaco: Riflessioni sul "Problema integrale della guerra."
- *See* United States: L' armamento degli aeroplani.
- *See* Vece, F.: Il valore tattico delle formazioni nel bombardamento aereo.
- MILL, HUGH ROBERT. Obituary Roald Amundsen.  
Nature, Vol. 122, No. 3075 (Oct. 6, 1928), London, pp. 514-516, 545.
- MILLE, MATEO. *See* Campo, Carlos Martinez, y Mateo Mille: Arte militar aérea.
- MILLE Y GARCIA DE LOS REYES, M. *See* Martínez de Campos y Serrano, C., y M. Mille y García de los Reyes: Nociones de arte militar aéreo.
- MILLER, A. A. Municipal airport grows from 80 to 365 acres; Long Beach, Calif.  
American City, Vol. 38 (April 1928), New York, p. 144, ill.
- MILLER, EDWARD M. Airplane spruce.  
Aviation, Vol. 24, No. 19 (May 7, 1928), New York, pp. 1298, 1321-1323, ill.
- MILLER, J. E. America spreads its wings.  
Pop. Mech., Vol. 49 (May 1928), Chicago, pp. 722-731, ill.
- Learning to fly.  
Pop. Mech., Vol. 50 (Sept.-Oct. 1928), Chicago, pp. 466-472, 610-616, ill., diagr.
- Man-made wings change world's face.  
Pop. Mech., Vol. 49 (Feb. 1928), Chicago, pp. 235-238, ill.
- Mystery of port of missing planes solved?  
Pop. Mech., Vol. 49 (Mar. 1928), Chicago, pp. 360-363, ill.  
Safety devices.
- MILLER, LESLIE C. New life for the old OX5.  
Aviation, Vol. 24, No. 8 (Feb. 20, 1928), New York, pp. 444-445, ill.
- MILLER, ROY A. *See* Robillard, Robert E., and Roy A. Miller: Full scale tests of the semirigid airship RS-1.
- MILLER, W. B. Welding of high chromium steels.  
National Advisory Committee for Aeronautics, Technical Notes No. 290, Washington, June 1928, pp. 13.
- MILNER, H. L. Variable pitch propellers.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 459, April 1928, Washington, pp. 12, ill., diagrs.  
From "The Gloster," September-December, 1927.
- MINGOS, HOWARD. Story of the Zeppelins.  
World's Work, Vol. 57 (Nov. 1928), New York, pp. 37-46, ill.
- Thus man learned to fly; story of the Wright brothers and the airplane.  
Sat. Even. Post, Vol. 201 (July 7-14, 1928), Philadelphia, pp. 10-11, 18-19, ill.
- *See* Lehmann, Ernst A., and Howard Mingos: The Zeppelins.
- MINORSKY, N. Mesure de la vitesse d' un aéronef par rapport au sol en l'absence supposée de tout repère extérieur.  
L'Aéronautique (L'Aérotechnique, 6e année, No. 70 (oct. 1928), Paris, pp. 353-354.
- MIOCHE, R. Nouveaux dispositifs de balisage des routes aériennes.  
L'Aéronautique, 10me année, No. 115 (déc. 1928), Paris, pp. 409-413, ill.
- Le pilotage semi-automatique des avions.  
L'Aéronautique, 10me année, No. 108 (mai 1928), Paris, pp. 155-158, ill.
- MIRGEUT, HENRI. Un épurateur d'air pour moteurs d'avions "Le Filtrair."  
L'Aérophile, 36e année, Nos. 13-14 (1er-15 juil. 1928), Paris, p. xix, ill.

- MITCHELL, R. J., P. A. RALLI, and G. S. WILKINSON. Quelques détails complémentaires sur les hydravions anglais de la coupe Schneider 1927; les appareils par R. J. Mitchell; les hélices par P. A. Ralli; les moteurs par G. S. Wilkinson.  
L'Aérophile, 36e année, Nos. 3-4 (1er-15 fév. 1928), Paris, pp. 55-58, ills., diags.
- MITCHELL, R. J. Schneider trophy machine design, 1927.  
Journ. Roy. Aer. Soc., Vol. 32, No. 213 (Sept. 1928), London, pp. 744-762, ills., tabs
- MITCHELL, W. Look out below!  
Collier's Vol. 81 (April 21, 1928), New York, pp. 8-9, ill.
- Russian aeronautics.  
Forum, Vol. 80 (July 1928), New York, pp. 107-111.
- MITTELHOLZER, GOUZY et HEIM. R. A. S. T., le raid aérien suisse-transafricain au-dessus du continent noir.  
Neuchâtel, édition de la Baconnière.
- MIXSON, R. E. See Crowley, J. W., jr., and R. E. Mixson: Characteristics of five propellers in flight.
- MOCK, RICHARD M. Airplane construction and welding.  
Acetylene Journal, Vol. 29, No. 7 (Jan. 1928), Chicago, pp. 284-289, ill.
- The Bellanca Sesquiplane.  
Aviation, Vol. 24, No. 24 (June 11, 1928), New York, pp. 1674-1675, 1704-1709, ill.
- The Curtiss "Fledgling."  
Aviation, Vol. 24, No. 15 (Apr. 9, 1928), New York, pp. 886-887, 907-909, ill., diagr.
- Gliding and soaring flight.  
Aviation, Vol. 25, No. 15 (Oct. 6, 1928), New York, pp. 1092-1093, 1130-1136, ill.
- Engine exhaust silencers.  
Aviation, Vol. 24, No. 25 (June 18, 1928), New York, pp. 1762-1763, 1794-1798, ill.
- The new Bellanca monoplane.  
Aviation, Vol. 24, No. 4 (Jan. 23, 1928), New York, pp. 194-197, ill.
- 1927 commercial production.  
Aviation, Vol. 24, No. 1 (Jan. 2, 1928), New York, pp. 35-40, ill.
- MODELS. A realistic model aeroplane.  
Flight, Vol. 20, No. 50 (Dec. 13, 1928), London, pp. 1057-1058, ill., diagr.
- Course in airplane-model construction.  
Elementary School Journal, Vol. 28 (May 1928), Chicago, pp. 647-648.
- How little Lindberghs test their wings.  
Literary Digest, Vol. 99 (Oct. 13, 1928), New York, pp. 72-74, ill.
- Indoor model tractor plane.  
Scient. Amer., Vol. 138 (Jan. 1928), New York, pp. 67-68, diagr.
- Model plane that runs on compressed air.  
Scient. Amer., Vol. 138 (May, 1928), New York, pp. 458-460, ill., diagr.
- National model contests.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 232-233, ill.
- Outdoor tractor model airplane.  
Scient. Amer., Vol. 138 (Mar. 1928), New York, pp. 266-267, ill., diagr.
- Scale and hydro model airplanes.  
Scient. Amer., Vol. 138 (April 1928), New York, pp. 360-361, ill.
- Second national miniature airplane tournament.  
Playground, Vol. 22 (April 1928), New York, pp. 19-20, ill.

- MODELS. Second national playground miniature aircraft tournament.  
Playground, Vol. 22 (Dec. 1928), New York, pp. 493-494.
- Twin-propeller indoor pusher type model airplane.  
Scient. Amer., Vol. 138 (Feb. 1928), New York, pp. 166-168, diagr.
- See Allen, Elmer L.: Model airplanes; how to build and fly them.
- See Garber, Paul Edward: Building and flying model aircraft.
- See Hamburg, Merrill: Beginning to fly; the book of model airplanes, with an introduction by Commander Richard E. Byrd.
- See Lippisch, A.: Versuche mit neuartigen Flugzeugtypen.
- MÖLLER, W. Askania-Flugzeug-Kompass.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 271-273, ill.
- Der Flugmotor. Teil II. Konstruktion.  
Berlin, Verlag C. J. E. Volkman, 1928, pp. 68.
- MOES, M. C. De automatisch werkende Handley-Page spleetvleugel.  
Het Vliegveld, 12de Jaarg., No. 8 (Aug. 1928), Amsterdam, pp. 223-226, ill.
- Het luchtverkeer met en in Indië. Zeevliegtuigen of landvliegtuigen?  
Het Vliegveld, 12de Jaarg., No. 2 (Feb. 1928), Amsterdam, pp. 47-49, ill.
- MOWE. See Focke-Wulf: Focke-Wulf A 17 commercial airplane "Möwe" (German).
- MOFFETT, WILLIAM A. The annual report of the Bureau of Aeronautics.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, pp. 9, 120-125, ill.
- MOHAWK. The Mohawk monoplane.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 366, ill.
- The Mohawk "Pinto."  
Flight, Vol. 20, No. 4 (Jan. 26, 1928), London, pp. 55-56.
- MOIZO, RICCARDO. Considerazioni sulla guerra aerea in relazione alla guerra di superficie.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 439-450.
- MOKRZYCKI. Détermination des caractéristiques d'un avion en vol basée sur la consommation d'essence.  
C. R. Acad. Sci., T. 187, No. 17 (22 oct. 1928), Paris, pp. 710-712.
- MOLAS. See Ferry, R. Ruiz: Ascensión del comandante Molas en el "Hispania."
- MONEL metal. See Bradfield, F. B.: Wind-tunnel tests on a wing covered with monel-metal gauze.
- MONT BLANC. See Thoret, Joseph: Tourisme aérien au Mont Blanc.
- MT. HUZI. See Matsumoto, M., K. Tanaka, and I. Terazawa: Physiological test and physiological experiments tried on Mt. Huzi.
- MONTAGNE. See Barographs: Un barographe "inviolable."
- MONTAGNES, JAMES. Air-picked gold fields.  
Pop. Mech., Vol. 50 (Nov. 1928), Chicago, pp. 754-758, ill.
- Modern prospector flies.  
Canada Magazine, Vol. 70 (Aug. 1928), Toronto, pp. 12-13, ill.
- Radio call letters for airplanes.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 750.
- MONTEFINALE, TITO. L'addestramento all'osservazione aerea del tiro.  
Rivista Aeronautica, Anno 4, N. 4 (Aprile 1928), Roma, pp. 75-80, ill.



- MONTELUCCI, GIULIANO.** Sulla protezione del ferro mediante cadmio.—Impiego dell' eutettico cadmio-zinco per il rivestimento dei fili di acciaio per cavi ad alta resistenza.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 425-435, ill.
- MONTGOMERY, JOHN J.** Government airplanes do not infringe old patent on wings, Court of Claims rules.  
The United States Daily, Vol. 3, No. 86 (June 13, 1928), Washington, pp. 1, 5.
- MOORE, CHARLES S.** See Hicks, Chester W., and Charles S. Moore: The determination of several spray characteristics of a high-speed oil engine injection system with an oscilloscope.
- MOORE, J. P.** Buffalo municipal airport planned for safety and convenience.  
American City, Vol. 39 (Aug. 1928), New York, pp. 102-103, ill., map.
- MORANDI, UMBERTO.** Propaganda aeronautica.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 410-418.
- MORANE-SAULNIER.** Deux nouveaux avions Morane-Saulnier.  
L'Aéronautique, 10me année No. 115 (déc. 1928), Paris, pp. 432-433, ill.
- Morane-Saulnier 121 single-seat pursuit airplane (French).  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 75, Washington, June 1928, pp. 5, ill.
- MORELLI, ERCOLE.** Il museo storico dell' aeronautica.  
Rivista Aeronautica, Anno 4, N. 6 (Giugno 1928), Roma, pp. 488-500, ill.
- Sport aeronautico.  
Rivista Aeronautica, Anno 4, N. 7 (Luglio 1928), Roma, 119-133.
- MORELLI, V.** Sulla creazione nelle principali città di un Istituto di Cultura Aeronautica.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 419-424.
- MORIYA, T.** On the lift of biplanes.  
Journal of the Tokyo Imperial University, Vol. 17, No. 10 (Aug. 1928), Tokyo, pp. 191-200, ill.
- MOROCCO.** Basi aeree avanzate al Marocco durante le operazioni 1925-1926.  
Rivista Aeronautica, Anno 4, N. 5 (Mag. 1928), Roma, pp. 339-345, map.
- MORTANE, JACQUES.** La guerre des ailes—Evazion d'aviateurs (1914-1918).  
Paris, Baudinière, 1928, pp. 320.
- MOSS, H.** Heat transfer in internal combustion engines.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 845-874, ill., diagrs., tabs.
- Motoring losses in internal-combustion engines.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 838-844, ill., diagrs., tabs.
- MOTH.** The "American Moth."  
Flight, Vol. 20, No. 37 (Sept. 13, 1928), London, pp. 774-775, ill., diagr.
- The American Moth monoplane.  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, pp. 814, 816, ill., diagr.
- Nouvelle application de l'aile à fente.  
La Nature, No. 2787 (15 juin 1928), Paris, p. 571.
- The "Slotted Moth."  
Flight, Vol. 20, No. 12 (Mar. 22, 1928), London, pp. 195-197, ill.

- MOULIN, E. B. On the equivalence between the dynamical system of a multi-crank flywheel system and a certain electrical circuit, with some suggestions for measuring critical speeds and shaft stresses by analogy.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 722-730, ills.
- MOUNTAINS. See Linke, F.: Luftströmungen über Bergrücken.
- MUCKLOW, G. F. Hydrogen as an auxiliary fuel for a solid injection oil engine.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 706-721, ills., diags., tabs.
- MÜLLER, WALDEMAR. Parachutes for aircraft.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 450, February 1928, Washington, pp. 43, ill., tabs.  
From "Zeitschrift für Flugtechnik und Motorluftschiffahrt" October 28, 1927.
- MUNETOMO, YUKIO. See Obata, Juichi, Yukio Munetomo and Yahei Yosida: Directional observations of the radio-atmospheric disturbances.
- MUNRO, WILLIAM. Factors in seaplane float design.  
Aircraft Engineer suppl. to Flight, Vol. 20, Nos. 29, 35 (July 19, Aug. 30, 1928), London, pp. 614d-614g, 748e-748f, diagr.
- Seaplane stability calculations.  
Aircraft Engineer suppl. to Flight, Vol. 20, Nos. 8, 13 (Feb. 23, Mar. 29, 1928), London, pp. 116e-116h, 212e-212h, diagr.
- MURISON, RICHARD V. Airway passenger stations.  
Aviation, Vol. 24, No. 4 (Jan. 23, 1928), New York, pp. 190-192, ill., diagr.
- MURPHY, C. J. V. Flight of the America.  
Collier's, Vol. 82 (Aug. 11, 1928), New York, pp. 17-18, ill.
- Shall we fly the Atlantic?  
Harper's Monthly, Vol. 157 (July 1928), New York, pp. 183-194.
- MUSEUMS. Dans les musées aéronautiques.  
L'Aéronautique, 10me année, Nos. 109-110 (juin-juil. 1928), Paris, p. 214, ill.
- MUSSOLINI, BENITO. Discorsi del 1927.  
Milano, Ed. Alpes, pp. 263.
- MUSTO, C. Il diritto aeronautico nel suo processo formativo autonomo e nei lavori del IV Congresso Internazionale di Navigazione Aerea in ordine di diritto pubblico.  
Fasc. V., 1928.
- MUSTO, A. C. Necessità organizzativa del traffico aereo.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma 1928, pp. 287-289.
- N
- NAEF, ERNEST. L'aviation commerciale dans la Méditerranée.  
Aéronautica, Vol. 2, No. 1 (Jan. 1928), Amsterdam, pp. 9-10, ill.
- NAGAI, YŪZABURŌ. Effect of anti-knock materials on the speed of initial uniform movement of the flame in hydrocarbon-air mixtures.  
Proceedings of the Imperial Academy, Vol. 4, No. 9 (Nov. 1928), Tokyo, pp. 525-528.
- NANSEN, FRIDTJOF. Roald Amundsen. Tale holdt på Det Norske Geografiske Selskabs minnemote 24. oktober 1928.  
Norsk Geografisk Tidsskrift, Bind 11, 3.-4. Hefte 1928, Oslo, pp. 141-146, port.
- NAPIER. The Napier Lion racing engine.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 375, ill.  
Flight, Vol. 20, No. 5 (Feb. 2, 1928), London, p. 65.

- NAPIER.** The Napier "Lion" racing engine.  
Flight, Vol. 20, No. 17 (April 26, 1928), London, pp. 280-284, ill., diagr.
- Napier Series XI engine.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 268, ill.  
Flight, Vol. 20, No. 25 (June 21, 1928), London, pp. 465-466, ill.
- The Supermarine-Napier S-5.  
Aviation, Vol. 24, No. 11 (Mar. 12, 1928), New York, pp. 634, 652, 654, ill.
- NASELLI, D.** Capitani e macchinisti aerei.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 290-293.
- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS.** N. A. C. A. progress.  
Aviation, Vol. 24, No. 22 (May 28, 1928), New York, pp. 1523, 1539-1541, ill.
- Aeronautics. Fourteenth annual report of the National Advisory Committee for Aeronautics, 1928. Administrative report without technical reports.  
Washington, United States Government Printing Office, 1928, pp. 80.
- Aeronautics. Thirteenth annual report of the National Advisory Committee for Aeronautics, 1927.  
Washington, United States Government Printing Office, 1928, pp. 510, ill., diagrs., tabs.
- Technical Reports. No. 257. Pressure distribution over a wing and tail rib of a VE-7 and of a TS airplane in flight, by J. W. Crowley, jr., pp. 77-113. No. 258. Some factors affecting the reproducibility of penetration and the cut-off of oil sprays for fuel-injection engines, by E. G. Beardsley, pp. 115-124. No. 259. Characteristics of propeller sections tested in the variable density wind tunnel, by Eastman N. Jacobs, pp. 125-140. No. 260. The effect of a flap and ailerons on the N. A. C. A. M-6 airfoil section, by George J. Higgins and Eastman N. Jacobs, pp. 141-160. No. 261. Resistance and cooling power of various radiators, by R. H. Smith, pp. 161-176. No. 262. Friction of aviation engines, by S. W. Sparrow and M. A. Thorne, pp. 177-203. No. 263. Preliminary flight tests of the N. A. C. A. Roots type aircraft engine supercharger, by Arthur W. Gardiner and Elliott G. Reid, pp. 205-219. No. 264. Differential pressures on a Pitot-Venturi and a Pitot-Static nozzle over 360° pitch and yaw, by R. M. Bear, pp. 221-229. No. 265. A full-scale investigation of ground effect, by Elliott G. Reid, pp. 231-237. No. 266. Air force and moment for N-20 wing with certain cut-outs, by R. H. Smith, pp. 239-250. No. 267. Drag of wings with end plates, by Paul E. Hemke, pp. 251-263. No. 268. Factors in the design of centrifugal type injection valves for oil engines, by W. F. Joachim and E. G. Beardsley, pp. 265-279. No. 269. Air force tests of Sperry Messenger model with six sets of wings, by James M. Shoemaker, pp. 281-299. No. 270. The measurement of pressure through tubes in pressure distribution tests, by Paul E. Hemke, pp. 301-311. No. 271. Pressure distribution tests on PW-9 wing models showing effects of biplane interference, by A. J. Fairbanks, pp. 313-325. No. 272. The relative performance obtained with several methods of control of an over-compressed engine using gasoline, by Arthur W. Gardiner and William E. Whedon, pp. 327-339. No. 273. Wind-tunnel tests on autorotation and the "Flat Spin," by Montgomery Knight, pp. 341-357. No. 274. The N. A. C. A. photographic apparatus for studying fuel sprays from oil engine injection valves and test results from several researches, by Edward G. Beardsley, pp. 359-372. No. 275. The effect of the walls in closed-type



wind tunnels, by George J. Higgins, pp. 373-390. No. 276. Combustion time in the engine cylinder and its effect on engine performance, by Charles F. Marvin, jr., pp. 391-406. No. 277. The comparative performance of an aviation engine at normal and high inlet air temperatures, by Arthur W. Gardiner and Oscar W. Schey, pp. 407-425. No. 278. Lift, drag, and elevator hinge moments of Handley-Page control surfaces, by R. H. Smith, pp. 427-448. No. 279. Tests on models of three British airplanes in the variable-density wind tunnel, by George J. Higgins and George L. DeFoe, pp. 449-475. No. 280. The gaseous explosive reaction—The effect of inert gases, by F. W. Stevens, pp. 477-488. No. 281. The effects of fuel and cylinder gas densities on the characteristics of fuel sprays for oil engines, by W. F. Joachim and Edward G. Beardsley, pp. 489-497. No. 282. The performance of several combustion chambers designed for aircraft oil engines, by William F. Joachim and Carlton Kemper, pp. 499-510.

- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Aircraft Circulars No. 65. The De Havilland 61 "Canberra" (British). A 6-8 passenger airplane. National Advisory Committee for Aeronautics, Jan. 20, 1928 (mimeographed), Washington, January 1928, pp. 9, ill.
- Aircraft Circulars No. 66. Focke-Wulf A 17 commercial airplane "Möwe" (German). National Advisory Committee for Aeronautics, Feb. 10, 1928 (mimeographed), Washington, February 1928, pp. 4, ill.
- Aircraft Circulars No. 67. Supermarine S. 5 seaplane (British). Winner of the 1927 Schneider Cup Race. National Advisory Committee for Aeronautics, Mar. 14, 1928 (mimeographed), Washington, March 1928, pp. 9, ill.
- Aircraft Circulars No. 68. The Short "Calcutta." First British all-metal commercial seaplane. National Advisory Committee for Aeronautics, Mar. 23, 1928 (mimeographed), Washington, March 1928, pp. 10, ill.
- Aircraft Circulars No. 69. The "Gloster IV" seaplane (British). National Advisory Committee for Aeronautics, Mar. 30, 1928 (mimeographed), Washington, March 1928, pp. 9, ill.
- Aircraft Circulars No. 70. The Avro "Avian III" airplane (British). National Advisory Committee for Aeronautics, April 13, 1928 (mimeographed), Washington, April 1928, pp. 6, ill.
- Aircraft Circulars No. 71. The Boulton and Paul "Sidstrand I" bomber airplane (British). National Advisory Committee for Aeronautics, April 30, 1928 (mimeographed), Washington, April 1928, pp. 13, ill.
- Aircraft Circulars No. 72. The Parnall "Imp." A new British light airplane. National Advisory Committee for Aeronautics, May 4, 1928 (mimeographed), Washington, May 1928, pp. 7, ill.
- Aircraft Circulars No. 73. The Fokker "Universal" commercial airplane. National Advisory Committee for Aeronautics, May 24, 1928 (mimeographed), Washington, May 1928, pp. 10, ill.
- Aircraft Circulars No. 74. Blériot-Spad 91 airplane (French), Pursuit single-seater, type "Jockey." National Advisory Committee for Aeronautics, May 31, 1928 (mimeographed), Washington, May 1928, pp. 4, ill.

- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Aircraft Circulars No. 75. Morane-Saulnier 121 single-seat pursuit airplane (French).  
National Advisory Committee for Aeronautics, June 15, 1928 (mimeographed), Washington, June 1928, pp. 5, ill.
- Aircraft Circulars No. 76. The Fokker "Trimotor F VII" commercial transport monoplane.  
National Advisory Committee for Aeronautics, June 30, 1928 (mimeographed), Washington, June 1928, pp. 11, ill.
- Aircraft Circulars No. 77. René Couzinet monoplane (French), by J. Serryer.  
National Advisory Committee for Aeronautics, July 20, 1928 (mimeographed), Washington, July 1928, pp. 5, ill.
- Aircraft Circulars No. 78. Savoia Marchetti "S 64" airplane.  
National Advisory Committee for Aeronautics, Aug. 21, 1928 (mimeographed), Washington, August 1928, pp. 9, ill.
- Aircraft Circulars No. 79. The Sikorsky twin-engined amphibian type S-38 model 1928.  
National Advisory Committee for Aeronautics, Aug. 31, 1928 (mimeographed), Washington, August 1928, pp. 13, ill.
- Aircraft Circulars No. 80. C. A. M. S. 54 G. R. transatlantic seaplane (French).  
National Advisory Committee for Aeronautics, Sept. 7, 1928 (mimeographed), Washington, September 1928, pp. 8, ill.
- Aircraft Circulars No. 81. Westland "Wapiti" (British).  
National Advisory Committee for Aeronautics, Sept. 21, 1928 (mimeographed), Washington, September 1928, pp. 12, ill.
- Aircraft Circulars No. 82. The Armstrong Whitworth "Starling" (British) (single-seat fighter).  
National Advisory Committee for Aeronautics, Sept. 29, 1928 (mimeographed), Washington, September 1928, pp. 7, ill.
- Aircraft Circulars No. 83. The Vickers "Vellore" (British). Freight carrier.  
National Advisory Committee for Aeronautics, Oct. 12, 1928 (mimeographed), Washington, October 1928, pp. 8, ill.
- Aircraft Circulars No. 84. The Caproni monoplanes "Ca 97" (Italian).  
National Advisory Committee for Aeronautics, Oct. 30, 1928 (mimeographed), Washington, October 1928, pp. 15, ill.
- Aircraft Circulars No. 85. The Gloster "Goldfinch" (British). Single-seat fighter.  
National Advisory Committee for Aeronautics, Nov. 16, 1928 (mimeographed), Washington, November 1928, pp. 8, ill.
- Aircraft Circulars No. 86. Blériot combat monoplane 127 (French).  
National Advisory Committee for Aeronautics, Nov. 23, 1928 (mimeographed), Washington, November 1928, pp. 5, ill.
- Aircraft Circulars No. 87. "Villiers 24" slotted-wing airplane (French). Night pursuit sesquiplane.  
National Advisory Committee for Aeronautics, Dec. 7, 1928 (mimeographed), Washington, November 1928, pp. 9, ill.
- Bibliography of aeronautics 1925, by Paul Brockett.  
Washington, Government Printing Office, 1928, pp. vii, 189.
- Bibliography of aeronautics 1926, by Paul Brockett.  
Washington, Government Printing Office, 1928, pp. vii, 154.

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Bibliography of aeronautics 1927, by Paul Brockett.

Washington, Government Printing Office, 1928, pp. vii, 184.

— Report No. 279. Tests on models of three British airplanes in the variable density wind tunnel, by George J. Higgins, W. S. Diehl, and George L. DeFoe.

National Advisory Committee for Aeronautics, March 6, 1928, Washington, Government Printing Office, 1928, pp. 27, ill., diags., tabs.

— Report No. 280. The gaseous explosive reaction. The effect of inert gases, by F. W. Stevens.

National Advisory Committee for Aeronautics, March 16, 1928, Washington, Government Printing Office, 1927, pp. 12, ill., diags.

— Report No. 281. The effects of fuel and cylinder gas densities on the characteristics of fuel sprays for oil engines, by W. F. Joachim and Edward G. Beardsley.

National Advisory Committee for Aeronautics, March 31, 1928, Washington, Government Printing Office, 1927, pp. 9, ill., diags.

— Report No. 282. The performance of several combustion chambers designed for aircraft oil engines, by William F. Joachim and Carlton Kemper.

National Advisory Committee for Aeronautics, April 12, 1928, Washington, Government Printing Office, 1928, pp. 12, ill., diags.

— Report No. 283. A preliminary investigation of supercharging an air-cooled engine in flight, by Marsden Ware and Oscar W. Schey.

National Advisory Committee for Aeronautics, April 30, 1928, Washington, Government Printing Office, 1928, pp. 11, ill., tabs., diags.

— Report No. 284. The comparative performance of Roots type aircraft engine superchargers as affected by change in impeller speed and displacement, by Marsden Ware and Ernest E. Wilson.

National Advisory Committee for Aeronautics, May 29, 1928, Washington, Government Printing Office, 1928, pp. 14, ill., diags., tabs.

— Report No. 285. A study of wing flutter, by A. F. Zahm and R. M. Bear.

National Advisory Committee for Aeronautics, July 20, 1928, Washington, Government Printing Office, 1928, pp. 23, ill., diags., tabs.

— Report No. 286. Aerodynamic characteristics of airfoils—V, by National Advisory Committee for Aeronautics.

National Advisory Committee for Aeronautics, June 8, 1928, Washington, Government Printing Office, 1928, pp. 331-379, ill., diags., tabs.

— Report No. 287. Theories of flow similitude, by A. F. Zahm.

National Advisory Committee for Aeronautics, Oct. 23, 1928, Washington, Government Printing Office, 1928, pp. 10, diags., tabs.

— Report No. 288. Pressure distribution over a rectangular monoplane wing model up to 90° angle of attack, by Montgomery Knight and Oscar Loeser, jr.

National Advisory Committee for Aeronautics, July 31, 1928, Washington, Government Printing Office, 1928, pp. 19, ill., diags.

— Report No. 289. Forces on elliptic cylinders in uniform air stream, by A. F. Zahm, R. H. Smith, and F. A. Loudon.

National Advisory Committee for Aeronautics, Sept. 4, 1928, Washington, Government Printing Office, 1928, pp. 18, ill., tabs., diags.

— Report No. 290. Water-pressure distribution on a seaplane float, by F. L. Thompson.

National Advisory Committee for Aeronautics, Sept. 26, 1928, Washington, Government Printing Office, 1928, pp. 15, ill., tabs.



- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Report No. 291. Drag of C-class airship hulls of various fineness ratios, by A. F. Zahm, R. H. Smith, and F. A. Loudon.  
National Advisory Committee for Aeronautics, Nov. 14, 1928, Washington, Government Printing Office, 1928, pp. 16, ill., tabs., diagrs.
- Report No. 292. Characteristics of five propellers in flight, by J. W. Crowley, jr., and R. E. Mixson.  
National Advisory Committee for Aeronautics, Dec. 11, 1928, Washington, Government Printing Office, 1928, pp. 23, ill., diagrs., tabs.
- Report No. 293. Two practical methods for the calculation of the horizontal tail area necessary for a statically stable airplane, by Walter S. Diehl.  
National Advisory Committee for Aeronautics, Jan. 30, 1929, Washington, Government Printing Office, 1928, pp. 20, diagrs., tabs.
- Report No. 294. The measurement of maximum cylinder pressures, by Chester W. Hicks.  
National Advisory Committee for Aeronautics, Dec. 18, 1928, Washington, Government Printing Office, 1928, pp. 11, ill., diagrs.
- Report No. 295. The variation in engine power with altitude determined from measurements in flight with a hub dynamometer, by W. D. Gove.  
National Advisory Committee for Aeronautics, Jan. 9, 1929, Washington, Government Printing Office, 1928, pp. 12, diagrs., tabs.
- Report No. 297. The reduction of observed airplane performance to standard conditions, by Walter S. Diehl.  
National Advisory Committee for Aeronautics, Feb. 28, 1929, Washington, Government Printing Office, 1928, pp. 27, diagrs., tabs.
- Report No. 300. The twenty-foot propeller research tunnel of the National Advisory Committee for Aeronautics, by Fred E. Weick and Donald H. Wood.  
National Advisory Committee for Aeronautics, Dec. 27, 1928, Washington, Government Printing Office, 1928, pp. 16, ills.  
Advance copies distributed Dec. 17, 1928.
- Report No. 302. Full scale tests on a thin metal propeller at various tip speeds, by Fred E. Weick.  
National Advisory Committee for Aeronautics, March 22, 1929, Washington, Government Printing Office, 1928, pp. 14, ills., diagrs., tabs.
- Report No. 303. An investigation of the use of discharge valves and an intake control for improving the performance of N. A. C. A. Roots type supercharger, by Oscar W. Schey and Ernest E. Wilson.  
National Advisory Committee for Aeronautics, April 26, 1929, Washington, Government Printing Office, 1928, pp. 9, ill., diagrs.
- Report No. 308. Aircraft accidents. Method of analysis. Report prepared by special committee on the nomenclature, subdivision, and classification of aircraft accidents.  
National Advisory Committee for Aeronautics, Oct. 5, 1928, Washington, Government Printing Office, 1928, pp. 18, ill.
- Technical Memorandums No. 445. Tensile strength of welded steel tubes. First series of experiments, by A. Rechtlich.  
National Advisory Committee for Aeronautics, Jan. 5, 1928 (mimeographed), Washington, January 1928, pp. 20, ill.  
From "Zeitschrift für Flugtechnik und Motorluftschiffahrt" September 14, 1927.
- Technical Memorandums No. 446. Crank case scavenging of a two-stroke-cycle engine, by Otto Holm.  
National Advisory Committee for Aeronautics, Jan. 12, 1928 (mimeographed), Washington, January 1928, pp. 11, ill.  
From "Zeitschrift des Vereines deutscher Ingenieure," June 11, 1927.

- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Technical Memorandums No. 447. Stressed coverings in naval and aeronautic construction, by L. L. Kahn.  
National Advisory Committee for Aeronautics, Jan. 19, 1928 (mimeographed), Washington, January 1928, pp. 49, ill., diags., tabs.  
From "Association Technique Maritime et Aéronautique," May-June 1927.
- Technical Memorandums No. 448. Mechanical properties of some materials used in airplane construction, by E. B. Wolff and L. J. G. Van Ewijk.  
National Advisory Committee for Aeronautics, Jan. 26, 1928 (mimeographed), Washington, January 1928, pp. 17, tabs.  
From Report M 219 of the "Rijks-Studiedienst voor de Luchtvaart," Amsterdam. Reprint from "De Ingenieur," of August 7, 1926.
- Technical Memorandums No. 449. Results of aerodynamic tests on slotted airfoils in the aerotechnical laboratory (S. T. Aé.) of Rhode St. Genese, Brussels.  
National Advisory Committee for Aeronautics, Feb. 2, 1928 (mimeographed), Washington, February 1928, pp. 10, ill., diags., tabs.  
From Bulletins Nos. 1 and 4, April and July, 1927, of the "Service Technique de L'Aéronautique Belge."
- Technical Memorandums No. 450. Parachutes for aircraft, by Waldemar Müller.  
National Advisory Committee for Aeronautics, Feb. 16, 1928 (mimeographed), Washington, February 1928, pp. 43, ill., tabs.  
From "Zeitschrift für Flugtechnik und Motorluftschiffahrt" October 28, 1927.
- Technical Memorandums No. 451. Aviation fuels. (With especial reference to "White Spirit"), by P. Dumanois.  
National Advisory Committee for Aeronautics, Feb. 20, 1928 (mimeographed), Washington, February 1928, pp. 12.  
From "La Technique Aéronautique," April 15, 1927.
- Technical Memorandums No. 452. Motion of fluids with very little viscosity, by L. Prandtl.  
National Advisory Committee for Aeronautics, Feb. 23, 1928 (mimeographed), Washington, March 1928, pp. 10, ill.  
From "Vier Abhandlungen zur Hydrodynamik und Aerodynamik," Göttingen, 1927.
- Technical Memorandums No. 453. Welding in airplane construction, by A. Rechtlich and M. Schrenk.  
National Advisory Committee for Aeronautics, Mar. 1, 1928 (mimeographed), Washington, February 1928, pp. 28, ill.  
From "Jahrbuch 1927 der Deutsche Versuchsanstalt für Luftfahrt."
- Technical Memorandums No. 454. The 1926 German seaplane contest. Part I: Lessons taught, by F. Seewald; Part II: Method of rating by H. Blenk and F. Liebers.  
National Advisory Committee for Aeronautics, Mar. 8, 1928 (mimeographed), Washington, March 1928, pp. 31, diags.  
From the 1927 Yearbook of the "Deutsche Versuchsanstalt für Luftfahrt."
- Technical Memorandums No. 455. Note on research work by Helmholtz and Wien relating to the form of waves propagated along the surface of separation of two liquids, by J. M. Burgers.  
National Advisory Committee for Aeronautics, Mar. 15, 1928 (mimeographed), Washington, March 1928, pp. 8, ill.  
Reprinted from "Rendiconti della R. Accademia Nazionale dei Lincei" Volume 5, No. 5, March 1927.
- Technical Memorandums No. 456. Calculation of airplane performances without the aid of polar diagrams, by Martin Schrenk.  
National Advisory Committee for Aeronautics, Mar. 22, 1928 (mimeographed), Washington, March 1928, pp. 29, ill.  
From the 1927 Yearbook of the "Deutsche Versuchsanstalt für Luftfahrt."

- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Technical Memorandums No. 457. A few more mechanical-flight formulas without the aid of polar diagrams, by Martin Schrenk.  
National Advisory Committee for Aeronautics, Mar. 29, 1928 (mimeographed), Washington, March 1928, pp. 26, ill.  
From the 1927 Yearbook of the "Deutsche Versuchsanstalt für Luftfahrt."
- Technical Memorandums No. 458. Steel spars, by Brian L. Martin.  
National Advisory Committee for Aeronautics, April 5, 1928 (mimeographed), Washington, April 1928, pp. 14, ill.  
From "The Gloster," September-December, 1927.
- Technical Memorandums No. 459. Variable-pitch propellers, by H. L. Milner.  
National Advisory Committee for Aeronautics, April 11, 1928 (mimeographed), Washington, April 1928, pp. 12, ill., diags.  
From "The Gloster," September-December, 1927.
- Technical Memorandums No. 460. Take-off of heavily loaded airplanes, by A. Pröll.  
National Advisory Committee for Aeronautics, April 19, 1928 (mimeographed), Washington, April 1928, pp. 18, ill.  
From "Zeitschrift für Flugtechnik und Motorluftschiffahrt" January 28, 1928.
- Technical Memorandums No. 461. Contribution to the systematic investigation of Joukowski profiles, by Gottfried Loew.  
National Advisory Committee for Aeronautics, April 26, 1928 (mimeographed), Washington, April 1928, pp. 9, ill.  
From "Zeitschrift für Flugtechnik und Motorluftschiffahrt," November 28, 1927.
- Technical Memorandums No. 462. Comments on crankless engine types.  
National Advisory Committee for Aeronautics, May 3, 1928 (mimeographed), Washington, May 1928, pp. 11, ill.  
From "Motorwagen," November 20, 1927.
- Technical Memorandums No. 463. Prospective development of giant airplanes, by B. Von Römer.  
National Advisory Committee for Aeronautics, May 10, 1928 (mimeographed), Washington, May 1928, pp. 7, ill.  
From "Luftfahrt," October 22, 1927.
- Technical Memorandums No. 464. Discussion of problems relating to the safety of aviation, by J. Sabatier. Part I.  
National Advisory Committee for Aeronautics, May 17, 1928 (mimeographed), Washington, May 1928, pp. 35.  
From "Bulletin Technique" No. 42, of the "Service Technique et Industriel de l'Aéronautique," June 18, 1927.
- Technical Memorandums No. 465. Discussion of problems relating to the safety of aviation, by J. Sabatier. Part II.  
National Advisory Committee for Aeronautics, May 24, 1928 (mimeographed), Washington, May 1928, pp. 33.  
From "Bulletin Technique" No. 42, of the "Service Technique et Industriel de l'Aéronautique," June 18, 1927.
- Technical Memorandums No. 466. Wheel brakes and their application to aircraft, by G. H. Doty.  
National Advisory Committee for Aeronautics, May 31, 1928 (mimeographed), Washington, May 1928, pp. 29, ill., diags.  
From "Flight," November 24, and December 29, 1927, and January 26, 1928.
- Technical Memorandums No. 467. The Diesel as a vehicle engine, by Kurt Neumann.  
National Advisory Committee for Aeronautics, June 14, 1928 (mimeographed), Washington, June 1928, pp. 34, diags., tabs.  
From Zeitschrift des Vereines deutscher Ingenieure, May 28, 1927.



- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Technical Memorandums No. 468. Choice of profile for the wings of an airplane, by A. Toussaint and E. Carafoli. Part I.  
National Advisory Committee for Aeronautics, June 21, 1928 (mimeographed), Washington, June 1928, pp. 22, ill.  
From *L'Aéronautique*, December 1927.
- Technical Memorandums No. 469. Choice of profile for the wings of an airplane, by A. Toussaint and E. Carafoli. Part II.  
National Advisory Committee for Aeronautics, June 28, 1928 (mimeographed), Washington, June 1928, pp. 23, ill., diags.  
From *L'Aéronautique*, January 1928.
- Technical Memorandums No. 470. On improvement of air flow in wind tunnels, by C. Wieselsberger.  
National Advisory Committee for Aeronautics, July 5, 1928 (mimeographed), Washington, July 1928, pp. 9, ill., diags.  
From *Journal of the Society of Mechanical Engineers (of Japan)*, Volume XXVIII, No. 98, June 1925.
- Technical Memorandums No. 471. Technical progress shown in the 1927 Rhön soaring-flight contest, by W. Hübner.  
National Advisory Committee for Aeronautics, July 12, 1928 (mimeographed), Washington, July 1928, pp. 10, ill.  
From *Zeitschrift des Vereines deutscher Ingenieure*, December 3, 1927.
- Technical Memorandums No. 472. Experiments with a wing from which the boundary layer is removed by pressure or suction, by K. Wieland.  
National Advisory Committee for Aeronautics, July 19, 1928 (mimeographed), Washington, July 1928, pp. 14, ill., diags.  
From *Zeitschrift für Flugtechnik und Motorluftschiffahrt*, August, 16, 1927.
- Technical Memorandums No. 473. The problem of noise in civil aircraft and the possibilities of its elimination, by W. S. Tucker. Part I, and II.  
National Advisory Committee for Aeronautics, July 26, Aug. 2, 1928 (mimeographed), Washington, July, August 1928, pp. 26, 22, ill.  
From *The Journal of the Royal Aeronautical Society*, March, 1928, Volume XXXII, No. 207.
- Technical Memorandums No. 474. Windmills in the light of modern research, by A. Betz.  
National Advisory Committee for Aeronautics, Aug. 9, 1928 (mimeographed), Washington, August 1928, pp. 27, ill., diags.  
From *Die Naturwissenschaften*, Volume XV, No. 46, November 18, 1927.
- Technical Memorandums No. 475. Recent researches on the air resistance of spheres, by O. Flachsbarth.  
National Advisory Committee for Aeronautics, Aug. 16, 1928 (mimeographed), Washington, August 1928, pp. 15, ill., diags.  
From *Physikalische Zeitschrift*, Vol. 28, 1927.
- Technical Memorandums No. 476. Synopsis of French aeronautic equipment. Aeronautic instruments.  
National Advisory Committee for Aeronautics, Aug. 23, 1928 (mimeographed), Washington, August 1928, pp. 18, ill.  
From *L'Aéronautique*, No. 100, September 1927.
- Technical Memorandums No. 477. Contribution to the design and calculation of fuel cams and fuel valves for Diesel engines, by Jatindra Nath Basu.  
National Advisory Committee for Aeronautics, Aug. 31, 1928 (mimeographed), Washington, August 1928, pp. 32, ill., diags., tabs.  
From *Der Motorwagen*, May 10 and July 31, 1927.
- Technical Memorandums No. 478. The cells of giant airplanes, by E. Offermann.  
National Advisory Committee for Aeronautics, Sept. 6, 1928 (mimeographed), Washington, September 1928, pp. 16, ill., diags., tabs.  
From Offermann's "*Riesenflugzeuge*," 1927.

- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Technical Memorandums No. 479. The span as a fundamental factor in airplane design, by G. Lachmann.  
National Advisory Committee for Aeronautics, Sept. 13, 1928 (mimeographed), Washington, September 1928, pp. 40, ill., diags.  
From *Zeitschrift für Flugtechnik und Motorluftschiffahrt*, May 14, 1928.
- Technical Memorandums No. 480. Airplane strength calculations and static tests in Russia. (An attempt at standardization.)  
National Advisory Committee for Aeronautics, Sept. 20, 1928 (mimeographed), Washington, September 1928, pp. 14, ill., tabs.  
From *L'Aéronautique*, February 1928.
- Technical Memorandums No. 481. Considerations on propeller efficiency, by A. Betz.  
National Advisory Committee for Aeronautics, Sept. 27, 1928 (mimeographed), Washington, September 1928, pp. 20, ill., diags.  
From *Zeitschrift für Flugtechnik und Motorluftschiffahrt*, April 28, 1928.
- Technical Memorandums No. 482. Ignition and combustion phenomena in Diesel engines, by F. Sass.  
National Advisory Committee for Aeronautics, Oct. 4, 1928 (mimeographed), Washington, October 1928, pp. 26, ill., tabs., diags.  
From *Zeitschrift des Vereines deutscher Ingenieure*, September 10, 1927.
- Technical Memorandums Nos. 483, 484. Ignition points and combustion reactions in Diesel engines, by J. Tausz and F. Schulte. Parts I and II.  
National Advisory Committee for Aeronautics, Oct., 11, 18, 1928 (mimeographed), Washington, October 1928, pp. 43, 66, ill., tabs.  
Communication from the Petroleum Research Laboratory of the Institute of Applied Chemistry, Technical High School, Karlsruhe.
- Technical Memorandums No. 485. Research on the control of airplanes, by B. Melvill Jones.  
National Advisory Committee for Aeronautics, Oct. 25, 1928 (mimeographed), Washington, October 1928, pp. 23, diags.  
From *Nature*, May 12, 1928.
- Technical Memorandums No. 486. Tank tests of twin seaplane floats, by H. Herrmann, G. Kempf, and H. Kloess.  
National Advisory Committee for Aeronautics, Nov. 30, 1928 (mimeographed), Washington, October 1928, pp. 35, ill., diags., tabs.  
From *Luftfahrtforschung*, January 3, 1928.
- Technical Memorandums No. 487. The constructional design of metal flying-boat hulls, Part I. Workshop notes on the building of metal hulls, Part II, by M. Langley.  
National Advisory Committee for Aeronautics, Nov. 8, 1928 (mimeographed), Washington, November, 1928, pp. 26, ill.  
From the *Aeroplane*, March 28 and July 25, 1928.
- Technical Memorandums No. 488. Determination of the air forces and moments produced by the ailerons of an airplane, by C. Wieselsberger and T. Asano.  
National Advisory Committee for Aeronautics, Nov. 22, 1928 (mimeographed), Washington, November 1928, pp. 15, ill., diags.  
From *Zeitschrift für Flugtechnik und Motorluftschiffahrt*, July 14, 1928.
- Technical Memorandums No. 489. On the take-off of heavily loaded airplanes, by Louis Breguet.  
National Advisory Committee for Aeronautics, Nov. 30, 1928 (mimeographed), Washington, November 1928, pp. 17.  
From *La Revue Scientifique*, 1927, No. 12.

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Technical Memorandums No. 490. Structures of thin sheet metal; their design and construction, by Herbert Wagner.

National Advisory Committee for Aeronautics, Dec. 13, 1928 (mimeographed), Washington, December 1928, pp. 21, ill.

— Technical Memorandums No. 491. Propeller problems, by A. Betz.

National Advisory Committee for Aeronautics, Dec. 20, 1928 (mimeographed), Washington, December 1928, pp. 13, ill.

— Technical Memorandums No. 492. Influence of fuselage on propeller design, by Theodor Troller.

National Advisory Committee for Aeronautics, Dec. 27, 1928 (mimeographed), Washington, December 1928, pp. 11, ill.

From Zeitschrift für Flugtechnik und Motorluftschiffahrt, July 28, 1928.

— Technical Notes No. 271. Full scale drag tests on various parts of Sperry Messenger airplane, by Fred E. Weick.

National Advisory Committee for Aeronautics, Jan. 25, 1928 (mimeographed), Washington, January 1928, pp. 6, ill., tabl.

— Technical Notes No. 272. Special propeller protractor, by A. L. Heim.

National Advisory Committee for Aeronautics, Jan. 10, 1928 (mimeographed), Washington, January 1928, pp. 6, ill.

— Technical Notes No. 273. The effect of performance of a cutaway center section, by Thomas Carroll.

National Advisory Committee for Aeronautics, March 6, 1928 (mimeographed), Washington, January 1928, pp. 7, ill., diags.

— Technical Notes No. 274. The effect of the Sperry Messenger fuselage on the air flow at the propeller plane, by Fred E. Weick.

National Advisory Committee for Aeronautics, Feb. 23, 1928 (mimeographed), Washington, January 1928, pp. 5, ill., diags.

— Technical Notes No. 275. Determination of propeller deflection by means of static load tests on models, by Fred E. Weick.

National Advisory Committee for Aeronautics, Feb. 7, 1928 (mimeographed), Washington, January 1928, pp. 7, ill., diags.

— Technical Notes No. 276. Helium tables, by Clinton H. Havill.

National Advisory Committee for Aeronautics, Jan. 31, 1928 (mimeographed), Washington, January 1928, pp. 19, tables.

— Technical Notes No. 277. Pressure distribution on wing ribs of the VE-7 and TS airplanes in flight. Part 11: Pull-ups, by R. V. Rhode.

National Advisory Committee for Aeronautics, Feb. 14, 1928 (mimeographed), Washington, January 1928, pp. 6, diags.

— Technical Notes No. 278. An automatic speed control for wind tunnels, by A. F. Zahm.

National Advisory Committee for Aeronautics, Feb. 28, 1928 (mimeographed), Washington, February 1928, pp. 15, ill., tabs.

— Technical Notes No. 279. Resistance of streamline wires, by George L. DeFoe.

National Advisory Committee for Aeronautics, March 13, 1928 (mimeographed), Washington, March 1928, pp. 7, diags., tabs.

— Technical Notes No. 280. Drag of exposed fittings and surface irregularities on airplane fuselages, by Donald H. Wood.

National Advisory Committee for Aeronautics, March 20, 1928 (mimeographed), Washington, March 1928, pp. 10, ill., tabs.

— Technical Notes No. 281. A comparison of propeller and centrifugal fans for circulating the air in a wind tunnel, by Fred E. Weick.

National Advisory Committee for Aeronautics, March 27, 1928 (mimeographed), Washington, March 1928, pp. 7, ill., tabs.



- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Technical Notes No. 282.  
Corrosion embrittlement of duralumin. I.  
Practical aspects of the problem, by Henry S. Rawdon.  
National Advisory Committee for Aeronautics, April 9, 1928 (mimeographed), Washington, April 1928, pp. 11, ill., diags.
- Technical Notes No. 283. Corrosion embrittlement of duralumin.  
II. Accelerated corrosion tests and the behavior of high-strength aluminum alloys of different compositions, by Henry S. Rawdon.  
National Advisory Committee for Aeronautics, April 17, 1928 (mimeographed), Washington, April 1928, pp. 38, ill.
- Technical Notes No. 284. Corrosion embrittlement of duralumin.  
III. Effect of the previous treatment of sheet material on the susceptibility to this type of corrosion, by Henry S. Rawdon.  
National Advisory Committee for Aeronautics, April 24, 1928 (mimeographed), Washington, April 1928, pp. 24, ill.
- Technical Notes No. 285. Corrosion embrittlement of duralumin.  
IV. The use of protective coatings, by Henry S. Rawdon.  
National Advisory Committee for Aeronautics, May 1, 1928 (mimeographed), Washington, April 1928, pp. 31, ill.
- Technical Notes No. 286. Preliminary investigation on boundary layer control by means of suction and pressure with the U. S. A. 27 airfoil, by E. G. Reid and M. J. Bamber.  
National Advisory Committee for Aeronautics, May 8, 1928 (mimeographed), Washington, May 1928, pp. 18, ill., diags.
- Technical Notes No. 287. A dangerous seaplane landing condition, by Thomas Carroll.  
National Advisory Committee for Aeronautics, May 15, 1928 (mimeographed), Washington, May 1928, pp. 3.
- Technical Notes No. 288. The reaction on a float bottom when making contact with water at high speeds, by H. C. Richardson.  
National Advisory Committee for Aeronautics, May 22, 1928 (mimeographed), Washington, May 1928, pp. 4, ill., diags.
- Technical Notes No. 289. Preliminary biplane tests in the variable density wind tunnel, by James M. Shoemaker.  
National Advisory Committee for Aeronautics, June 19, 1928 (mimeographed), Washington, June 1928, pp. 15, ill., diags., tabs.
- Technical Notes No. 290. Welding of high chromium steels, by W. B. Miller.  
National Advisory Committee for Aeronautics, June 26, 1928 (mimeographed), Washington, June 1928, pp. 13.
- Technical Notes No. 291. Gluing practice at aircraft manufacturing plants and repair stations, by T. R. Truax.  
National Advisory Committee for Aeronautics, July 10, 1928 (mimeographed), Washington, July 1928, pp. 11, ill.
- Technical Notes No. 292. The drag of a J-5 radial air-cooled engine, by Fred E. Weick.  
National Advisory Committee for Aeronautics, July 24, 1928 (mimeographed), Washington, July 1928, pp. 4, ill., diagr.
- Technical Notes No. 293. The formation of ice upon exposed parts of an airplane in flight, by Thomas Carroll and Wm. H. McAvoy.  
National Advisory Committee for Aeronautics, July 31, 1928 (mimeographed), Washington, July 1928, pp. 10, ill.

- NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Technical Notes No. 294. Wind tunnel force tests in wing systems through large angles of attack, by Carl J. Wenzinger and Thomas A. Harris.  
National Advisory Committee for Aeronautics, Aug. 21, 1928 (mimeographed), Washington, August 1928, pp. 7, ill., diags.
- Technical Notes No. 295. The effect of tip shields on a horizontal tail surface, by Paul V. Dronin, and Earl I. Ramsden and George J. Higgins.  
National Advisory Committee for Aeronautics, Aug. 28, 1928 (mimeographed), Washington, August 1928, pp. 10 ill., diags., tabs.
- Technical Notes No. 296. Bearing strength of wood under steel aircraft bolts and washers and other factors influencing fitting design, by G. W. Trayer.  
National Advisory Committee for Aeronautics, Oct. 16, 1928 (mimeographed), Washington, October 1928, pp. 25, ill., tabs., diags.
- Technical Notes No. 297. Preliminary report on the flat-top lift curve as a factor in control at low speed, by Montgomery Knight and Millard J. Bamber.  
National Advisory Committee for Aeronautics, Sept. 18, 1928 (mimeographed), Washington, September 1928, pp. 10, diags., tabs.
- Technical Notes No. 298. The determination of several spray characteristics of a high-speed oil engine injection system with an oscilloscope, by Chester W. Hicks and Charles S. Moore.  
National Advisory Committee for Aeronautics, Sept. 29, 1928 (mimeographed), Washington, September 1928, pp. 11, ill.
- Technical Notes No. 299. The effect of fillets between wings and fuselage on the drag and propulsive efficiency of an airplane, by Melvin N. Gough.  
National Advisory Committee for Aeronautics, Oct. 23, 1928 (mimeographed), Washington, October 1928, pp. 4, ill., diags.
- Technical Notes No. 300. The variation in pressures in the cockpit of an airplane in flight, by Thomas Carroll and William H. McAvoy.  
National Advisory Committee for Aeronautics, Nov. 1, 1928 (mimeographed), Washington, November 1928, pp. 6, ill., diags.
- Technical Notes No. 301. Drag and cooling with various forms of cowling for a "Whirlwind" engine in a cabin fuselage, by Fred E. Weick.  
National Advisory Committee for Aeronautics, Nov. 10, 1928 (mimeographed), Washington, November 1928, pp. 25, ill., tabs.; Appendix pp. [2].
- Third annual aircraft engineering research conference under the auspices of National Advisory Committee for Aeronautics, Langley Field, Va., May 15, 1928.  
National Advisory Committee for Aeronautics, circular letter, Washington, May 2, 1928, pp. 2.
- Third annual Aircraft Engineering Research Conference under the auspices of National Advisory Committee for Aeronautics, Langley Field, Va., May 15, 1928. Including program.  
National Advisory Committee for Aeronautics, May 2, 1928 (mimeographed), Washington, pp. 4.
- See Mastromatteo, V.: Sull' applicazione del metodo dell' allungamento virtuale alla determinazione delle caratteristiche del propulsore.
- See Weick, Fred E.: The new N. A. C. A. low-drag cowling.
- NATIONAL AERONAUTIC ASSOCIATION. The NAA convention. 1928 annual meeting attended by representative gathering.  
Aeronautic Review, Vol. 6, No. 9 (Sept. 1928), Washington, D. C., pp. 132-134, ill.  
Los Angeles, Calif.

- NATIONAL AIR RACES.** Complete results of National Air Races.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 730-736.
- Lessons from the 1928 national air races.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 722, 727, 851, ill.
- Lessons of the national air races.  
Literary Digest, Vol. 98 (Sept. 29, 1928), New York, p. 12, map.
- The national air races.  
Aeronautic Review, Vol. 6, No. 9 (Sept. 1928), Washington, D. C., pp. 130, 135-138.  
Aviation, Vol. 25, No. 5 (Aug. 4, 1928), New York, pp. 400-401, 424-425, ill., map.
- The 1928 National air races and aeronautical exposition. Mines Field, Los Angeles, September 8-10.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 273, 280, map.
- The U. S. National air races and aero show.  
Flight, Vol. 20, No. 42 (Oct. 18, 1928), London, pp. 904-905, 926, ill.
- NATIONAL AIR TOUR.** The National Air Tour.  
The Aeroplane, Vol. 35, No. 8 (Aug. 22, 1928), London, pp. 368, 370.
- Rules for the Fourth annual air tour, June 30 to July 28.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 1002-1006.
- Rules of the 1928 National Air Tour.  
Aviation, Vol. 24, No. 22 (May 28, 1928), New York, pp. 1522, 1541-1548.
- NAUDIN, RAOUL.** Annuaire de l'aéronautique 1927.  
Paris, Rouffé, 1928, pp. 800.
- NAVAL aeronautics.** Aerial navies.  
World's Work, Vol. 57 (Dec. 1928), Garden City, N. Y., pp. 120-121.
- See Frochot: L'aviation maritime.
- See Lega, Vittorio: Le possibilità del volo rasente nell'attacco contro navi da superficie.
- See Maugeri, Franco: L'attacco aereo contro navi.
- NAVIGATION.** Arbeiten zur Luftnavigierung.  
München, R. Oldenbourg, pp. 63, ill.
- See Dagnaux, J.: Note sur un problème de navigation.
- See Direction finding: Direction finding in navigation.
- See Dreisonstock, Joseph Young: Navigation tables for mariners and aviators. Published by the Hydrographic Office under authority of the Secretary of the Navy.
- See Mäder, Martin: Borgeräte im Verkehrsflugzeug.
- See Röder Hermann: Navigation ohne Erdsicht bei Nebel und über Wolken.
- See Salle: Note sur les compas d'aviation.
- See Weems, Philip Van Horn: Line of position book; a short accurate method using Ogura's altitude tables and Rust's modified azimuth diagram.
- See Weems, Philip Van Horn: Star-altitude curves for obtaining a fix, given only the Greenwich sidereal time and the observed altitudes of two stars.
- See Wiley, H. V.: Better navigation.



- NAVY DEPARTMENT. *See* United States Congress: Navy Department appropriation bill 1929. Supplemental hearing before subcommittee of House Committee on appropriations . . . in charge of the Navy Department appropriation bill for 1929. Rigid airships. Seventieth Congress, first session.
- NEELY, FREDERICK R. The Air Corps promotion list problem.  
Aviation, Vol. 25, No. 2 (July 9, 1928), New York, pp. 104-105, 137-139, ill.
- The Berliner monoplane.  
Aviation, Vol. 25, No. 4 (July 21, 1928), New York, pp. 258, 288-296, ill.
- Cowling of air-cooled radial engines develops enormous increase in speed.  
Aeronautic Review, Vol. 6, No. 11 (Nov. 1928), Washington, D. C., pp. 172, 182, ill.
- Frederick R. Neely appointed general manager of NAA.  
Aeronautic Review, Vol. 6, No. 10 (Oct. 1928), Washington, D. C., p. 155, port.
- Parachutes in civil and commercial aviation.  
Aviation, Vol. 25, No. 11 (Sept. 8, 1928), New York, pp. 811, 834, 836, ill.
- NEGRO, PIERO [Pierre la Pipe]. Nidi d' aquila [L'aviazione in Italia dall' epoca leggendaria al 1927].  
Torino, tip. C. Valentino e C., 1927, pp. 179.
- NEHRING, JOHANNES. Flugerfahrungen mit dem Versuchssegelflugzeug "Storch" der Flugtechnischen Abteilung der Rhön-Rossitten-Gesellschaft.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 1 (14. Jan. 1928), München und Berlin, p. 12.
- *See* Lippisch, A., F. Stammer und J. Nehring: Versuche mit neuartigen Flugzeugtypen. Mitteilung des Forschungsinstituts der Rhön-Rossitten-Ges. von A. Lippisch, Wasserkuppe (Rhön), mit Flugerfahrungen von F. Stammer und J. Nehring.
- NELSON, WILLIAM. Prevention of corrosion in instruments.  
Aviation, Vol. 25, No. 17 (Oct. 20, 1928), New York, pp. 1260, 1276, 1278, ill.
- NEON. *See* Lighting: New neon light for aviation.
- *See* Sueter, Murray Fraser: Airmen or Noahs. Fair play for our airmen. The great "Neon" air myth exposed.
- NERLI, N. Un importante problema sui motori a vento.  
L'Aerotechnica, Vol. 8, No. 6 (Giugno 1928), Anno 6, Pisa, pp. 385-414, ills., diags., tabs.
- NETHERLANDS. Trade-register for the Netherlands.  
Aéronautica, Vol. 2, No. 4 (April 1928), Amsterdam, 56[b].
- *See* Holland: Les grands projets hollandais.
- NEUMANN, KURT. The Diesel as a vehicle engine.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 467, June 1928, Washington, pp. 34, diags., tabs.  
From Zeitschrift des Vereines deutscher Ingenieure, May 28, 1927.
- NEVILL, JOHN T. The Aero Craft "Aero Coupé."  
Aviation, Vol. 24, No. 23 (June 4, 1928), New York, pp. 1597, 1627-1630, ill.
- The Detroit air-olympics.  
Aviation, Vol. 24, No. 22 (May 28, 1928), New York, pp. 1520, 1548-1549.
- The Eastman flying boat.  
Aviation, Vol. 25, No. 1 (July 2, 1928), New York, pp. 30, 54-56, ill.
- The National Air Tour.  
Aviation, Vol. 25, No. 4, 5 (July 21, 28, 1928), New York, pp. 261, 282-284, 341, 341-343, ill.
- The 1928 National Air Tour.  
Aviation, Vol. 25, No. 2 (July 9, 1928), New York, pp. 108-109, ill.

- NEVILL, JOHN T. Regarding the National Air Tour.  
Aviation, Vol. 25, No. 9 (Aug. 25, 1928), New York, pp. 594, 611-614.
- Wanted—Suitable 1929 air tour formula.  
Aviation, Vol. 25, No. 19 (Nov. 3, 1928), New York, pp. 1402-1403, 1444-1450, ill.
- With the National Air Tour.  
Aviation, Vol. 25, No. 3 (July 16, 1928), New York, pp. 180-181, ill.
- NEVILLE, LESLIE E. The "New Standard."  
Aviation, Vol. 25, No. 12 (Sept. 15, 1928), New York, pp. 864-865, 892-893, ill.
- The original Wright biplane.  
Aviation, Vol. 25, No. 23 (Dec. 1, 1928), New York, pp. 1724-1726, ill., diagr.
- The Sikorsky S-38.  
Aviation, Vol. 25, No. 5 (July 28, 1928), New York, pp. 328-329, 343-347, ill.
- NEW BRUNSWICK. See Fuchs, John: Aero Club of New Brunswick.
- NEW, HARRY S. Statement of Postmaster General Harry S. New, covering the achievements and concrete results which have marked the [air mail] service.  
Congressional Record, Vol. 69, No. 129 (May 15, 1928), Washington, pp. 9121-9123.
- NEW YORK. Airports for New York.  
Outlook, Vol. 148 (Jan. 4, 1928), New York, p. 14.
- NEWARK, N. J. The Newark airport.  
Aviation, Vol. 25, No. 26 (Dec. 22, 1928), New York, pp. 2033-2039, ill.
- NEWELL, J. S. The design of airplane wing beams.  
Proceedings of the American Society of Civil Engineers, Vol. 54, No. 3, Part 1 (March 1928), New York, pp. 725-787, ill.
- NICHOLAS. See Nobile: General Nobile's first flight.
- NICOLO, GALANTE. Nota sul calcolo dei lunghi prismi compressi secondo l'asse.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 223-229, ill.
- NIESSEL, A. L'aviation militaire. L'aéronautique en temps de guerre.  
L'Aérophile, XIe Salon de l'aéronautique, 29 juin-15 juil. 1928), Paris, pp. 7-8.
- La maîtrise de l'air.  
Paris, Perrin et Cie., p. 250.
- NIGHT flying. Navigation de nuit.  
La Nature, No. 2779 (15 fév. 1928), Paris, p. 187.
- See Köhl, H.: Entwicklungsgrundlagen für den Nachtflug.
- See Lademann, Robert W. E.: Zur Nacht- und Nebellandung.
- NIGHT observations. See Eales, E. N., and D. M. Borden: Wind-tunnel test of 1/20 scale model of the Matériel Division Night Observation Airplane.
- NILES, A. S. The computation of truss deflections by the method of elastic weights.  
Air Corps Information Circular, Vol. 7, No. 620 (Aug. 15, 1928), Washington, Government Printing Office, 1928, pp. 16, ills., tabs.
- Precise formulas for restrained beam with axial load of compression, equal end moments and two symmetrically placed side loads.  
Air Corps Information Circular, Vol. 6, No. 591 (Sept. 15, 1927), Washington, Government Printing Office, 1927, pp. 2.
- NILES, jr., A. S., and E. C. FREIL. Progress reports on experimental metal spars.  
Air Corps Information Circular, Vol. 6, No. 591 (Aug. 26, 1927), Washington, Government Printing Office, 1927, pp. 24, ills., tabs.

- NILES, jr., A. S. Tests on 6¼ inch metal spars. Appendix I. Logs of tests on 6¼-inch spars. Appendix II. Requirements for experimental metal spars for pursuit and observation loadings.  
Air Corps Information Circular, Vol. 7, No. 622 (Aug. 15, 1928), Washington, United States Government Printing Office, 1929, pp. 60, ills., diags., tabs.
1927. Aircraft year book 1927.  
New York, Aeronautical Chamber of Commerce.
- Aviation's big year.  
Review of Reviews, Vol. 77 (Jan. 1928), New York, pp. 90-91, ill.
- Looking back at 1927.  
Aviation, Vol. 24, No. 1 (Jan. 2, 1928), New York, pp. 22-25, 50-54, ill.
- Private flying in 1927.  
Flight, Vol. 20, No. 1 (Jan. 5, 1928), London, pp. 7-8.
- See Van den Abeelen, W. P.: On 1927.
- See Warner, Edward Pearson: Aviation in 1927.
1928. Aircraft year book 1928.  
New York, The Aeronautical Chamber of Commerce of America, 1928, pp. 551, ill.
- And what of 1928?  
Aviation, Vol. 24, No. 1 (Jan. 2, 1928), New York, pp. 26-28, ill.
- The 1928 national air races.  
Aviation, Vol. 24, No. 13 (Mar. 26, 1928), New York, pp. 773, 800.
- 1928 to be an airship year.  
Literary Digest, Vol. 98 (Aug. 18, 1928), New York, pp. 56-59.
- See Reimbert, J.: Annuaire de l'aéronautique 1928.
1953. Modern Jules Verne pictures air travel in 1953.  
Literary Digest, Vol. 97 (May 12, 1928), New York, pp. 62-66.
- NISIDA, KÔKI. See Terada, Torahiko, Mituo Tamano and Kôki Nisida: On gustiness of winds.
- NOBILE. General Nobile's first flight.  
Nature, Vol. 122, No. 3064 (July 21, 1928), London, p. 105.
- See Tornberg: Eigene Erlebnisse auf der schwedischen Nobile-Hilfsexpedition.
- NOBILE, UMBERTO. La consegna della targa d'onore al Gen. Nobile.  
L'Aerotechnica, Vol. 8, N. 4 (Aprile 1928), (Anno 6), Pisa, pp. 286-290, ill.
- Il Gen. Nobile e la sua impresa polare.  
L'Aerotechnica, Vol. 8, N. 5 (Mag. 1928), (Anno 6), Pisa, pp. 297-298.
- In volo alla conquista del segreto polare.  
Milano, A. Mondadori, 1928.
- See Arnesen, Odd: "Italia"—tragedien på nært hold.
- See Giudisi, Davide: The tragedy of the Italia; with the rescuers to the red tent.
- NOISE. See Tucker, W. S.: The problem of noise in civil aircraft and the possibilities of its elimination.
- NOMENCLATURE. See Engineer: Air or ground engineer.
- NORTH POLE. D'Amérique en Europe par le Pôle Nord.  
L'Aéronautique, 10me année, No. 108 (mai 1928), Paris, p. 146.
- See Arnesen, Odd: "Italia"—tragedien på nært hold.



- NORTH POLE.** *See* Nobile, Umberto: In volo alla conquista del segreto polare.  
 — *See* Wilkins: Le raid polaire de Wilkins.  
 — *See* Gamble, C. F. Snowden: The story of a North Sea air station.
- NORTHAMPTON.** Northampton air pageant a successful début.  
*Flight*, Vol. 20, No. 40 (Oct. 4, 1928), London, pp. 854-858, ill.
- NORTHERN LAND.** *See* Nobile: General Nobile's first flight.
- NOVILLE, G. O.** Crash!  
*Scient. Amer.*, Vol. 138 (Jan. 1928), New York, pp. 13-15, ill.
- NUNGESSER.** *See* Atlantic flight: What Nungesser's mother thinks of ocean flights.
- NUTT, ARTHUR.** The Curtiss "Challenger."  
*Aviation*, Vol. 25, No. 11 (Sept. 8, 1928), New York, pp. 808-809, 838-842, ill.
- The new Curtiss "Chieftain."  
*Aviation*, Vol. 24, No. 20 (May 14, 1928), New York, pp. 1364-1365, 1399-1403, ill.

## O

- OBATA, JUICHI, YUKIO MUNETOMO, and YAHEI YOSIDA.** Directional observations of the radio-atmospheric disturbances.  
 Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 47 (Vol. 4, 6), (December 1928), Tokyo, pp. 195-212, maps.
- OBATA, JUICHI, and YAHEI YOSIDA.** An electrical indicator for high-speed internal-combustion engines.  
 Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 28 (Vol. 2, 14), (Dec. 1927), Tokyo, pp. 397-405, ill.
- OCEAN flying.** *See* Küssner, H. G.: Das wirtschaftliche Ozeanflugzeug.  
 — *See* Lehmann, Otto: Ozeanflug-Problem und drohende Ozeanflug-Psychose.  
 — *See* Lindbergh, Charles Augustus: De technische voorbereiding van Lindbergh's oceaانvlucht.  
 — *See* Tschudi, V.: Ozeanflüge.  
 — *See* Weyl, Alfred Richard: Technische Grundlagen des Transozeanfluges.
- OCKER, WILLIAM C.** Why instruments seem to fail in fog.  
*Aeronautic Review*, Vol. 6, No. 11 (nov. 1928), Washington, D. C., p. 174, ill.
- ODDONE, EMILIO.** Sulla teoria dei barografi altimetrici e su di un apparecchio per la loro verifica nei campi d' aviazione.  
 Ministero dell' Aeronautica, Notiziario Technico di Aeronautica, Anno 6, N. 7 (Luglio 1928), Roma, pp. 25-48, ill.
- OFENSTEIN, C. L.** About glue and gluing practice.  
*Aviation*, Vol. 25, No. 27 (Dec. 29, 1928), New York, pp. 2099, 2112-2118, ill.
- How to splice a wooden wing beam.  
*Aviation*, Vol. 25, No. 4 (July 21, 1928), New York, pp. 259, 286-287, diagr.
- Notes on airplane tail surfaces.  
*Aviation*, Vol. 25, No. 12 (Sept. 15, 1928), New York, p. 868.
- The repair of damaged fuselage members.  
*Aviation*, Vol. 25, No. 6 (Aug. 4, 1928), New York, pp. 403, 430-432, diagr.
- OFFERMANN, E.** The cells of giant airplanes.  
 National Advisory Committee for Aeronautics, Technical Memorandums No. 478, September 1928, Washington, pp. 16, ill., diagrs., tabs.  
 From Offermann's "Riesenflugzeuge," 1927.

- OFFERMAN, E. Gedanken und Ideen zur "Ila" 1928.  
Zeitschr. Flugl. Motorluftsch., 19. Jahrg., Heft 23. u. 24 (20. Dez. 1928), München und Berlin, pp. 538-545, ills.
- Leistungsverbesserungen am Klemm-Daimler Leichtflugzeug.  
Der Luftweg, Heft 17, Jahrg. 1928, (10. Sept. 1928), Berlin-München, pp. 186-187.
- OGER, MARCEL. L'aéronautique française dispose cette année de 1.119.458.304 francs de crédits.  
Aéronautica, Vol. 2, No. 1 (Jan. 1928), Amsterdam, pp. 3-6, ports.
- O'HARA, R. A. Portals of the sky.  
Survey, Vol. 61 (Oct. 1, 1928), New York, pp. 9-12, ill., maps.
- OIL cooler. See Vickers-Potts: The Vickers-Potts oil cooler.
- OIL engines. See Chorlton, A. E. L.: Oil engines for aircraft and railways.  
——— See Hicks, Chester W., and Charles S. Moore: The determination of several spray characteristics of a high-speed oil engine injection system with an oscilloscope.  
——— See Joachim, W. F., and Edward G. Beardsley: The effects of fuel and cylinder gas densities on the characteristics of fuel sprays for oil engines.  
——— See Joachim, William F., and Carlton Kemper: The performance of several combustion chambers designed for aircraft oil engines.
- OLD men. See Gabbi, Umberto: Un uomo anziano in volo.
- OLMSTED, H. M. Airport and the municipality.  
American City, Vol. 38 (Jan. 1928), New York, pp. 117-119, ill., map, plan.
- OLSON, A. L., Aeronautics in Sweden.  
Aviation, Vol. 24, No. 20 (May 14, 1928), New York, pp. 1369, 1395-1397, ill.
- ONIGKEIT, OTTO. Rückblick.  
Flugwoche, 10. Jahrg., Heft 7, 1928, Berlin, pp. 169-170.
- OPEL. El cohete como motor.  
Ibérica, Año 15, Núm. 734 (30 junio 1928), Barcelona, pp. 10-12, ill.
- OREGON. Oregon aeronautic laws regulating flying and registering aviators.  
[Salem?] Oregon State Board of Aeronautics, 1928, pp. 8.  
——— See Anderson, John W.: Airport development in Oregon.
- ORGANIZATION. Organizing for aeronautical development.  
Washington, D. C., Chamber of Commerce of the U. S., 1928, pp. 31.
- ORLOVIUS, HEINZ. Spanien—Das luftsprungbrett über den Atlantic.  
Aéronautica, Vol. 2, No. 4 (April 1928), Amsterdam, pp. 58-61, ills.
- ORLY. Le concours d'avions légers d'Orly.  
La Nature, No. 2796 (1er nov. 1928), Paris, pp. 423-424.  
——— More about the Orly meeting.  
The Aeroplane, Vol. 35, No. 12 (Sept. 19, 1928), London, pp. 504-512, ill.  
——— On the Orly meeting.  
The Aeroplane, Vol. 35, No. 11 (Sept. 12, 1928), London, pp. 456-461, ill.  
——— Orly light 'plane meeting.  
Flight, Vol. 20, No. 39 (Sept. 27, 1928), London, pp. 833-834, ill., map.  
——— Orly 1928 light 'plane meeting.  
Flight, Vol. 20, No. 38 (Sept. 20, 1928), London, pp. 789-795, ill.  
——— See Carlier, André: L'aviation légère en France et a l'étranger. Le concours d'Orly.
- ORNITHOPTERS. See Manning, W. O.: Is the ornithopter possible?

- ORTEIG, RAYMOND. Testimonial dinner given to Mr. Raymond Orteig, by his friends in appreciation of the great services he has rendered aviation in the United States and France, and as an acknowledgment of his good works as a citizen of New York, Wednesday, November second, nineteen twenty-seven, Waldorf-Astoria Hotel, New York, N. Y.  
[New York? 1928], pp. 66, ills.
- O'RYAN, J. F. For safety, the air.  
North American Review, Vol. 226 (Nov. 1928), New York, pp. 616-620.
- OSBORN, EARL D. International Aeronautical Exposition.  
Aviation, Vol. 25, No. 25 (Dec. 15, 1928), New York, pp. 1982-1983, 2000-2010, ill.
- The Langley Field maneuvers.  
Aviation, Vol. 24, No. 20 (May 14, 1928), New York, pp. 1368, 1397-1399, ill.
- OSBORN, ROBERT R. The Curtiss "Robin."  
Aviation, Vol. 24, No. 21 (May 21, 1928), New York, pp. 1450-1451, 1482-1483, ill.
- The Roosevelt Field runway.  
Aviation, Vol. 24, No. 8 (Feb. 20, 1928), New York, pp. 442-443, ill.
- OSCILLOSCOPE. See Hicks, Chester W., and Charles S. Moore: The determination of several spray characteristics of a high-speed oil engine injection system with an oscilloscope.
- OSTIA. See Tanartini, Lello: Progetto per l' aeroporto civile di Ostia.
- OWEN, RUSSELL. The Byrd Antarctic expedition.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, pp. 510-512, ill., map.
- Lindbergh's historic Central American flight.  
Current History Magazine of N. Y. Times, Vol. 28 (April 1928), New York, pp. 89-96.
- OXFORD UNIVERSITY. The Oxford University air squadron.  
The Aeroplane, Vol. 35, No. 5 (Aug. 1, 1928), London, pp. 252-256, ill.

## P

- P., C. Al margini della storia. La prima scuola militare di aeronautica.  
Rivista Aeronautica, Anno 4, N. 9 (Sett. 1928), Roma, pp. 663-665.
- PACER. The Pacer monoplane.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, p. 604, diagr.  
Aviation, Vol. 25, No. 4 (July 21, 1928), New York, pp. 262, 284-285, ill.
- PACIFIC. Across the Pacific by air.  
Flight, Vol. 20, No. 23 (June 7, 1928), London, pp. 419-420, map.  
Southern Cross.
- The first trans-Pacific flight.  
The Aeroplane, Vol. 34, No. 24 (June 13, 1928), London, p. 834  
Southern Cross.
- Hop, skip, and jump across the Pacific.  
Literary Digest, Vol. 97 (June 16, 1928), New York, pp. 5-7, ill., map
- Successful flight from America to Australia.  
Current History Magazine of N. Y. Times, Vol. 28 (July 1928), New York, pp. 652-653, map.
- PACKER, A. H. Airplane engine ignition.  
Aviation, Vol. 25, No. 19 (Nov. 3, 1928), New York, pp. 1408, 1432, 1434, 1408, ill.
- PADILLA, F. M. DE. Aviación civil.  
Madrid, Peña Cruz.
- PAGE, FREDERICK HANDLEY. 16th Wilbur Wright memorial lecture.  
Journ. Roy. Aer. Soc., Vol. 32, No. 212 (Aug. 1928), London, pp. 649-705, ills
- Slotted wings and the automatic slot  
Engineering, Vol. 126, No. 3265 (Aug. 10, 1928), London, pp. 180-182, ill.



- PAGE, VICTOR WILFRED. Everybody's aviation guide.  
New York, Norman W. Henley Publishing Company, 1928, pp. 256, ills.
- Modern aircraft: Basic principles, operation, application, construction, repair, maintenance; a simplified text for school or home study.  
London, Isaac Pitman and Sons., Ltd., 1928, pp. 872.
- PAINTER, K. M. Making aircraft airworthy.  
Pop. Mech., Vol. 50 (Oct. 1928), Chicago, pp. 580-585, ill.
- PALLAVICINO, CESARE. La pratica e la teoria nell' autonomia degli aerei.  
Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 38-46, diags.
- Tracciamento di profili alari. Calettamento della cellula rispetto alla fusoliera.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 195-203, diags., ills.
- PANDER. *See* Reyneker, F. H.: Het nieuwe Pander vliegtuig.
- PANETTI, M. Deduzione della polare dell'apparecchio dalla polare della velatura principale.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 204-211, ills., tabs.
- PARACHUTES. An interesting new parachute. The Russell "Lobe" type.  
Flight, Vol. 20, No. 20 (May 17, 1928), London, pp. 369-370, 373, ill.
- Leaping for a world's record with a parachute.  
Literary Digest, Vol. 99 (Nov. 10, 1928), New York, pp. 70-74.
- Un paracadute per salvataggio di un intero aeroplano.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 547-550, ills.
- Parachutes for the entire plane.  
Scient. Amer., Vol. 139 (Nov. 1928), New York, p. 448, ill.
- Parachuting.  
Flight, Vol. 20, No. 51 (Dec. 20, 1928), London, p. 1071, ill.
- Plane-size parachute.  
Literary Digest, Vol. 99 (Oct. 27, 1928), New York, p. 28, ill.
- *See* Bache, R.: Dummy flyers make air safe.
- *See* Freri, Prospero: Il salvataggio aereo.
- *See* Fucini, Mario: Una dicesa con paracadute.
- *See* Galli-Brequet: Il paracadute lancia-pacci Galli-Briquet.
- *See* Guglielmetti, Aldo, ed A. R. Tripodi: Di una serie di ricerche e di esperienze sui paracadute.
- *See* Guglielmetti, Aldo, e A. R. Tripodi: Diagrammi dinamometriche dello spiegamento dei paracadute.
- *See* Hydravion: Het Irving valseherm.
- *See* Mastrosanti, Remo: Il problema del salvataggio aereo attraverso i secoli e la sua odierna risoluzione.
- *See* Müller, Waldemar: Parachutes for aircraft.
- *See* Neely, Frederick R.: Parachutes in civil and commercial aviation.
- *See* Safety: Sauvetages en parachutes.
- *See* Teofilato, Pietro: Sul moto di un paracadute.
- PARAFFIN. *See* Accidents: How a paraffin coat prevented a transatlantic flight.

- PARAGON. Paragon Monoid propeller.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, p. 934.
- PARI, G. A., e A. SACCHETTO. L'azione del fumo sugli apparecchi digerente e circolatorio.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 603-604.
- PARIS. Ce qu'on verra au Salon de Paris.  
Aéronautica, Vol. 2, No. 6 (June 1928), Amsterdam, pp. 108-115, ills.
- Engines at the Paris show.  
The Aeroplane, Vol. 35, No. 3 (July 18, 1928), London, pp. 158-169, ill.
- Exposition et conférences sur les instruments de navigation aérienne (Paris, 19-28 mai 1928).  
Le Genie Civil, T. 92, No. 20 (19 mai 1928), Paris, p. 500.
- The XIth "Salon aéronautique."  
Aéronautica, Vol. 2, No. 6 (June 1928), Amsterdam, pp. 103-104.
- Le XIe Salon. L'exposition officielle.  
L'Aérophile, VIe Salon de l'aéronautique, 29 juin-15 juil. 1928, Paris, pp. 45.
- Le onzième Salon de Paris.  
L'Aéronautique, 10me année, No. 111 (août 1928), Paris, pp. 269-276, ills.
- The Paris aero show 1928.  
Flight, Vol. 20, Nos. 27-30 (July 5-July 26, 1928), London, pp. 569-573, 596-600, 609-614, 620, 626-629, ill.
- See Giannini, Amedeo: Sulla revisione della Convenzione di Parigi per il regolamento della navigazione aerea.
- See Gosslau, F.: Flugzeuge der elften Pariser Luftfahrt-Ausstellung.
- See Granet, André: La XIème Exposition Internationale de l'Aéronautique.
- See Maroles, R. J. de: Die diesjährige Pariser Luftfahrtausstellung.
- See Martucci, Mario: Impressioni sulla XI mostra aeronautica di Parigi.
- See Schulz, R.: Die Flugzeuge auf der XI. Luftfahrzeug-Ausstellung Paris.
- See Seyffardt, H. A.: Parijsche Brief.
- See Weidinger, Hanns: Die Flugmotoren im XI. Pariser Aero-Salon.
- See Wittekind, Fritz: Betrachtungen zur XI. Pariser Luftfahrzeug-Ausstellung.
- PARK, W. E. Airscrews.  
Journ. Roy. Aer. Soc., Vol. 32, No. 212 (Aug. 1928), London, pp. 706-720, ills.
- Speeding up production in the factory.  
Aviation, Vol. 24, No. 21 (May 21, 1928), New York, p. 1453.
- The value of advertising.  
Aviation, Vol. 24, No. 7 (Feb. 13, 1928), New York, pp. 374-376, ill.
- PARKER, WILLIS. Airplane factory inventory.  
Aviation, Vol. 24, No. 11 (Mar. 12, 1928), New York, pp. 635, 650.
- Alexander Production.  
Aviation, Vol. 25, No. 21 (Nov. 17, 1928), New York, pp. 1562, 1577-1578, ill.
- Assembly methods in the Stearman factory.  
Aviation, Vol. 24, No. 26 (June 25, 1928), New York, pp. 1841, 1861-1862.
- Reducing the cost of fire insurance.  
Aviation, Vol. 24, No. 22 (May 28, 1928), New York, pp. 1521, 1549-1550

- PARKER, WILLIS. Reducing loss and damage in the airplane factory.  
Aviation, Vol. 25, No. 3 (July 16, 1928), New York, pp. 179.
- Selling airplanes on a time basis.  
Aviation, Vol. 25, No. 17 (Oct. 20, 1928), New York, pp. 1254-1255.
- PARNALL. The Parnall Imp.  
The Aeroplane, Vol. 34, No. 13 (Mar. 28, 1928), London, p. 422a, ill.  
Flight, Vol. 20, No. 15 (Apr. 12, 1928), London, pp. 239-242, 256, ill., diagr.
- The Parnall "Imp." A new British light airplane.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 72, Washington, May 1928, pp. 7, ill.
- PARODI, FELICE. La valutazione del senso muscolare negli aviatori.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 605-607.
- PARSEVAL, AUGUST V. Formeln für die Meridian-Ebene eines Luftschiffkörpers.  
Zeitsch. Flugt. Motorluftsch., 19. Jahrg., Heft 21 (14. Nov. 1928), München und Berlin, pp. 493-495, ill.
- PASCAL, M. Sul profilo laminare rettilineo.  
Atti della Reale Accademia Nazionale dei Lincei, Anno 325, 1928 (VI), Rendiconti, Vol. 7, Fasc. 7 (Aprile 1928), Roma, pp. 548-551.
- PASQUALINI, CLODOVEO. La resistenza dell'aria per corpi sferici a media e grandissima velocità.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 212-229, ill., tabs.
- PASTORE, FRANCESCO. La percezione della profondità e suoi fattori.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 603-623, ill., tabs.
- PATÉ, HENRI. Ce qu'il faut que la France fasse.  
Aéronautica, Vol. 2, No. 6 (June 1928), Amsterdam, pp. 106-107, port.
- PATENTS. See Stanley, Arthur H.: The use of patents on foreign aircraft.
- PATRICK, MASON MATHEWS. Army Air Corps annual report.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, pp. 11, 127-132, ill.
- The United States in the air.  
Garden City, New York, Doubleday, Doran and Company, 1928, pp. xi, 191, ill.
- PAULHAN-PILLARD. Hydravion S.-P.-C.-A. Paulhan-Pillard.  
La Nature, No. 2792 (1er sept. 1928), Paris, p. 228.
- PEGNA e GABRIELLI. Esperienze sul contributo della copertura sulla rigidità a torsione delle ali.  
L' Aerotechnica, Vol. 8, N. 11 (Nov. 1928), Anno 6, Pisa, pp. 885-895, ill., diagrs., tabs.
- PELLEGRINI, RINALDO. Criteri di valutazione del danno nel sinistro militare, con particolare riguardo alla aviazione.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 624-636.
- Il metodo del "tutto o niente" in aviazione.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 637-644.
- PELLERIER, MAURICE. See Bourdariat, Edouard: L'exposition du peintre Maurice Pellerier a l'Aero-Club de France.



PENNSYLVANIA. Commonwealth of Pennsylvania. Department of Internal Affairs. Bureau of Aeronautics. General rules and regulations governing aeronautics adopted by the Department of Internal Affairs and approved by the State Aeronautic Commission. Adopted and approved June 6, 1928. Effective July 1, 1928. Under acts of assembly of April 13, 1927, P. L. 207 and April 26, 1927, P. L. 389.

Harrisburg, Pa., 1928, pp. 76, ill., diags.

PENZO, PIER LUIGI. *See* Baldo, Italo: Guidoni, Del Prete, Penzo.

PERFORMANCE. *See* Diehl, Walter S.: The reduction of observed airplane performance to standard conditions.

— *See* Schrenk, Martin: Calculation of airplane performances without the aid of polar diagrams.

— *See* Stevens, H. L.: The reduction of performance tests.

PERICLE, GAMBA. L'aeroplano in aereologia.

IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 83-92, ills., diags.

PERRING, W. G. A. The theoretical pressure distribution around Joukowski aerofoils.

Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 209-221, diags., tabs.

— The theoretical relationships for an aerofoil with a multiple hinged flap system.

Aeronautical Research Committee, Reports and Memoranda No. 1171, (Ae. 335), April 1928, London, 1928, pp. 14, ill., diags., tabs.

PERRING, W. G. A., 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 airfoil.

Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 176-180, ills., diags.

PERRING, W. G. A. Wind-tunnel tests with high tip speed airscrews. The characteristics of airscrew section R. & M. 322, No. 4, and R. A. F. 32.

Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. I, London, 1928, pp. 352-359, diags., tabs.

— *See* Douglas, G. P., and W. G. A. Perring: Wind-tunnel tests with high tip speed airscrews. The characteristics of a biconvex aerofoil at high speeds.

— *See* Douglas, G. P., and W. A. G. Perring: Wind-tunnel tests with high tip speed airscrews. The characteristics of a conventional airscrew section, aerofoil R. & M. 322, No. 3, at high speeds.

— *See* Douglas, G. P., and W. G. A. Perring: Wind-tunnel tests with high tip speed airscrews. The characteristics of the aerofoil section R. A. F. 31a at high speeds.

PERU. *See* Farrar, F. P.: Peruvian aviator of the eighteenth century.

PERZALL, ERWIN. Vom Flugwesen in Sowjetrussland.

Flug-Woche, 10. Jahrg., Heft 3, 1928, Berlin, p. 74.

PETER, KARL. Spornstreichche.

Flug-Woche, 10. Jahrg., Hefte 5-6, 1928, Berlin, p. 135.

PETERSON, PETER. Praktische Winke für die Werkstatt.

Flug-Woche, 10. Jahrg., Heft 8, 1928, Berlin, pp. 206-207, ills.

- PETERSON, PETER. Das Schweissen von Duralumin in Flugzeugbau.  
Flug-Woche, 10. Jahrg., Heft 4, 1928, Berlin, pp. 117-118.
- Wirtschaftlichkeit im Flugzeugbau.  
Flugwoche, 10. Jahrg., Hefte 1, 7, 1928, Berlin, pp. 10, 183-198, ills.
- Zur Berechnung von Kasten- und I-Holmen.  
Flug-Woche, 10. Jahrg., Heft 11, 1928, Berlin, p. 345, diagr.
- PEYRET-NESSLER. Avionette Peyret-Nessler de 12 chevaux.  
La Nature, No. 2787 (15 juin 1928), Paris, p. 571, ill.
- PEYRILLER, EDOUARD. Les leçons de Clio.  
L'Aérophile, 36e année, Nos. 17-18 (1er-15 sept. 1928), Paris, pp. 270-271.
- PHILLIPS LAMP. A new lamp for aircraft.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 35, No. 18 (Oct. 31, 1928), London, pp. 744, 746, diagr.
- PHOTOGRAMMETRY. See Forucade, H. G.: A new method of aerial surveying.  
The principal point and principal distance in photogrammetry.
- PHOTOGRAPHY. Luftbild und Luftbildmessung.  
Berlin, Hansa Luftbild G. m. b. H.
- The mechanical plotting of air photographs.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 34, No. 26 (June 27, 1928), London, pp. 907-914, ill., diagr.
- Un nouvel appareil de photorestitution.  
L'Aéronautique, 10me année, No. 112 (sept. 1928), Paris, p. 311, ill.  
Gallus.
- Record-breaking altitude photographic flights.  
Aeronautic Review, Vol. 6, No. 10 (Oct. 1928), Washington, D. C., p. 153, ill.
- Il volo per rilievi aerofotografici.  
Rivista Aeronautica, Anno 4, N. 2 (Fev. 1928), Roma, pp. 329-347, ills.
- See Barendregt, J.: Hoogteberekening van vliegtuigen door middel van  
luchtfotografie.
- See Batut, R.: La photographie. Un précurseur.
- See Brunner, Karl H.: Weisungen der Vogelschau.
- See Carlier, André: La photographie aérienne. Les vues panoramiques.  
La topographie. La cartographie.
- See Hotine, M.: The steresocopic examination of air photographs.
- See Krahrmer, E. R.: Ein neues aerophotogrammetrisches Auswertein-  
strument.
- See Reeves, Dache M.: Aerial photographs.
- See Wijn, J. W.: Aerial photography at the Ila.
- See Winchester, Clarence and F. L. Wills: Aerial photography: A com-  
prehensive survey of its practice and development.
- PHYSIOLOGY. See Accordinti, Vincenzo: Importanza del senso di movimento  
rotatorio in aviazione. Esperienze su sordomuti.
- See Flack, Martin: The physiological effects of flying.
- See Matsumoto, M., K. Tanaka, and I. Terazawa: Physiological test and  
physiological experiments tried on Mt. Huzi.
- See Medicine: Physiology of flying.
- See Parodi, Felice: La valutazione del senso muscolare negli aviatori.

- PIERLUIGI, TORRE. Metodo approssimato per la determinazione della quota di tangenza teorica quando sia conosciuta la polare dell' apparecchio.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 500-504, ill.
- PIERSON, R. K. The use of the wind channel for performance prediction.  
Journ. Roy. Aer. Soc., Vol. 32, No. 206 (Feb. 1928), London, pp. 96-126, ills., diags.
- PILCHER, PERCY S. De baanbrekers der dynamische luchtvaart. XI. Percy S. Pilcher.  
Het Vliegveld, 12de Jaarg., No. 1 (Jan. 1928), Amsterdam, pp. 22-24, ills.
- PILGRIM, M. v. Technische Fortschritte beim Rhön-Segelflugwettbewerb 1928.  
Zetischr. Ver. deutsch. Ing., Bd. 72, Nr. 51 (22. Dez. 1928), Berlin, pp. 1887-1890, ills.
- PILOT balloons. *See* Eredia, Filippo: La determinazione della forza ascensionale dei palloni piloti.
- PILOTS. How much can an aviator make?  
Literary Digest, Vol. 99 (Nov. 24, 1928), New York, pp. 60-61.
- Medical examinations.  
Flight, Vol. 20, No. 20 (May 17, 1928), London, p. 366.
- Now it's birdgirls, and young ones at that.  
Literary Digest, Vol. 96 (Feb. 18, 1928), New York, pp. 64-66.
- Vikings of the air.  
Nation, Vol. 126 (April 5, 1928), New York, p. 477.
- *See* Brion, Maurice: Evolution des methodes de l'instruction au pilotage.
- *See* Flandin, M. P. E.: Le statut du personnel navigant de l'aéronautique est adopté par la chambre des députés.
- *See* Gemelli, Agostino: Osservazioni generali di psicotecnica sulla selezione dei piloti di aviazione.
- *See* Great Britain: The medical examination of civilian aviators.
- *See* United States Department of Commerce: Directory of licensed pilots. July 31, 1928.
- *See* United States Department of Commerce: Physical standards for airplane pilots. Revised August 1, 1928.
- PINEDO, FRANCESCO DE. By seaplane to six continents.  
Nat. Geogr. Mag., Vol. 54 (Sept. 1928), Washington, pp. 247-301, ill., map.
- Il mio volo attraverso l' Atlantico e le due Americhe.  
Milano, Uirico Hoepli, editore, 1928, pp. 280, ills.
- Over a green inferno.  
Living Age, Vol. 334 (Feb. 1, 1928), New York, pp. 226-228.  
Brazil.
- PIPPARD, ALFRED JOHN SUTTON. Strain energy methods of stress analysis.  
London, Longmans Green & Co., Ltd., 1928, pp. x, 146.
- PISTOLESI, E. Calcolo della linea elastica dell'elica.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 436-451, diags.
- Calcolo delle eliche.  
Ministero dell' Aeronautica, Notiziario Tecnico di Aeronautica, Anno 6, N. 11 (Nov. 1928), Roma, pp. 1-80, ills., diags., tabs.
- Contributo allo studio dell'elica in un vento laterale.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 230-244, ills.



- PISTOLESI, E. Nuove considerazioni sul problema dell'elica in un vento laterale.  
L'Aerotechnica, Vol. 8, N. 3 (Marzo 1928), (Anno 6), Pisa, pp. 177-192, ills.
- Problemo di eliche.  
L'Aerotechnica, Vol. 8, N. 10 (Ott. 1928), Anno 6, Pisa, pp. 737-757, ills., diags.
- PISTONS. See Fleury, R. de: Sur les pistons d'aluminium.
- PITCAIRN. Pitcairn sport Mailwing.  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, p. 802, ill.
- See LePage, W. Laurance: Pitcairn progress in 1927.
- PITCH. See Milner, H. L.: Variable-pitch propellers.
- PITSCHIEDER, G. B. Criteri restrittivi nella scelta dei materiali da usarsi nelle costruzioni aeronautiche.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma, 1928, pp. 452-461.
- PLEINES, WILHELM. Die deutschen Flugmotoren und der Gegenwärtige Stand ihrer Entwicklung.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 259-261.
- Englische Flugzeugbauverfahren.  
Flug-Woche, 10. Jahrg., Hefte 2-4, 8, 11, 12, 1928, Berlin, pp. 49-52, 86-87, 118-120, 203-205, 346-349, 372-375, ills.
- Die Flugmotoren auf der "Ila"—Berlin.  
Flug-Woche, 10. Jahrg., Heft 10, 1928, Berlin, pp. 297-305, ills.
- PLYWOOD. Plywood airplane parts.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 744, ill.
- POCHHAMMER, B. "Die Arktis und das Luftschiff."  
Der Luftweg, Heft 1, Jahrg. 1928, (10. Jan. 1928), Berlin, München, pp. 4-5.
- Luftschifftechnisches zur Frage der arktischen Forschung.  
Der Luftweg, Heft 14, Jahrg. 1928, (25. Juli 1928), Berlin-München, pp. 156-157.
- POCHHAMMER, D. B. Das Luftschiff auf der "Ila."  
Flug-Woche, 10. Jahrg., Heft 10, 1928, Berlin, p. 309.
- POINCARÉ. La mesure du couple moteur en vol.  
L'Aérophile, 36e année, Nos. 19-20 (1er-15 oct. 1928), Paris, pp. 309-312, ills.
- Les moteurs à injection et leur application à l'aviation.  
La Technique Aéronautique, 19e année, No. 86 (15 déc. 1928), Paris, pp. 194-213, ills.
- POLAR diagrams. See Schrenk, Martin: Calculation of airplane performances without the aid of polar diagrams.
- See Schrenk, Martin: A few more mechanical-flight formulas without the aid of polar diagrams.
- POLLARD, H. J. Metal construction development.  
Aircraft Engineer suppl. to Flight, Vol. 20, Nos. 4, 8, 13, 22, 25, 29, 35, 43, 52 (Jan. 26, Feb. 23, Mar. 29, May 31, June 21, July 19, Aug. 30, Oct. 25, Dec. 27, 1928), London, pp. 54a-54c, 116a-116c, 212a-212c, 404a-404c, 464a-464c, 514a-614d, 748a-748d, 936c-936f, 1086a-1086b, ill., diag.
- Metal construction development at the Berlin aero show.  
Aircraft Engineer, suppl. to Flight, Vol. 20, No. 48 (Nov. 29, 1928), London, pp. 1020a-1020d, ill., diag.
- POLLOGG, CARL HANNS. The German Dirigible, L. Z. 127.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 448, 450, ill.
- Test flights of the Graf Zeppelin.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, p. 896.
- POLTER, R. K. Nachtangriff auf Boulogne.  
Flug-Woche, 10. Jahrg., Heft 3, 1928, Berlin, pp. 75-76.

- PORT, THEO. DE. Determination of stresses in landing gears and design of shock-absorbing units. Part I.  
Air Corps Information Circular, Vol. 7, No. 602 (Nov. 1, 1927), Washington, Government Printing Office, 1928, pp. 12, diags.
- Study of horizontal tail surfaces of consolidated XPT-3 (NY-1). (First article before changes were made.)  
Air Corps Information Circular, Vol. 7, No. 615 (Aug. 15, 1928), Washington, Government Printing Office, 1928, pp. 8, ill., diags.
- PORTEZ. L'évolution technique de Portez.  
L'Aéronautique, 10me année, No. 112 (sept. 1298), Paris, p. 306, ill.
- PORTLAND. See Anderson, John W.: Portland's island airport.
- PORTO RICO. Col. Charles A. Lindbergh, "messenger of peace and good will." Greetings from the public schools of Porto Rico. January, 1928. Issued by the Department of Education.  
San Juan, P. R. [1928], pp. 20, ills.
- PORTUGAL. See Lobo d'Avila Lima, J.: Contribution des Portugais au développement de la navigation aérienne.
- PORTUGAL-AFRICA. The Portuguese flight to Africa.  
Flight, Vol. 20, No. 37 (Sept. 13, 1928), London, p. 777, ill.  
Capts. Pais Ramos and Oliveira Viegas.
- POTEZ. Appareil bimoteur Potez 35.  
La Nature, No. 2799 (15 déc. 1928), Paris, p. 569, ill.
- POTOMAC. See Rosenleet, Aaron M.: Potomac Flying Service, Inc.
- POWELL, THOMAS CARR. "Airplanes and terminals," address before the Western Railway Club, Hotel Sherman, Chicago, Illinois, May 7, 1928.  
[Chicago? 1928], pp. 26.
- POWER. See Gove, W. D.: The variations in engine power with altitude determined from measurements in flight with a hub dynamometer.
- See Lademann, Robert W. E.: Rund um die Rakete.
- See Lorin, R.: À propos de l'autofusée.
- POWER plants. See Insley, Robert: Power-plant laboratory standard test methods and computations.
- PRANDTL, L. Motion of fluids with very little viscosity.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 452, March 1928, Washington, pp. 10, ill.  
From "Vier Abhandlungen zur Hydrodynamik und Aerodynamik," Göttingen, 1927.
- Vorführung eines hydrodynamischen films.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, p. 133.
- See Borck, H.: Zur Leistungsanalyse der Flugzeuge.
- PRATT AND WHITNEY AIRCRAFT COMPANY. Pratt and Whitney engine handbook.  
Hartford, Conn., The Pratt and Whitney Aircraft Company, 1928, ills.
- PRESSMAN, MILDRED BRIGETTA. Selected list of books and articles on aeronautics for the insurance underwriter, covering: airplane construction and design, development and uses, insurance, hazards and safeguards, laws and regulations.  
New York, Library of National Bureau of Casualty and Surety Underwriters, 1928, pp. 29.
- PRESSURE capsules. See Griffith, A. A.: The theory of pressure capsules. Part I.—General discussion. Part II.—The complete flat disc without control spring.

- PRETE, MAGGIORE CARLO DEL. *See* Bado, Italo: Guidoni, Del Prete, Penzo.
- PRIMAUGUET. *L'aviation de bord et la croisière du "Primauguet."*  
L'Aéronautique, 10me année, No. 105 (fév. 1928), Paris, pp. 31-34, ill.
- *See* Blanchet, Georges: La croisière du "Primauguet" autour du monde.
- PRIVATE flying. Private flying in 1928. Table of owners of private aircraft.  
Flight, Vol. 20, No. 52 (Dec. 27, 1928), London, pp. 1090-1091.
- PROBLEMS. *See* Everling, E.: Aufgaben der Luftfahrt.
- PRODUCTION. Large-scale airplane production.  
Aviation, Vol. 24, No. 6 (Feb. 6, 1928), New York, p. 320, ill.
- Production problems of the aircraft industry.  
The Aeroplane, Vol. 35, No. 25 (Dec. 19, 1928), London, p. 982
- PRÖLL, A. Der start schwer belasteter Flugzeuge.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 2 (28. Jan. 1928), München und Berlin, pp. 25-30, ill., diagrs.
- Take-off of heavily loaded airplanes.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 460, April 1928, Washington, pp. 18, ill.  
From "Zeitschrift für Flugtechnik und Motorluftschiffahrt" January 28, 1928.
- PROGRESS. Progress in aeronautics. Contributed by the Aeronautics Division.  
Executive committee: Edwin E. Aldrin, Chairman, Alexander Klemin, Secretary, William Knight, Archibald Slack, Elmer A. Sperry and William F. Durand.  
Mech. Eng., Vol. 50, No. 1 (Jan. 1928), New York, pp. 48-54, ill.
- Progress since Lindbergh's flight.  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, p. 772, ill., map.
- *See* Klemin, Alexander: Progress in aeronautics.
- PROJECTILES. *See* Grouard, A.: De la resistance de l'air au mouvement des projectiles.
- PROPELLERS. Comparison of wind-tunnel tests with flight tests on a number of detachable-blade propellers made from the same plan form.  
Air Corps Information Circular, Vol. 7, No. 632 (Nov. 24, 1928), Washington, United States Government Printing Office, 1929, pp. 8, diagrs.
- The Turnbull variable-pitch propeller.  
Aviation, Vol. 24, No. 8 (Feb. 20, 1928), New York, pp. 446-448, ill.
- The variable pitch airscrew.  
Flight, Vol. 20, No. 16 (Apr. 19, 1928), London, pp. 269-270.
- *See* Betz, A.: Considerations on propeller efficiency.
- *See* Betz, A.: Propeller problems.
- *See* Betz, A.: Der Wirkungsgradbegriff beim Propeller.
- *See* Blain, Maurice: L'hélice et l'avion de demain.
- *See* Caldwell, F. W.: Section properties of a series of airfoils suitable for propeller design.
- *See* Coales, J. D.: Charts for the calculation of airscrew thrust and torque coefficients.
- *See* Cosci, Domenico: Calcolo delle caratteristiche funzionali dell' elica basato sulla considerazione dell' incidenza effettiva.
- *See* Crowley, J. W., jr., and R. E. Mixson: Characteristics of five propellers in flight.



- PROPELLERS. *See* Da Rios, L. S.: Il propulsore a risucchio e a reazione.
- *See* De Glymes, Raoul: L'adaptation des propulseurs "Schul" aux avions.
- *See* Douglas, G. P.: Experiments on model airscrews at high tip speeds.
- *See* Douglas, G. P., and W. G. A. Perring: Wind-tunnel tests with high tip speed airscrews. The characteristics of a biconvex aerofoil at high speeds.
- *See* Douglas, G. P., and W. G. A. Perring: Wind-tunnel tests with high tip speed airscrews. The characteristics of biconvex No. 2 aerofoil section at high speeds.
- *See* Douglas, G. P., and W. G. A. Perring: Wind-tunnel tests with high tip speed airscrews. The characteristics of the aerofoil section R. A. F. 31a at high speeds.
- *See* Ferrari, Carlo: Esperienze sulla configurazione del flusso nella scia di un' elica autorotante.
- *See* Ferrari, Carlo: Sul problema dell' elica con vento laterale.
- *See* Flachsbart, O.: Theorie der Hubschraube.
- *See* Gabrielli, G.: Un metodo approssimato pel progetto delle eliche aeree.
- *See* Glauert, H., and C. N. H. Lock: The accuracy of the vortex theory of airscrews in the light of recent experimental work and its application to airscrew design.
- *See* Glauert, H.: The efficiency of an airscrew.
- *See* Glauert, H.: On the vertical ascent of a helicopter.
- *See* Havill, C. H.: Development of aircraft propellers.
- *See* Heim, A. L.: Special propeller protractor.
- *See* Hele-Shaw, H. S., and T. E. Beacham: The variable-pitch airscrew, with a description of a new system of hydraulic control.
- *See* Kawada, Sandi: On the fundamental principles of the vortex theory of airscrews.
- *See* Kirsten, F. K.: A new type of propeller.
- *See* Lock, C. N. H.: Analysis of experiments on an airscrew in various positions within the nose of a tractor body.
- *See* Lyon, A. J.: Etching of aluminum alloy propellers.
- *See* Margoulis, W.: Applications de la théorie tourbillonnaire des hélices propulsives de Joukowski.
- *See* Mastromatteo, V.: Sull' applicazione del metodo dell' allungamento virtuale alla determinazione delle caratteristiche del propulsore.
- *See* Milner, H. L.: Variable-pitch propellers.
- *See* Mitchell, R. J., P. A. Ralli, and G. S. Wilkinson: Quelques détails complémentaires sur les hydravions anglais de la coupe Schneider 1927; les hélices par P. A. Ralli.
- *See* Park, W. E.: Airscrews.
- *See* Perring, W. G. A.: Wind-tunnel tests with high tip speed airscrews. The characteristics of airscrew section R. & M. 322, No. 4, and R. A. F., 32.

- PROPELLERS. *See* Pistolesi, E.: Calcolo della linea elastica dell' elica.
- *See* Pistolesi, E.: Calcolo delle eliche.
- *See* Pistolesi, E.: Contributo allo studio dell' elica im un vento laterale.
- *See* Pistolesi, E.: Nuove considerazioni sul problema dell' elica in un vento laterale.
- *See* Pistolesi, E.: Problemo di eliche.
- *See* Ralli, P. A.: Part II. Design of airscrews for Schneider trophy race 1927.
- *See* Roy, Maurice: Sur l'aérodynamique des ailes sustentatrices et des hélices.
- *See* Sante da Rios, Luigi, ed A. Vecellio: Sul campo delle pressioni determinato da un' elica rotante a punto fisso.
- *See* Sante da Rios, Luigi: Sulla sustentazione delle eliche con anello.
- *See* Scuola di Ingegneria di Torino: Diagrammi logaritmici di eliche raccolte in 25 famiglie relative al rapporto fra passo e diametro.
- *See* Serragli, G.: L' effetto sostentativo di un' elica in induzione con una superficie portante.
- *See* Townsend, H. C. H., and J. H. Warsap: Tests of a metal airscrew in a closed tunnel for comparison with American tests in an open-jet tunnel.
- *See* Troller, Theodor: Influence of fuselage on propeller design.
- *See* Troller, Theodor: Zur Berücksichtigung des Rumpfes beim Luftschraubenentwurf.
- *See* Weick, Fred E.: Determination of propeller deflection by means of static load tests on models.
- *See* Weick, Fred E.: The effect of the Sperry Messenger fuselage on the air flow at the propeller plane.
- *See* Weick, Fred E.: Full-scale tests on a thin metal propeller at various tip speeds.
- *See* Weick, Fred E., and Donald H. Wood: The twenty-foot propeller research tunnel of the National Advisory Committee for Aeronautics.
- *See* Woodward Nutt, A. E.: The change in airscrew characteristics with height.
- *See* Younger, J. E.: Preliminary study of fatigue failures of metal propellers caused by engine impulses and vibrations.
- PROTRACTORS. *See* Heim, A. L.: Special propeller protractor.
- PRYOR, EDWIN W. The all-Kansas air tour.  
Aeronautic Review, Vol. 6, No. 3 (March 1928), Washington, D. C., pp. 36, 46.
- Covering a state by air.  
Aeronautic Review, Vol. 6, No. 4 (April 1928), Washington, D. C., p. 53.
- PSYCHOLOGY. *See* Erilsen, E. C.: New psychological tests for pilots.
- PT-3. *See* Wings: Consolidated PT-3 airplane wing cellule in high and low incidence.
- PULLMAN. Air pullman.  
Scient. Amer., Vol. 138 (June 1928), New York, pp. 547-548, ill.

- PUMPS.** *See* Farman: Pompe Farman à engrenages.
- PURITAN.** "Puritan" airship.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, p. 446, ill.
- PUTMAN, R. L.** Blind men, elephants, business men, and aviation.  
Magazine of Business, Vol. 54 (Dec. 1928), Chicago, pp. 693-696.
- Business flight to the Pacific coast.  
Magazine of Business, Vol. 54 (Nov. 1928), Chicago, pp. 543-546, ill., map.
- PUVREZ, PAUL.** Contribution au problème du choix des ailes.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 462-466.
- Perfectionnements approtés aux procédés de mesure, à la Soufflerie de Rhode St. Genèse (Belgique).  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 245-283, ills., diags., tabs.
- PY, GAËTAN.** Progrès de la métallurgie et leur influence sur l'aéronautique.  
Paris, Blondel La Rougerie.
- PYE, D. R.** The high-duty compression-ignition engine.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 810-824, diag., tabs.

## R

- R-100.** The design and construction of R-100.  
The Aeroplane, Vol. 34, No. 20 (May 16, 1928), London, p. 702.
- El dirigible inglés "R-100."  
Iberica, Año 15, No. 733 (23 junio 1928), Barcelona, p. 392.
- R-100, latest British airliner.  
Scient. Amer., Vol. 138 (April 1928), New York, pp. 334-335, ill.
- La recentissima aeronave inglese "R-100."  
Rivista Aeronautica, Anno 4, N. 7 (Luglio 1928), Roma, pp. 179-182, ills.
- A visit to R-100.  
The Aeroplane, Vol. 35, No. 25 (Dec. 19, 1928), London, pp. 982-984.
- R-101.** H. M. Airship R-101.  
Flight, Vol. 20, No. 15 (Apr. 12, 1928), London, p. 252.
- Building the structure of R-101.  
Aircraft Engineer, suppl. to Flight, Vol. 20, No. 48 (Nov. 29, 1928), London, pp. 1020e-1020p, ill., diag.
- Machinery installation of R-101.  
Flight, Vol. 20, No. 46 (Nov. 15, 1928), London, p. 988.
- The machinery of R-101.  
The Aeroplane, Vol. 35, No. 20 (Nov. 14, 1928), London, p. 810.
- A visit to the R-101.  
The Aeroplane, Vol. 35, No. 9 (Aug. 29, 1928), London, pp. 404-406, ill.
- R. V.** Avions contre cuirassés.  
La Nature, No. 2783 (15 avril 1928), Paris, pp. 367-368, ill.
- Le nouveau dirigeable rigide "Comte-Zeppelin."  
La Nature, No. 2796 (1er nov. 1928), Paris, pp. 411-414, ill.
- RAAB-KATZENSTEIN.** Raab-Katzenstein.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 246-247, ill.
- RACES.** The American national air races.  
The Aeroplane, Vol. 35, No. 15 (Oct. 10, 1928), London, pp. 614, 616.



- RACKWITZ, E.** Kraftstoffe für Flugmotoren und deren Beurteilung.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 135-139.
- RADCLIFFE, FRANK.** The application of aerodynamic data to the structural design of aircraft.  
Aircraft Engineer, suppl. to Flight, Vol. 20, No. 25 (June 21, 1928), London, pp. 464c-464g.
- RADIO.** La navigation aérienne sans repères extérieurs.  
L'Aéronautique, 10me année, No. 105 (fév. 1928), Paris, pp. 35-38, ills.
- Radio control station will guide planes on Key West-Habana line.  
Aviation, Vol. 24, No. 10 (Mar. 5, 1928), New York, p. 581.
- See Baggiani, Luigi: La radiotrasmissione delle immagini fra aerei e terra.
- See Franck, P.: Les perturbations causées par les circuits d'allumage des moteurs, dans les circuits de réception T. S. F. à bord des avions.
- See Hyland, Lawrence A.: Radio direction finding.
- See Obata, Jûichi, Yukio Munetomo and Yahei Yosida: Directional observations of the radio-atmospheric disturbances.
- See Zonta, P.: Sulla tecnica degli impianti-radio di bordo.
- RADIOBEACON.** See Burgess, George Kimball: Aircraft radiobeacon development.
- See Stowell, E. Z.: Unidirectional radiobeacon for aircraft.
- RAILROADS.** See Thompson, H. H.: Railroads and airplanes.
- RAIMONDI, EMANUELE.** L'aerodinamica teorica.  
Rivista Aeronautica, Anno 4, N. (Sett. 1928), Roma, pp. 509-519, ill.
- Azione dinamica di una corente che fluisce tra una lastra ed una parete piana indefinita.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 284-302.
- RALLI, P. A.** Part II. Design of airscrews for Schneider trophy race 1927.  
Journ. Roy. Aer. Soc., Vol. 32, No. 213 (Sept. 1928), London, pp. 763-767, diags.
- The rational determination of load factors.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 34, No. 4 (Jan. 25, 1928), London, pp. 99-102, diagr.
- See Mitchell, R. J., P. A. Ralli, and G. S. Wilkinson: Quelques détails complémentaires sur les hydravions anglais de la coupe Schneider 1927; les hélices par P. A. Ralli.
- RAMOND, EDOUARD.** See Bleriot, Louis, et Edouard Ramond: La gloire des ailes.—L'aviation de Clement Ader a Costes.
- RAMSDEN, EARL I.** See Dronin, Paul V., Earl I. Ramsden, and George J. Higgins: The effect of tip shields on a horizontal tail surface.
- RANALLI, RENATO.** Gli strumenti di navigazione aerea ed il loro impiego razionale.  
Rivista Aeronautica, Anno 4, N. 9 (Sett. 1928), Roma, pp. 539-541.
- Turismo aereo e sport aeronautico.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 514-517.
- RASOR, W. W.** Aviation week in Panama, January 9 to 16.  
Pan American Magazine, Vol. 40 (Jan. 1928), Panama City, pp. 156-165, ill., map.

- RAWDON, HENRY S. Corrosion embrittlement of duralumin. I. Practical aspects of the problem.  
National Advisory Committee for Aeronautics, Technical Notes No. 282, Washington, April 1928, pp. 11, ill., diags., tabl.
- Corrosion embrittlement of duralumin. II. Accelerated corrosion tests and the behavior of high-strength aluminum alloys to different compositions.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 283, Washington, April 1928, pp. 38, ill.
- Corrosion embrittlement of duralumin. III. Effect of the previous treatment of sheet material on the susceptibility of this type of corrosion.  
National Advisory Committee for Aeronautics, Technical Notes No. 284, Washington, April 1928, pp. 24, ill.
- Corrosion embrittlement of duralumin. IV. The use of protective coating.  
National Advisory Committee for Aeronautics, Technical Notes No. 285, Washington, April 1928, pp. 31, ill.
- Duralumin for airplane use.  
Mining and Metallurgy, Vol. 9 (May 1928), New York, p. 234.
- Protection of duralumin against embrittlement.  
Brass World, Vol. 24 (May 1928), New York, p. 147.
- READ, HELEN S. Airplane ride.  
New York, Chas. Scribner's Sons, 1928, pp. 36, ill.
- RECHTLICH, A. Tensile strength of welded steel tubes. First series of experiments.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 445, January 1928, Washington, pp. 20, ill.  
From "Zeitschrift für Flugtechnik und Motorluftschiffahrt" September 14, 1927.
- RECHTLICH, A., and M. SCHRENK. Welding in airplane construction.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 453, February 1928, Washington, pp. 28, ill.  
From "Jahrbuch 1927 der Deutsche Versuchsanstalt für Luftfahrt."
- RECORDS. Au sujet des records du monde de distance et de durée.  
L'Aérophile, 36e année, Nos. 15-16 (1er-15 août 1928), Paris, pp. 237-239, ill., diags.
- Battling for life in a blue-black sky; H. C. Gray's altitude record.  
Pop. Mech., Vol. 49 (Feb. 1928), Chicago, pp. 177-179, ill.
- Captain H. Broad makes endurance record. Twenty-four hours in the air.  
Flight, Vol. 20, No. 34 (Aug. 23, 1928), London, pp. 729-730, ill.
- Condizioni per i records mondiali di aviazione.  
Rivista Aeronautica, Anno 4, N. 4 (Aprile 1928), Roma, pp. 182-187, tabs.
- Distribution internationale des records au début de 1928.  
L'Aéronautique 10me année, No. 105 (fév. 1928), Paris, p. 30.
- New duration and speed records.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, pp. 522, ill.
- New World's record for Gipsy-Moth 119' 84 M. P. H.  
Flight, Vol. 20, No. 50 (Dec. 13, 1928), London, p. 1052, il.
- The new world's record for speed.  
The Aeroplane, Vol. 34, No. 14 (Apr. 4, 1928), London, p. 487.  
Major de Bernardi.
- Nouveaux records de vitesse.  
La Nature, No. 2790 (1er août 1928), Paris, p. 135.

- RECORDS. Record d'avion léger.  
 La Nature, Nos. 2790, 2792 (1er sept-1er août 1928), Paris, pp. 135, 228.
- Record de distance en avion léger.  
 La Nature, No. 2798 (1er déc. 1928), Paris, p. 521.
- Record de durée sur avion léger.  
 La Nature, No. 2796 (1er nov. 1928), Paris, p. 424.
- Record de hauteur avec charge.  
 La Nature, No. 2796 (1er nov. 1928), Paris, p. 424.
- Record du monde avec 1,000 kg. de charge.  
 La Nature, No. 2780 (1er mars 1928), Paris, p. 231.
- Le record du monde de durée.  
 La Nature, Nos. 2790, 2792 (1er sept. 1er août 1928), Paris, pp. 135, 223.
- Le record du monde de vitesse.  
 La Nature, No. 2799 (15 déc. 1928), Paris, p. 569.
- Records d'altitude en avions légers.  
 La Nature, No. 2797 (15 nov. 1928), Paris, p. 471.
- Records d'avions légers.  
 La Nature, No. 2779 (15 fév. 1928), Paris, p. 187.
- Records officiels du monde\*au 30 juin 1928.  
 L'Aérophile, XIe Salon de l'aéronautique, 29 juin-15 juil. 1928, Paris, pp. 117-119.
- Stinson and Haldeman set new endurance record. Keep Stinson-Detroit  
 monoplane aloft for 53 hr. 36 min. 30 sec.  
 Aviation, Vol. 24, No. 15 (Apr. 9, 1928), New York, p. 892, ill.
- Tableau systématique des records du monde d'aviation homologués au 31  
 décembre 1927.  
 L'Aéronautique, 10me année, No. 104 (jan. 1928), Paris, pp. 2, supplément [1-6], tabl.
- Three World's records for Britain.  
 Flight, Vol. 20, No. 18 (May 3, 1928), London, pp. 298-299, ill.  
 For useful load, made by Capt. Broad.
- Two airplane records smashed on the same day.  
 Literary Digest, Vol. 97 (May 12, 1928), New York, p. 62.
- See Lion, A.: Der neue deutsche Dauerflug-Weltrekord.
- RED CROSS. See Baduel, Cesare: L'aviazione nel soccorso e l'opera delle Croci  
 Rosse.
- REEVES, DACHE M. Aerial photographs.  
 New York, Ronald Press Company, 1928, pp. 312.
- REGISTRATION. See Barberis, Luigi: Registri di classificazione.
- REHOE, DONALD. Dressing up aviation.  
 Aviation, Vol. 25, No. 20 (Nov. 10, 1928), New York, pp. 1485, 1510-1514, ill.
- REID. The all-metal light 'plane, "Rambler."  
 Flight, Vol. 20, No. 48 (Nov. 29, 1928), London, p. 1024, ill.
- The Reid reaction apparatus. Picking out the qualities that go to make  
 a good pilot.  
 Flight, Vol. 20, No. 6 (Feb. 9, 1928), London, pp. 80-82, ill.
- The Reid reaction time apparatus.  
 The Aeroplane, Vol. 34, No. 7 (Feb. 15, 1928), London, pp. 206-208, ill.
- REID, ELLIOT G., and M. J. BAMBER. Preliminary investigation on boundary  
 layer control by means of suction and pressure with the U. S. A. 27 airfoil.  
 National Advisory Committee for Aeronautics, Technical Notes No. 286, Washington, May  
 1928, pp. 18, ill., diags.



- REIMBERT, J. *Annuaire de l'aéronautique 1928*.  
Paris, Rouffé, édit. (various paging).
- RELF, E. F., and L. F. G. SIMMONS. A distant-reading instrument for the measurement of small displacements.  
*Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 875-878, ills.*
- RELIABILITY tour. The 1928 Reliability tour.  
*Aviation, Vol. 24, No. 3 (Jan. 16, 1928), New York, pp. 146-147, ill.*
- RENAITOUR, JEAN MICHEL. Il faut à la France un ministère de l'air.  
*Aéronautica, Vol. 2, No. 6 (June 1928), Amsterdam, pp. 107-108, port.*
- RENAULT. Nouveau moteur Renault 250 HP refroidi par l'air.  
*L'Aéronautique, 10me année, No. 111 (août 1928), Paris, p. 297, ills.*
- RENAULT, LOUIS. Renault et la carburation.  
*L'Aérophile, 36e année, Nos. 15-16 (1er-15 août 1928), Paris, pp. xviii-xix, ills.*
- RENÉ, COUZINET. See Serryer, J.: René Couzinet monoplane (French).
- RENNIE, J. D. The problem of the long-range flying boat.  
*Journ. Roy. Aer. Soc., Vol. 32, No. 208 (April 1928), London, pp. 264-295, ills., diags.*
- RENTSCHLER, F. B. More about air-cooled radials.  
*Aviation, Vol. 34, No. 16 (Apr. 18, 1928), London, p. 552.*
- RESEARCH. Luftfahrtforschung.  
München-Berlin, R. Oldenbourg.
- Research in aeronautics.  
*Nature, Vol. 122, No. 3077 (Oct. 20, 1928), London, pp. 630-631.*
- Research on air navigation.  
*Science, n. s., Vol. 68 (Aug. 31, 1928), Garrison, p. 196.*
- See Wimperis, H. E.: The progress of aeronautical research in Great Britain.
- RESISTANCE. See Pasqualini, Clodoveo: La resistenza dell' aria per corpi sferici a media e grandissima velocità.
- RESPONSIBILITY. See Ambrosini, Antonio: La limitazione legale della responsabilità aeronautica.
- REYNEKER, F. H. Farman verkeersvliegtuig F. 180 met 2 Farman motoren van 500 PK. in tandem.  
*Het Vliegveld, 12de Jaarg., No. 11 (Nov. 1928), Amsterdam, pp. 323-325, ill.*
- De luchtvaart in 1927.  
*Het Vliegveld, 12de Jaarg., No. 1 (Jan. 1928), Amsterdam, pp. 2-3.*
- Het nieuwe Pander vliegtuig.  
*Het Vliegveld, 12de Jaarg., No. 12 (Dec. 1928), Amsterdam, pp. 368-369, ill.*
- Quelques remarques sur les principes formant la base pour la détermination des facteurs de charge, employés dans les calculs de résistance des avions.  
*IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 467-469.*
- De Ryan brougham.  
*Het Vliegveld, 12de Jaarg., No. 4 (April 1928), Amsterdam, pp. 105-107, ills.*
- De Short "Calcutta."  
*Het Vliegveld, 12de Jaarg., No. 4 (April 1928), Amsterdam, pp. 98-100, ills.*
- Een Tsjechisch verkeersvliegtuig de Aero A-23.  
*Het Vliegveld, 12de Jaarg., No. 4 (April 1928), Amsterdam, pp. 94-96, ills.*
- REYNOLDS, JOSEPH B. Equal-slope surfaces and helices by vectors.  
*Lehigh University Publication, Vol. 2, No. 10 (Oct. 1928).*  
*The Institute of Research, Circular No. 20, Science and Technology, No. 15, pp. 401-406, ill.*

- RHODE, R. V. Pressure distribution on wing ribs of the VE-7 and TS airplanes in flight. Part II: Pull-ups.  
National Advisory Committee for Aeronautics, Technical Notes No. 277, Washington, January 1928, pp. 6, diags.
- RHODE ST. GENESE, Brussels. Results of aerodynamic tests on slotted airfoils in the aerotechnical laboratory (S. T. Aé.) of Rhode St. Genese, Brussels.  
National Advisory Committee for Aeronautics, Technical Memorandums, No. 449, February 1928, Washington, pp. 10, ill., diags., tabs.  
From Bulletins Nos. 1 and 4, April and July, 1927 of the "Service Technique de L'Aéronautique Belge."
- RHODESIA. See Bourne, R.: Aerial survey in relation to the economic development of new countries with special reference to an investigation carried out in Northern Rhodesia.
- RHÖN. Ausschreibung des Rhön-Segelflug-Wettbewerbs 1928.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 6 (28. März 1928) München und Berlin, pp. 129-132.
- See Hübner, W.: Technical progress shown in the 1927 Rhön soaring-flight contest.
- See Pilgrim, M. v.: Technische Fortschritte beim Rhön-Segelflugwettbewerb 1928.
- See Schreiber, D.: 9. Rhön-Segelflug-Wettbewerb 1928.
- See Stamer, Fritz: Flugerfahrungen mit dem Versuchsegelflugzeug "Ente" der Flugtechnischen Abteilung der Rhön-Rossitten-Gesellschaft.
- RICCI, CARLO LUIGI. Condizioni di efficienza del diedro trasversale negli aeroplani.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 303-304., ill.
- Sui calcoli di stabilità degli involucri dei dirigibili.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 305-309, ill.
- RICHARDSON, HOLDEN CHESTER. Aircraft float design.  
New York, The Ronald Press Company [1928], pp. vii, 111, ills., diags.
- The reaction on a float bottom when making contact with water at high speeds.  
National Advisory Committee for Aeronautics, Technical Notes No. 288, Washington, May 1928, pp. 4, ills., diags.
- Twenty-five years of airplane design.  
Aviation, Vol. 25, No. 23 (Dec. 1, 1928), pp. 1716-1719, ill.
- RICHMOND, V. C., Developments in rigid-airship construction.  
Engineering, Vol. 125, No. 3248 (April 13, 1928), London, pp. 447-459, ill.  
Engineer, Vol. 145, No. 3770 (April 13, 1928), London, pp. 410-412, ill.
- Full-scale pressure plotting experiments on hull and fins of H. M. A. R. 33.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 490-515, ills., diags., tabs.
- RICHTHOFEN, MANFELD VON. See Schreiber, D.: Manfred von Richthofen zum Gedächtnis.
- RIEDINGER. Riedinger.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 247-248, ills.
- RIGID airships. See Airships.
- RINGK, — VON. Die Herrichtung des Rollfeldes für den Landflughafen Stettin.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 3 (14. Feb. 1928), München und Berlin, pp. 59-63.

- RIVERS, J. G. Aviation in Alaska.  
Aeronautic Review, Vol. 6, No. 10 (Oct. 1928), Washington, D. C., p. 154.
- RIVETS. See Gabrielli, Giuseppe: Sul comportamento della chiodatura tra lamiere in dural di piccolo spessore.
- ROBERTSON, F. A. DE V. The Air Defence exercises.  
Flight, Vol. 20, No. 34 (Aug. 23, 1928), London, pp. 721-728, ill.
- The air manœuvres. Great war between Eastland and Westland.  
Flight, Vol. 20, No. 33 (Aug. 16, 1928), London, pp. 715-717, ill.
- Airships. His Majesty's Airship R. 101.  
Flight, Vol. 20, No. 35 (Aug. 30, 1928), London, pp. 741-746, ill.
- The attempt on the world's speed record.  
Flight, Vol. 20, No. 45 (Nov. 8, 1928), London, pp. 965-967, ill., maps.
- Aviation in Australia.  
Flight, Vol. 20, No. 20 (May 17, 1928), London, pp. 344-364, ill., map.
- Aviation in Canada.  
Flight, Vol. 20, No. 38 (Sept. 20, 1928), London, pp. 798-813, ill., map.
- Functions of service aircraft.  
Flight, Vol. 20, No. 26 (June 26, 1928), London, pp. 484-487, ill.
- H. M. airship R. 100.  
Flight, Vol. 20, No. 28 (July 12, 1928), London, p. 595.
- Sir Philip Sassoon's eastern tour.  
Flight, Vol. 20, No. 47 (Nov. 22, 1928), London, p. 1002.
- ROBILLARD, ROBERT E., and ROY A. MILLER. Full scale tests of the semirigid airship RS-1.  
Air Corps Information circular, Vol. 7, No. 619 (Aug. 15, 1928), Washington, Government Printing Office, 1929, pp. 51, ill., tabs., diags.
- ROBIN. See Osborn, Robert R.: The Curtiss "Robin."
- ROBIN, M. Calcul des performances d'un avion dont le moteur est à couple variable suivant une loi quelconque avec l'altitude et la vitesse de rotation.  
L'Aérophile, 36e année, Nos. 1-2 (1er-15 jan. 1928), Paris, pp. 17-20, ill.
- ROBINSON. See Bouman, L. F.: Iets over den Robinson richtingzoeker.
- ROCCA, CARLO. Progrès de l'aviation civile en Italie. I. Création de nouveaux aéroport modèles.  
— Les statistiques des transports aériens commerciaux.  
Aéronautica, Vol. 2, No. 11 (Nov. 1928), Amsterdam, pp. 219-225, map.
- ROCCO, EMILIO. Idroaviazione. Idroporti di alcune linee civili italiane.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 294-304, ill.
- ROCHFORD, DANIEL. Student training.  
Aviation, Vol. 25, No. 26 (Dec. 22, 1928), New York, pp. 2041, 2055, 2056, diagr.
- ROCKETS. The rocket airplane.  
Mech. Eng., Vol. 50, No. 7 (July, 1928), New York, pp. 573-574.
- Will rocket planes reach the stars?  
Pop. Mech., Vol. 50 (Nov. 1928), Chicago, pp. 717-720, ill.
- See Esnault-Pelterie, R.: L'exploration par fusées de la très haute atmosphère et la possibilité des voyages interplanétaires.
- See Koepke, C.: Sur l'utilisation des appareils lance-messages et lance-fusées Künzer.



- ROCKETS. *See* Lademann, Robert W. E.: Das Rak-Auto und seine Vorgänger!  
 — *See* Lademann, Robert W. E.: Rund um die Rakete.  
 — *See* Lademann, Robert W. E.: Die wissenschaftliche Bedeutung des Rückstossers.  
 — *See* Scherschewsky, A. B.: Die Rakete für Fahrt und Flug.  
 — *See* Semper, M. G.: Die Rakete.  
 — *See* Senftleben, H. A.: Zur Frage der Wirtschaftlichkeit des Raketenantriebes für irdische Fahrzeuge.  
 — *See* Senftleben, H. A.: Zur Mechanik der Weltraumraketen.
- ROE, A. V. British aviation's banquet to Mr. A. V. Roe, O. B. E.  
*Flight*, Vol. 20, No. 24 (June 14, 1928), London, pp. 449-450.
- RÖDER, HERMANN. Die Bedeutung der Ozeanflüge für die Wirtschaftlichkeit der Luftverkehrs.  
*Flugwoche*, 10. Jahrg., Heft 8, 1928, Berlin, pp. 198-199.  
 — Navigation ohne Erdsicht bei Nebel und über Wolken.  
*Der Luftweg*, Heft 15, Jahrg. 1928, 10. (Aug. 1928), Berlin-München, pp. 163-164.  
 — Zur Frage des Höhenfluges im Luftverkehr.  
*Flug-Woche*, 10. Jahrg., Heft 11, 1928, Berlin, p. 244, ill.
- RÖMER, B. VON. Prospective development of giant airplanes.  
 National Advisory Committee for Aeronautics, Technical Memorandums No. 463, May 1928, Washington, pp. 7, ill.  
 From "Luftfahrt," October 22, 1927.
- ROGERS, B. Are you a pilot? increasing popularity of privately owned planes.  
*Sunset*, Vol. 61 (Nov. 1928), San Francisco, pp. 30-33, ill.
- ROGERS, LEIGHTON W. Government assistance for aeronautic exporters.  
*Aviation*, Vol. 25, No. 14 (Sept. 29, 1928), New York, pp. 1010-1011, 1056, ill.
- ROGERS, W. Bucking a head wind.  
*Sat. Even. Post*, Vol. 200 (Jan. 28, 1928), Philadelphia, pp. 6-7.  
 — Flying and eating my way East.  
*Sat. Even. Post*, Vol. 200 (Jan. 21, 1928), Philadelphia, pp. 3-4.
- ROGERS, WILLIAM A. A visit to French aircraft factories.  
*Aero Digest*, Vol. 12, No. 4 (April 1928), New York, pp. 526, 700, ill.
- ROHRBACH. Rohrbach.  
*Flug-Woche*, 10. Jahrg., Heft 9, 1928, Berlin, pp. 248-252, ills.
- ROLLS, C. S. *See* Harper, Harry: The personality of a great pioneer. Hon. C. S. Rolls.
- ROLLS-ROYCE. The new Rolls-Royce "F" type engine.  
*Flight*, Vol. 20, No. 18 (May 3, 1928), London, pp. 300-303, ill., diag.  
 — The Rolls-Royce F. 11 and F. 12 engines.  
*The Aeroplane*, Vol. 34, No. 18 (May 2, 1928), London, pp. 624-628, ill.
- ROLOSON, C. L. Keystone production.  
*Aviation*, Vol. 25, No. 5 (July 28, 1928), New York, pp. 326-327, 350-356, ill.
- ROMANI, ALESSANDRO. L' ascolto a l' illuminazione nei riguardi del tiro contro aerei.  
*Rivista Aeronautica*, Anno 4, N. 4 (Aprile 1928), Roma, pp. 112-142, ills.
- ROME. Inauguration de la linea aérea Roma-Barcelona.  
*Iberica*, Año 15, Núm. 755 (8 dic. 1928), Barcelona, pp. 337-338, ill.

- ROME. The Rome-Brazil nonstop flight.  
Flight, Vol. 20, No. 28 (July 12, 1928), London, pp. 594-595, ill., map.  
Capt. Ferrarin and Maj. del Prete.
- See Trojani, Felice: Apertura di un nuovo aeroporto in Roma per aeroplani e idrovolanti.
- ROOSEVELT FIELD. See Osborn, Robert R.: The Roosevelt Field runway.
- ROOTS. See Schey, Oscar W., and Ernest E. Wilson: An investigation of the use of discharge valves and an intake control for improving the performance of N. A. C. A. Roots type supercharger.
- ROPER, ALBERT. La convention aérienne du 13 octobre 1919. Sa mise en vigueur. Son application.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 522-529.
- ROSE, DON. Ground flying.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 944, 1052.
- My aerial vacation.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 222, 360-366, ill.
- Transportation is civilization.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 331, 462-463.
- Wings, wheels, or webfeet.  
Aero Digest, Vol. 12, No. 4 (Apr. 1928), New York, pp. 513, 692-696.
- ROSENBLEET, AARON M. Potomac Flying Service, Inc.  
Aviation, Vol. 24, No. 17 (Apr. 23, 1928), New York, pp. 1146-1147, 1164-1167, ill.
- ROSSI, GIOVANNA. Le rotte aeree attraverso l'Atlantico.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma, 1928, pp. 310-313.
- ROTHÉ, E. Aérologie et aérodynamique.  
Paris, Gauthier-Villars et Cie., 1928.
- ROTOR ships. See Constantin: Le problème de la propulsion des navires par le vent. Les rotors Flettner et les turbines éoliennes.
- ROTTERDAM. The Rotterdam meetings.  
Flight, Vol. 20, No. 30 (July 26, 1928), London, pp. 645-651, ill.
- ROTTERDAMSCHER AERO CLUB. Het luchtfestijn der R. A. C.  
Het Vliegveld, 12de Jaarg., No. 8 (Aug. 1928), Amsterdam, pp. 218-223, ill.
- ROUGHLEY, H. W. Inspection methods for Whirlwind engines.  
Aviation, Vol. 25, No. 4 (July 21, 1928), New York, pp. 256-257, 296, ill.
- ROUTES. Air paths and policies.  
Living Age, Vol. 334 (Aug. 1928), Boston, pp. 1206-1212.
- See Mioche, R.: Nouveaux dispositifs de balisage des routes aériennes.
- See Young, D. C.: Aerial highways and their marking.
- ROWE, N. E. See Jennings, W. G., N. E. Rowe, and I. Bowen: The application of the algebraic formulæ of R. & M. 1056 to problems of aircraft performance.
- ROWLAND, M. Airman's hymn.  
Literary Digest, Vol. 96 (Feb. 11, 1928), New York, p. 30.  
Pan American Magazine, Vol. 41 (Mar. 1928), Panama City, p. 64, ill.
- ROY, MAURICE. A propos du champ aérodynamique autour d'une aile sustentatrice.  
L'Aérophile, 36e année, Nos. 17-18 (1er-15 sept. 1928), Paris, pp. 277-280, ill.

- ROY, MAURICE. Sur l'aérodynamique des ailes sustentatrices et des hélices.  
Paris, Gauthier-Villars & Cie., 1928, pp. 182, ill.
- ROYAL AERONAUTICAL SOCIETY. The Royal Aeronautical Society at the International Aeronautical Exhibition Berlin, October 7-21, 1928.  
Journ. Roy. Aer. Soc., Vol. 32, No. 215 (Nov. 1928), London, pp. 917-919.
- The Royal Aeronautical Society (Founded 1866) with which is incorporated The Institution of Aeronautical Engineers. Rules as passed at a special general meeting held on December 29, 1927.  
London, The Lewes Press, Ltd., 1928, pp. 48.
- ROYAL AIR FORCE. Aircraft types at the R. A. F. display.  
Flight, Vol. 20, No. 26 (June 28, 1928), London, pp. 488-512, ill.
- The health of the R. A. F. Report for 1926.  
Flight, Vol. 20, No. 4 (Jan. 26, 1928), London, p. 59.
- The Royal Air Force and British Empire air service diary 1928.  
Aldershot, Gale, and Polden.
- Royal Air Force display.  
Flight, Vol. 20, No. 27 (July 5, 1928), London, pp. 524-529, ill.
- The Royal Air Force flying-boat cruise. Log of the Far East flight from England to Karachi.  
Flight, Vol. 20, No. 14 (Apr. 5, 1928), London, pp. 227-229, ill., map.
- The Royal Air Force flying-boat cruise. Log of the Far East flight from Karachi to Singapore.  
Flight, Vol. 20, No. 32 (Aug. 9, 1928), London, pp. 695-697, ill.
- See Canada. Royal Air Force: Information relating to pay, allowances, qualifications, general conditions of service, future prospects, etc., of airmen.
- ROYAL AUSTRALIAN AIR FORCE. Royal Australian Air Force. Report by Air Marshal Sir J. Salmond, K. C. B.  
Flight, Vol. 20, No. 46 (Nov. 15, 1928), London, pp. 993-994.
- ROYSE, MORTON WILLIAM. Aerial bombardment and the international regulation of warfare.  
New York, Harold Vinal, Ltd., [1928] pp. xv, 256.
- ROZENDAAL, JOHN. Berlijnsche luchtvaart-tentoonstelling "Ila" 1928.  
Het Vliegveld, 12de Jaarg., No. 10, 11 (Oct., Nov. 1928), Amsterdam, pp. 281-286, 326-329, ill.
- RUBBRA, A. A. Water-cooled aero engines.  
Journ. Roy. Aer. Soc., Vol. 32, No. 205 (Jan. 1928), London, 77-85, ill.
- RÜHL, KARL HELMUT. Das Grossflugboot.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 2, 26 (14. Jan., 30. Juni 1928), Berlin, pp. 61-62, 935-936.
- Neuere Festigkeitsfragen im Flugzeugbau.  
Zeitschr. Ver. deutsch. Ing., Band 72, Nr. 40 (6. Okt. 1928), Berlin, pp. 1403-1408, ill., diags.
- Wirtschaftlichkeit des Luftverkehrs.  
Zeitschr. Ver. deutsch. Ing., Bd. 72, Nr. 30 (28. Juli 1928), Berlin, pp. 1059-1060.
- RÜHL, K. L. Selbstkosten im ausländischen Luftverkehr.  
Flug-Woche, 10. Jahrg., Heft 2, 1928, Berlin, pp. 43-44.
- RUSSIA. Calculs de résistance des avions et essais statiques en Russie. Un essai de normalisation.  
L'Aéronautique (L'Aérotechnique, 6me année, No. 62), 10me année, No. 105 (fév. 1928), Paris, pp. 42-45, ill.  
Airplane strength calculations and static tests in Russia. (An attempt at standardization.)



- RUSSIA. L'effort russe vers l'avion léger.  
L'Aéronautique (L'Aérotechnique, 6me année, No. 62), 10me année, No. 105 (fév. 1928), Paris, p. 41.
- The organization of Russian air power.  
The Aeroplane, Vol. 34, No. 3 (Jan. 18, 1928), London, p. 66.
- Soviet aviation. The Tashkent-Kabul air line.  
Weekly News Bulletin, Vol. 4, Nos. 30-31 (28 VII-4, VIII-1928), Moscow, p. 13, ill.
- See Mitchell, W.: Russian aeronautics.
- See Scherschewsky, A. B.: Russland. Flugforschung und -industrie in der U. D. S. S. R.
- RYAN. See Reyneker, F. H.: De Ryan brougham.
- RYAN, T. CLAUDE. Care and maintenance of Siemens engines.  
Aviation, Vol. 25, No. 8 (Aug. 18, 1928), New York, pp. 530, 554-560, ill.
- RYAN-SIEMENS. Ryan-Siemens engine in the Waco-10.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, p. 380, ill.
- RYKS-STUDIEDIENST VOOR DE LUCHTVAART. Verslagen en Verhandelingen van den Ryks-Studieienst voor de Luchtvaart, Amsterdam, Tome IV.  
La Haye, Gebr. van Cleeff.
- RYSKY, CARLO DE. Le aviolinee transatlantiche e i servizi postali col Sud America (Soc. it. di navigazione aerea transatlantica Sinat.; Milano).  
Parma, off. graf. Fresching, 1928, p. 28.

## S

- SABATIER, J. Discussion of problems relating to the safety of aviation. Parts I and II.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 464, 465, May 1928, Washington, pp. 33, 35.  
From "Bulletin Technique" No. 42, of the "Service Technique et Industriel de l'Aéronautique," June 18, 1927.
- SACCHETTO, A. See Pari, G. A., e A. Sacchetto: L'azione del fumo sugli apparecchi digerente e circolatorio.
- SACONNEY, JACQUES-THÉODORE. See Blanchet, Georges: Aéronautes contemporains. Le général Saconney.
- SADLER, JAMES. See Hodgson, J. E.: James Sadler, the "first English aeronaut."
- SAFETY. Airplane safety; automatic slotted wings.  
Scientific Monthly, Vol. 26 (April 1928), Garrison, pp. 379-380.
- Flotteur de secours pour avions.  
La Nature, No. 2799 (15 déc. 1928), Paris, p. 569.
- Safety and reliability.  
The Aeroplane, Vol. 34, No. 3 (Jan. 18, 1928), London, p. 64.
- Sauvetages en parachutes.  
L'Aéronautique, 10me année, No. 115 (déc. 1928), Paris, p. 435.
- Sécurité de l'aviation commerciale.  
La Nature, No. 2776 (1er jan. 1928), Paris, p. 45.
- See Angermund: Flugsicherheit.
- See Bonifacio, Ferdinando: Problemi inerenti alla sicurezza, ai mezzi di salvataggio ed ai vari adattamenti a bordo dei velivoli da traffico.
- See Bramson, M. L.: Safety devices for aircraft.

- SAFETY.** See Giacomelli, R.: La grande gara internazionale per il "velivolo sicuro" e la Fondazione Daniel Guggenheim per il progresso dell' aeronautica.
- See Gymnich, Alfried: Minimalgeschwindigkeit und Flugsicherheit.
- See Mastrosanti, Remo: Il problema del salvataggio aereo attraverso i secoli e la sua odierna risoluzione.
- See Miller, J. E.: Mystery of port of missing planes solved.
- See Sabatier, J.: Discussion of problems relating to the safety of aviation.
- See Stalling: Stalling in safety.
- See Toussaint, A.: L'aviation actuelle; étude aérodynamique et essais des avions; l'aviation actuelle et la sécurité.
- See Wings: L'aile à fente et la sécurité de l'avion.
- SAHARA.** La route aérienne Algérie-A. O. F. par le Sahara.  
L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, pp. 133-134, ill.
- ST. LOUIS. PUBLIC LIBRARY.** Aeronautics; a list of books and articles, compiled by students of the St. Louis library school.  
St. Louis, St. Louis Public Library, 1928, pp. 26.
- SAINTE-LAGUË, A.** See Huguenard, E., A. Magnan et A. Sainte-Laguë: Sur une détermination expérimentale de la polaire d'un avion et d'un oiseau en vol.
- SALLE.** Note sur les compas d'aviation.  
L'Aéronautique, 10me année, No. 112 (sept. 1928), Paris, pp. 325-332, diags.
- SALMON, LUIGI.** Travi rettengolari di cemento armato. Determinazione della minima sezione di ferro.  
Ministero dell' Aeronautica, Notiziario Tecnico di Aeronautica, Anno 6, N. 6 (Giugno 1928), Roma, pp. 1-22, ill., diags., tabs.
- SALVATORES, P.** L'osservazione aerea nei tiri a mare.  
Rivista Aeronautica, Anno 4, N. 12 (Dic. 1928), Roma, pp. 483-488.
- SAMUELS, FRANK E.** Trial flight of the Albatross.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 200.
- SAN DIEGO.** See Miles, R. H.: City and federal governments cooperate in creating extensive airport, San Diego, Calif.
- SANDALLI, RENATO.** L'aviazione in Somalia.  
Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 17-37, ill., map.
- SANDIFORD, ROBERTO.** Aviazione e blocco marittimo.  
Rivista Aeronautica, Anno 4, N. 6 (Giugno 1928), Roma, pp. 481-487.
- Libertà di sorvolo, zone vietate e grandi linee aeronautiche internazionali.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma 1928, pp. 530-535.
- SANTA ANA.** Santa Ana monoplane.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 193, ill., diagr.
- SANTE DA RIOS, LUIGI, ed A. VECELLIO.** Sul campo delle pressioni determinato da un'elica rotante a punto fisso.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 476-478, ill.
- SANTE DA RIOS, LUIGI.** Sulla sustentazione delle eliche con anello.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 470-475, ill.
- SANTORO, G.** See Biondi, L., ed G. Santoro: Trattato elementare di navigazione aerea.

- SARATOGA. *See* Lexington: The Lexington and Saratoga.
- *See* United States: U. S. aircraft carriers.
- SARDIER GILBERT. La première réalisation du réseau française interieur.  
Aéronautica, Vol. 2, No. 8 (Aug. 1928), Amsterdam, pp. 142-143, ill.
- SASAKI, TATUDIRO. Hâtô no Kabe ga Mokei no Yôryoku-keisû ni oyobosu Eikyô ni tuite. (On the effect of the wall of a wind tunnel upon the lift coefficient of a model.)  
Report of the Aeronautical Research Institute, Tôkyô Imperial University, No. 46 (Vol. 4, 5), (December 1928), Tôkyô, pp. 149-193, ills., diags.
- SASAKI-TATUDIRO, HATTORI-KUNIO, HAGIWARA-IKUTARÔ, TATE-RINZI. Kôdo-kei ni oyobosu ondo no eikyô ni tuite. (On the effect of temperature changes upon the altimeter.)  
Report of the Aeronautical Research Institute, Tôkyô Imperial University, No. 41 (Vol. 3, 11), (Sept. 1928), Tôkyô, pp. 461-496, ills., diags., tabs.
- SASAKI, TATUDIRÔ. On the flow past a Joukowski's aerofoil in a wind tunnel.  
Proceedings of the Physico-Mathematical Society of Japan. 3rd ser., Vol. 9, No. 11 (Dec. 1927), Tôkyô, pp. 171-178, ill.
- SASS, F. Ignition and combustion phenomena in Diesel engines.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 482, October 1928, Washington, pp. 26, ill., tabs., diags.  
From Zeitschrift des Vereines deutscher Ingenieures, September 10, 1927.
- SASSON, PHILIP. The voyage of Sir Philip Sasson.  
The Aeroplane, Vol. 35, No. 14 (Oct. 3, 1928), London, p. 574, ill., map.
- SATÔ-KÔZI. Ensugata-Rappa no onkyôgakutekino seisitu ni tuite. (On the acoustical properties of conical horns.)  
Report of the Aeronautical Research Institute, Tôkyô Imperial University, No. 42 (Vol. 4, 1), (Sept. 1928), Tôkyô, pp. 1-19, ills., diags.
- SAUVAIRE-JOURDAN. Paquebots et avions.  
La Nature, No. 2781 (15 mars 1928), Paris, p. 251, ill.
- SAVOIA, C. L' abbandono ai creditori nel diritto aeronautico.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma 1928, pp. 536-542.
- SAVOIA MARCHETTI. Savoia Marchetti "S 64" airplane.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 78, Washington, August 1928, pp. 9, ill.
- SAWYER, W. H. Cleanness and performance.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 35, No. 18 (Oct. 31, 1928), London, pp. 743-744.
- SAYERS, W. H. Aircraft noises.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 35, No. 13 (Sept. 26, 1928), London, pp. 533-536.
- The construction of rigid airship R-101.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 35, No. 22 (Nov. 28, 1928), London, pp. 881-886, ill.
- Building the R-101.  
Aviation, Vol. 25, No. 27 (Dec. 29, 1928), New York, pp. 2094-2097, 2122-2128, ill.
- SBERNADORI, PAOLO. Le ali a fenditura automatica Handley Page.  
Rivista Aeronautica, Anno 4, N. 11 (Nov. 1928), Roma, pp. 283-300, ill.
- SCALE effect. *See* Wind tunnels: Variable-density wind tunnel. Report of the scale effect panel.
- SCHARLAU, H. Grossflug und Funkwesen.  
Der Luftweg, Heft 16, Jahrg. 1928, (25. Aug. 1928), Berlin-München, pp. 175-176.



- SCHARLAU, H. "Luftkapitäne."  
Der Luftweg, Heft 13, Jahrg. 1928, (10. Juli 1928), Berlin-München, pp. 144-145.
- SCAVENGING. *See* Holm, Otto: Crank case scavenging of a two-stroke-cycle engine.
- SCHERSCHEVSKY, A. B. Die Rakete für Fahrt und Flug.  
Berlin, C. J. E. Volckmann, Nachf. G. m. b. H., 1928, pp. 134, ills.
- SCHERSCHEVSKY, A. B. Russland. Flugforschung und -industrie in der U. D. S. S. R.  
Flug-Woche, 10. Jahrg., Heft 10, 1928, Berlin, pp. 332-334.
- SCHERZ, WALTER. Einige Zahlenangaben aus der Entwicklungsgeschichte des Zeppelin-Luftschiffes.  
Flug-Woche, 10. Jahrg., Heft 2, 3, 1928, Berlin, pp. 34-40, 81-83, ills.
- Des Grafen Vermächtnis. Zum 90. Geburtstag des Grafen Zeppelin. 8. Juli 1928.  
Luftfahrt, 32. Jahrg., Nr. 13 (7. Juli 1928), Berlin, pp. 195-198, ills., port.
- Das Luftschiff "Graf Zeppelin."  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 253-258, ills.
- SCHUEBEL, F. N. Über die Zerstäubung in Vergasern.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 140-146, ill.
- SCHHEY, OSCAR W., and ERNEST E. WILSON. An investigation of the use of discharge valves and an intake control for improving the performance of N. A. C. A. Roots type supercharger.  
National Advisory Committee for Aeronautics, Report No. 303, April 26, 1929, Washington, Government Printing Office, 1928, pp. 9, ills., diags.
- *See* Ware, Marsden, and Oscar W. Schey: A preliminary investigation of supercharging an air-cooled engine in flight.
- SCHILHANSL, M. Näherungsweise Berechnung von Auftrieb und Druckverteilung in Flügelgittern.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von Oldenbourg, pp. 151-167, ill., diags., tabs.
- SCHILLER, L., and H. SCHMIEDEL. Widerstandsmessungen an Kugel und Scheibe bei kleinen Reynoldsschen Zahlen.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 21 (14 Nov. 1928), pp. 497-501, diags., tabs.
- SCHILT, C. FRANK. Marines in Nicaragua saved by airplanes.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, pp. 173, 295, ill.
- SCHMIEDEL, H. *See* Schiller, L., and H. Schmiedel: Widerstandsmessungen an Kugel und Scheibe bei kleinen Reynoldsschen Zahlen.
- SCHNEIDER, JACQUES. Obituary, Jacques Schneider.  
Journ. Roy. Aer. Soc., Vol. 32, No. 210 (June 1928), London, p. 421.
- *See* Lallier, Roger: Jacques P. Schneider.
- SCHNEIDER trophy. Schneider Trophy machine design.  
Flight, Vol. 20, No. 5 (Feb. 2, 1928), London, pp. 66-67.
- *See* Lehr, G.: Un enseignement de le coupe Schneider.
- *See* Mitchell, R. J.: Schneider trophy machine design, 1927.
- *See* Ralli, P. A.: Part II. Design of airscrews for Schneider trophy race 1927.
- *See* Supermarine S. 5 seaplane (British). Winner of the 1927 Schneider Cup Race.

- SCHNEIDER trophy. *See* Wilkinson, G. S.: Schneider trophy design.
- SCHOOLS. Aviation as a high-school subject.  
School Review, Vol. 36 (Sept. 1928), Chicago, p. 488.
- A flying schoolhouse. A proposed training airship for lighter-than-air crews.  
Flight, Vol. 20, No. 34 (Aug. 23, 1928), London, pp. 734-735, ill.
- Study of aviation in schools.  
Elementary School Journal, Vol. 28 (May 1928), Chicago, pp. 646-647.
- *See* Debus, W.: Privatfliegerschulen oder Vereinfliegerschulen?
- *See* P., C.: Al margini della storia. La prima scuola militare di aeronautica.
- SCHREIBER, D. Manfred von Richthofen zum Gedächtnis.  
Flug-Woche, 10. Jahrg., Heft 4, 1928, Berlin, pp. 104-105, ill., port.
- 9. Rhön-Segelflug-Wettbewerb 1928.  
Flug-Woche, 10. Jahrg., Heft 8, 1928, Berlin, pp. 213-214.
- SCHRENK, MARTIN. Calculation of airplane performances without the aid of polar diagrams.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 456, March 1928, Washington, pp. 29, ill.  
From the 1927 Yearbook of the "Deutsche Versuchsanstalt für Luftfahrt."
- A few more mechanical-flight formulas without the aid of polar diagrams.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 457, March 1928, Washington, pp. 26, ill.  
From the 1927 Yearbook of the "Deutsche Versuchsanstalt für Luftfahrt."
- Probleme des Höhenflugs.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 19. u. 20 (7. Okt. 1928), München und Berlin, pp. 466-473, ill., diags.
- Über den Oberflächenwiderstand bei Flugzeugen.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 9 (14. Mai 1928), München und Berlin, pp. 208-209.
- *See* Rechtlich, A., and M. Schrenk: Welding in airplane construction.
- SCHROEDER, A.: Gütezahlen und Elastizitätsgrenzen bei Leichtmetallen.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 5 (14. März 1928), München und Berlin, pp. 105-106.
- SCHRÖTER, B. E. Aus den Anfängen des Ganzmetallflugzeugbaues.  
Flug-Woche, 10. Jahrg., Heft 8, 1928, Berlin, pp. 211-212, 353-354, ill.
- SCHUBIGER, CLAUDE. L'aviation allemande: L'hydravion géant Dornier-Super-Wal, quadrimoteur.  
La Nature, No. 2782 (1er avril 1928), Paris, pp. 312-313, ill.
- SCHÜTTE-LANZ. *See* Hillmann, W.: Der Flugzeugbau Schütte-Lanz.
- SCHUL. *See* De Glymes, Raoul: L'adaptation des propulseurs "Schul" aux avions.
- SCHULTE, F. *See* Tausz, J., and F. Schulte: Ignition points and combustion reactions in Diesel engines.
- SCHULZ, R. Die Flugzeuge auf der XI. Luftfahrzeug-Ausstellung in Paris.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 17 (14. Sept. 1928), München und Berlin, pp. 381-385, ill.
- Der Luftverkehr auf der Ila.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23. u. 24 (20. Dez. 1928), München und Berlin, pp. 573-576, ill.

- SCUOLA DI INGEGNERIA DI TORINO. Diagrammi logaritmici di eliche raccolte in 25 famiglie relative al rapporto fra passo e diametro.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 314-348, ill.
- SCHWAGER, OTTO. Die Flugmotoren auf der Ila.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23. u. 24 (20. Dez. 1928), München und Berlin, pp. 547-548.
- SCHWARZ, M. v. Neue selbstveredelnde Aluminium-Gusslegierungen mit hoher Elastizitätsgrenze.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 16 (28. Aug. 1928), München und Berlin, pp. 361-364, ill.
- Untersuchungsergebnisse der Röntgendurchleuchtung von Aluminiumkolben und anderen Leichtmetall-Gussstücken.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 14 (28. Juli 1928), München und Berlin, pp. 323-325, ill.
- SCHWENGLER, JOHANN. Das Grossluftschiff der Gegenwart und seine tatsächlichen Leistungen.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 65-90, ill.
- SCINTILLA. Der Scintilla-Magnet.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 278-281, ill.
- See Krupp, G.: Der Scintilla-Magnet.
- SCORPION. The air-cooled Scorpion engine.  
Aero Digest, Vol 13, No. 5 (Nov. 1928), New York, p. 936, ill.
- SEA HAWK. The Richmond "Sea-Hawk."  
Aviation, Vol. 24, No. 6 (Feb. 6, 1928), New York, pp. 330, 332, ill.
- SEAL fishing. Birdmen join the hunt for the sealskin coat.  
Literary Digest, Vol. 96 (Mar. 10, 1928), New York, pp. 63-65.
- See Chicanot, E. L.: New eyes for the sealing fleet.
- See Chicanot, E. L.: Seal hunting by air.
- SEAPLANE floats. See Herrmann, H., G. Kempf, and H. Kloess: Tank tests of twin seaplane floats.
- See Langley, M.: The constructional design of metal flying-boat hulls, Part I. Workshop notes on the building of metal hulls, Part II.
- SEAPLANES. Comparison of Atalanta and model sea-worthiness and fore and aft angle. By the Staffs of the Marine Aircraft Experimental Establishment, Felixstowe, and the William Froude National Tank, N. P. L.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 853-861, ill., tabs., diagrs.
- Flying-boats.  
Flight, Vol. 20, No. 18 (May 3, 1928), London, pp. 309-311.
- Giant seaplanes.  
Scient. Amer., Vol. 139 (Nov. 1928), New York, p. 450.
- Metal hulls.  
Scient. Amer., Vol. 138 (June 1928), New York, pp. 550-551, ill.
- Seaworthiness of seaplanes.  
Scient. Amer., Vol. 138 (May 1928), New York, p. 447, ill.
- Secrets of the world's fastest seaplanes; designs.  
Pop. Mech., Vol. 49 (Jan. 1928), Chicago, p. 5.



- SEAPLANES. Service d'hydravions sur les paquebots.  
La Nature, No. 2778 (1er fév. 1928), Paris, p. 137.
- Het vraagstuk der vliegboot met grooten actieradius.  
Het Vliegveld, 12de Jaarg., No. 3 (Maart 1928), Amsterdam, pp. 69-70.
- See Carroll, Thomas: A dangerous seaplane-landing condition.
- See Cross, B. C. H.: The equipment of flying boats.
- See Diemer, Franz Zeno: Flugboot und Seegang.
- See Dornier, C.: Notes on a family of similar flying boats.
- See Gloster: The "Gloster IV" seaplane (British).
- See Guidoni, A.: Seaplanes. Fifteen years of naval aviation.
- See Gustosa, C.: Che cosa occorre per facilitare lo sviluppo degli idrovolanti plurimotori: 1° maggiore numero di idroscali; 2° conche o bacini; 3° redans con assali e mozzi "Standard."
- See Krupp, G.: Das doppelmotorige Seeschulflugzeug. Arado W II.
- See Leveratto, Imperide, e Aldo Boggio-Gilot: Come si è ottenuta l'intercambiabilità degli idrovolanti S-59 bis di costruzione S. I. A. I., Macchi e Cant.
- See Rennie, J. D.: The problem of the long-range flying boat.
- See Richardson, Holden Chester: Aircraft float design.
- See Richardson, Holden Chester: The reaction on a float bottom when making contact with water at high speeds.
- See Rocco, Emilio: Idroaviazione. Idroporti di alcune linee civile italiane.
- See Rühl, Karl Helmut: Das Grossflugboot.
- See Schubiger, Claude: L'aviation allemande: L'hydravion géant Dornier-Super-Wal, quadrimoteur.
- See Thompson, F. L.: Water-pressure distribution on a seaplane.
- See Verdurand, Abel: A propos de l'exposition de Berlin. Les coques d'hydravions de gros tonnage.
- SEARCHLIGHTS. A 3,500,000,000 candlepower searchlight.  
Flight, Vol. 20, No. 51 (Dec. 20, 1928), London, p. 1075, ill.
- SEEWALD, F., H. BLENK, and F. LIEBERS. The 1926 German seaplane contest. Part I: Lessons taught, by F. Seewald; Part II: Method of rating, by H. Blenk and F. Liebers.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 454, March 1928, Washington, pp. 31, diags.  
From the 1927 Yearbook of the "Deutsche Versuchsanstalt für Luftfahrt."
- SEEWALD, F. Über die Messung der Kräfte an Luftfahrzeugen.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 19. u. 20 (7. Okt. 1928), München und Berlin, pp. 474-481, illus.
- SEMPER, M. G. Die Rakete.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 14 (28. Juli 1928), München und Berlin, pp. 317-319.
- SENFLEBEN, H. A. Zur Frage der Wirtschaftlichkeit des Raketenantriebes für irdische Fahrzeuge.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 16 (28. Aug. 1928), München und Berlin, p. 367.

- SENFLEBEN, H. A. Zur Mechanik der Weltraumraketen.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 14 (28. Juli 1928), München und Berlin,  
pp. 319-323.
- SERRAGLI, G. L'effetto sostentativo di un'elica in induzione con una superficie portante.  
L'Aerotechnica, Vol. 8, N. 8 (Agosto 1928), Anno 6, Pisa, pp. 533-553, ills., tabs.
- SERRYER, J. René Couzinet monoplane (French).  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 77, Washington,  
July 1928, pp. 5, ill.
- SERVICE TECHNIQUE ET INDUSTRIEL DE L'AÉRONAUTIQUE. Bulletin Technique.  
France.
- SEVERI, LUIGI. La pratica del tiro con osservazione aerea.  
Rivista Aeronautica, Anno 4, N. 3 (Marzo 1928), Roma, pp. 492-505.
- SEYFFARDT, H. A. Parijsche brief.  
Het Vliegveld, 12de Jaarg., No. 6, 8 (Juni, Aug. 1928), Amsterdam, pp. 154-157, 226-229, ill.
- SEZAWA, KATSUTADA. Some problems of shocks transmitted in bars and in plates.  
Report of the Aeronautical Research Institute, Tôkyô Imperial University, No. 45 (Vol. 4, 4),  
(Nov. 1928), Tôkyô, pp. 83-147, ills., diags.
- SHEBAT, H. V. Information as to cost of aerial transportation.  
Stone and Webster Journal, Vol. 42, No. 6 (June, 1928), Boston, pp. 792-796.
- SHEET metal. See Wagner, Herbert: Structures of thin sheet metal; their design and construction.
- SHEPHERD, W. G. Bring home the Wright plane.  
Collier's, Vol. 82 (Sept. 22, 1928), New York, pp. 8-9, ill.
- Road to justice; Langley-Wright controversy.  
Collier's, Vol. 82 (Dec. 8, 1928), New York, p. 28.
- SHIELDS, L. F. New air communication for western hemisphere; Slate aircraft corporation.  
Bulletin, Pan American Union, Vol. 62 (Nov. 1928), Washington, pp. 1115-1117.
- SHINODA, RYO. See Atsuki, Katsumoto, and Ryo Shinoda: Researches on cellulose acetate and its solution. I. Composition of cellulose acetate lacquer for aeroplane dope.
- See Atsuki, Katsumoto, and Ryo Shinoda: Researches on cellulose acetate and its solution. IV. On the acetylation of cellulose.
- See Atsuki, Katsumoto, and Ryo Shinoda: Researches on cellulose acetate and its solution. V. Relation of temperature and time of ripening to the viscosity of cellulose acetate.
- SHIRMANOW, P. M. I. Yawing moment at an isolated air-foil. II. Test of an air-foil at angles of incidence from 0° to 360°.  
Transactions of the Central Aero-Hydrodynamical Institute, No. 36. U. S. S. R. Scientific-Technical Department of the Supreme Council of National Economy, No. 271, Moscow, 1928, pp. 1-36, ills., tabs., diags.
- SHOCK absorbers. See Port, Theo. de: Determination of stresses in landing gears and design of shock absorbing units, Part I.
- SHOCKS. See Sezawa, Katsutada: Some problems of shocks transmitted in bars and in plates.
- SHOEMAKER, F. GLEN. Recent developments in aircraft ignition.  
Air Corps Information Circular, Vol. 7, No. 611 (Feb. 15, 1928), Washington, Government Printing Office, 1928, pp. 16, ill.

- SHOEMAKER, JAMES M. Near future developments in Navy aircraft engines.  
Aviation, Vol. 24, No. 5 (Jan. 30, 1928), New York, pp. 255-257, ill.
- Preliminary biplane tests in the variable density wind tunnel.  
National Advisory Committee for Aeronautics, Technical Notes No. 289, Washington, June 1928, pp. 15, ill., diagrs., tabs.
- SHORT. The Short Calcutta.  
The Aeroplane, Vol. 34, No. 8 (Feb. 22, 1928), London, pp. 244-250, ill.  
Flight, Vol. 20, No. 8 (Feb. 23, 1928), London, pp. 112-118, ill., diagr.  
Aviation, Vol. 24, No. 16 (Apr. 16, 1928), New York, pp. 976, 1022-1023, ill., diagr.
- The Short "Calcutta" all-metal flying boat.  
Engineering, Vol. 126, No. 3266 (Aug. 17, 1928), London, pp. 195-200, ill.
- The Short "Calcutta" commercial flying boat.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 92, 94, ill.
- The Short "Calcutta." First British all-metal commercial seaplane.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 68, Washington, March 1928, p. 10, ill.
- The Short "Singapore."  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 48, ill.
- See Reyneker, F. H.: De Short "Calcutta."
- SHORT, H. OSWALD. Flying-boats of the future.  
Airways, Vol. 4, No. 7 (March 1928), London, pp. 232-234, ill.
- SIBLEY, H. L. California sets a pace in the air.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, pp. 466, 614, ill.
- Plane for Lindy junior.  
Pop. Mech., Vol. 50 (Aug. 1928), Chicago, pp. 313-317, ill., diagr.
- SICCARDI, INIGO. La propaganda aerea.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 425-428.
- Il turismo aereo.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, p. 429.
- SIDESTRAND I. See Boulton and Paul: The Boulton and Paul "Sidestrans I" bomber airplane (British).
- SIEMENS. See Gosslau: Siemens.
- "SIGN CARRIER I." The "Sign Carrier I."  
Aviation, Vol. 25, No. 8 (Aug. 18, 1928), New York, pp. 532, 549-551, ill.
- SIGRIST, F. Some notes on metal fuselage construction.  
Aeronautical Engineering, suppl. to The Aeroplane, Vol. 34, No. 9 (Feb. 29, 1928), London, pp. 279-280, diagr.
- Stainless steel for aircraft.  
Aircraft Engineer, suppl. to Flight, Vol. 20, No. 39 (Sept. 27, 1928), London, pp. 834b-834d, ill.
- SIKORSKY. Amphibie Sikorsky S 36.  
La Nature, No. 2781 (15 mars 1928), Paris, p. 281, ill.
- Avion Sikorsky S-37.  
La Nature, No. 2782 (1er avril 1928), Paris, p. 329.
- Sikorsky amphibian.  
Scient. Amer., Vol. 138 (April 1928), New York, pp. 354-356, ill.
- The Sikorsky "Guardian."  
Aviation, Vol. 24, No. 3 (Jan. 16, 1928), New York, pp. 148-150, ill.



- SIKORSKY** The Sikorsky twin-engined amphibian type S-38 model 1928.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 79, Washington, August 1928, p. 13, ill.
- The Sikorsky Type S-38 Wasp engined Amphibian.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 248, 250, ill.
- See Neville, Leslie E.: The Sikorsky S-38.
- SILENCERS.** Silent, invisible airplanes.  
Literary Digest, Vol. 99 (Nov. 24, 1928), New York, p. 22.
- SIMMONDS.** The Simmonds Spartan.  
The Aeroplane, Vol. 35, No. 4 (July 25, 1928), London, p. 230, ill.  
Flight, Vol. 20, No. 36 (Sept. 6, 1928), London, pp. 765-766, ill.
- SIMMONS, L. F. G., and L. J. JONES.** The one-foot wind tunnel at the National Physical Laboratory; including particulars of calibration made with a pitot tube and vane anemometer at low speeds.  
Aeronautics. Tech. Rep. Aer. Res. Comm. 1927-28, London, 1928, pp. 133-141, ills., diags., tabs.
- SIMMONS, L. F. G.** See Relf, E. F., and L. F. G. Simmons: A distant-reading instrument for the measurement of small displacements.
- SIMONSON, L.** Bombing London.  
Nation, Vol. 127 (Oct. 3, 1928), New York, p. 318.
- SIMOVIC, DUSCIAN T.** Tattica aerea.  
Belgrade, 1928.
- SIMPLEX.** Simplex Red Arrow monoplanes.  
Aero Digest, Vol. 12, No. 4 (April 1928), New York, p. 608, ill.
- Simplex Red Arrow planes.  
Aviation, Vol. 24, No. 13 (Mar. 26, 1928), New York, pp. 772, 801-803, ill.
- SKATTUM, O. J.** Roald Amundsen. Foredrag på samme møte.  
Norsk Geografisk Tidsskrift, Bind 11, 3.-4. Hefte 1928, Oslo, pp. 147-175, maps.
- Roald Amundsen som geografisk opdager med en oversikt over hans polarferder.  
Norsk Geografisk Tidsskrift, Bind 11, 3.-4. Hefte 1928, Oslo, pp. 147-175, maps.
- SKY-writing.** See McConnell, B. M.: Story of sky-writing.
- See Stubbs-Walker, J.: Writing in the sky.
- SLATE.** The Slate dirigible.  
Aviation, Vol. 25, No. 16 (Oct. 13, 1928), New York, pp. 1189, 1208, 1210, ill.
- SLAWSON, H. H.** Octave Chanute's model gliders found.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 58.
- SLOTTED airfoils.** See Rhode St. Genese, Brussels: Results of aerodynamic tests on slotted airfoils in the aerotechnical laboratory (S. T. Aé.) of Rhode St. Genese, Brussels.
- SLOTTED wings.** Airplane rights itself with safety slot.  
Pop. Mech., Vol. 49 (Feb. 1928), Chicago, p. 231, diagr.
- The first French machine with slots.  
The Aeroplane, Vol. 34, No. 22 (May 30, 1928), London, pp. 772, 774, ill.  
Villiers XXIV.
- See Irving, H. B., A. S. Batson, and D. H. Williams: Model experiments on R. A. F. 31 aerofoil with Handley Page slot.
- See Moes, M. C.: De automatisch werkende Handley Page spleetvleugel.

- SLOTTED wings. *See* Moth: Nouvelle application de l'aile à fente.
- *See* Page, Frederick Handley: 16th Wilbur Wright memorial lecture.
- *See* Sbernadori, Paolo: Le ali a fenditura automatica Handley Page.
- *See* Villiers: L'avion de chasse de nuit F. Villiers type XXIV, muni de l'aile a fente moteur Lorraine 450 cv.
- *See* Wings: L'aile à fente et la sécurité de l'avion.
- SMITH, A. M. The Wilkins Arctic expeditions.  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, pp. 740-741, 874-875, ill.
- SMITH, H. E., and H. L. COX. The determination of the elastic moduli of a mild and a medium steel.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 726-732, ill., tabl.
- SMITH, R. H. *See* Zahm, Albert Francis, R. H. Smith, and F. A. Loudon: Drag of C-class airship hulls of various fineness ratios.
- *See* Zahm, Albert Francis, R. H. Smith, and F. A. Loudon: Forces on elliptic cylinders in uniform air stream.
- SMITHOWSKI, JOHN G. Regarding the mechanics.  
Aviation, Vol. 24, No. 10 (Mar. 5, 1928), New York, pp. 579, 590.
- SMITHSONIAN INSTITUTION. Smithsonian Institution Secretary makes an offer to Orville Wright.  
Aviation, Vol. 24, No. 12 (Mar. 19, 1928), New York, p. 715.
- *See* Abbot, Charles Greeley: The relations between the Smithsonian Institution and the Wright brothers.
- SMITHSONIAN-WRIGHT. Smithsonian Institution and Mr. Orville Wright.  
Science n. s., Vol. 68 (Oct. 5, 1928), Garrison, pp. 316-317.
- SMOKE writing. *See* Stubbs-Walker, J.: Writing in the sky.
- SOARING flight. Popularizing the glider.  
Scient. Amer., Vol. 139 (Oct. 1928), New York, pp. 354-356, ill., diagr.
- Thrill of gliding in a motorless plane.  
Literary Digest, Vol. 98 (Sept. 22, 1928), New York, pp. 52-58, ill.
- *See* Carlier, André: Le vol a voile en France et en Allemagne. Le dernier meeting de Vauville.
- *See* Giacomelli, R.: Les machines volantes de Léonard de Vinci et le vol a voile.
- *See* Hübner, W.: Technical progress shown in the 1927 Rhön soaring-flight contest.
- *See* Klemperer, W.: Soaring flight.
- *See* Langsdorff, v.: Aus dem Schweizer Segelflugzeugbau.
- *See* Langsdorff, v.: Oesterreichische Segelflugzeuge.
- *See* Mock, Richard M.: Gliding and soaring flight.
- *See* Nehring, Johannes: Fluggerfahrungen mit dem Versuchssegelflugzeug "Storch" der Flugtechnischen Abteilung der Rhön-Rossitten-Gesellschaft.
- *See* Stamer, Fritz: Fluggerfahrungen mit dem Versuchssegelflugzeug "Ente" der Flugtechnischen Abteilung der Rhön-Rossitten-Gesellschaft.
- *See* Stamer, F., und A. Lippisch: Gleitflug und Gleitflugzeuge, Teil II, Bauanweisungen und Bauzeichnungen.

- SOCIETÀ ITALIANA SERVIZI AEREI (Trieste).** Relazione su uno speciale tipo di idroscalo fluviale per la linea aerea Trieste-Torino della Società Italiana Servizi Aerei di Trieste.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma 1928, pp. 305-310, ill.
- SOCIETY OF AUTOMOTIVE ENGINEERS.** Many changes are recommended in S. A. E. standards.  
Automotive Industries, Vol. 53, No. 26 (June 30, 1928), Philadelphia, pp. 1007-1009, ill.
- SOLARO, CARLO ALBERTO.** Aerocentri da turismo in Italia.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma 1928, pp. 430-432.
- SOMALILAND.** See Sandalli, Renato: L'aviazione in Somalia.
- SOREAU, RODOLPHE.** L'état actuel et l'avenir de l'aviation.  
L'Aérophile, 36e année, Nos. 3-4 (1er-15 fév. 1928), Paris, pp. 41-42, port.
- La politique de l'air française et l'organisation de notre aéronautique.  
Le Genie Civil, T. 92, No. 4 (28. jan. 1928), Paris, pp. 95-97.
- SOUNDING-lead.** See Memmo, Dino: Il problema delle sonde aeree.
- SOUTH AFRICA.** See Borriello, Luisa: La circolazione atmosferica sull'Africa meridionale.
- SOUTH AMERICA.** Lima, Peru, to Para, Brazil.  
Aviation, Vol. 24, No. 10 (Mar. 5, 1928), New York, pp. 577, 593, ill., map.
- Narrowing South America; air service from Lima to Para.  
Literary Digest, Vol. 97 (June 23, 1928), New York, pp. 56-57.
- See Bruni, G.: South American air routes.
- See Coutinho, Gago, et Jorge de Castilho: Navigation des avions du service commercial pour l'Amérique du Sud.
- See Watson, Henry W.: Speech in House, Jan. 12, 1928, on postal air service to South America.
- SOUTHERN CROSS.** The Great Pacific flight.  
Flight, Vol. 20, No. 24 (June 14, 1928), London, pp. 437, map.
- Southern Cross.  
Review of Reviews, Vol. 78 (July 1928), New York, pp. 92-93, ill.
- See H.: De "Southern Cross" over den Grooten Oceaen.
- See Kingsford-Smith, Charles E., and C. T. P. Ulm: Story of "Southern Cross" trans-Pacific flight, 1928.
- SOUTHWELL, R. V.** On the calculation of stresses in the hulls of rigid airships.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 612-660, ill.
- SPAIN.** La aviación Española.  
Madrid, Publicaciones de la Oficina de Información del Ministerio de Estado, 1928, pp. 156.
- Construcción de aeroplanos en España.  
Iberica, Año 15, Núm. 713 (4 feb. 1928), Barcelona, pp. 66, 67, ill.
- Les nuevas líneas aéreas Barcelona-Madrid y Barcelona-Marsella.  
Iberica, Año 15, Núm. 714 (11 feb. 1928), Barcelona, pp. 81-84, ill.
- See Airports: Un aeropuerto internacional.
- See Barcelona: Aeropuerto nacional de Barcelona.
- See Orlovius, Heinz: Spanien—Das luftsprungbrett über den Atlantic.
- SPAN.** See Lachmann, G.: The span as a fundamental factor in airplane design.



- SPANNER, EDWARD FRANK. The airship business.  
London, Williams and Norgate, Ltd., 1927 [1928], pp. xv, 435, ill.
- Gentlemen prefer aeroplanes! Complementary to the airship business.  
London, E. F. Spanner, 1928, pp. xxi, 437, ill.
- SPANNER, E. J. This airship business.  
London, Williams & Norgate, Ltd., 1927, pp. 423, ill.
- SPARKES, REGINALD BRABANT. See Wingfield, Lawrence Arthur, and Reginald Brabant Sparkes: The law in relation to aircraft.
- SPARS. See Friel, E. C.: Design of trussed metal spars for single-bay airplanes.
- See Martin, Brian L.: Steel spars.
- See Niles, jr., A. S., and E. C. Friel: Progress reports on experimental metal spars.
- See Niles, jr., A. S.: Tests on 6¼-inch metal spars. Appendix I. Logs of tests on 6¼-inch spars. Appendix II. Requirements for experimental metal spars for pursuit and observation loadings.
- SPARTAN. The Spartan biplane.  
Aviation, Vol. 24, No. 8 (Feb. 20, 1928), New York, pp. 449-451, ill.
- The Spartan model C-3.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 370, 372, ill.
- SPAULDING, ROLAND H. See Daniel Guggenheim Fund: Books on aeronautics, a bibliography of books likely to be of use in elementary and secondary schools.
- SPEAIGHT, JAMES MOLONY. Aircraft and commerce for war.  
London, Longmans Gree & Co., 1928.
- SPECIAL AIRSEDAN. The "Special Airedan."  
Aviation, Vol. 25, No. 15 (Oct. 6, 1928), New York, pp. 1097, 1116-1120, ill.
- SPECIFICATIONS. Manufacturers' specifications on American commercial airplanes and seaplanes as compiled by Aviation.  
Aviation, Vol. 24, No. 1 (Jan. 2, 1928), New York, pp. 42-43.
- SPEED. Airplane speedier than bullet.  
Literary Digest, Vol. 97 (June 9, 1928), New York, pp. 18-19.
- Mesure de la vitesse horizontale des avions.  
La Nature, No. 2783 (15 avril 1928), Paris, p. 376.
- Un nouvel appareil avertisseur de perte de vitesse.  
L'Aérophile, 36e année, Nos. 3-4 (1er-15 fév. 1928), Paris, p. 54, ill.
- Three hundred miles an hour planes carry ballast.  
Pop. Mech., Vol. 49 (Jan. 1928), Chicago, p. 4.
- See Barros: Indicateur de vitesse limite Barros.
- See Gymnich, Alfred: Minimalgeschwindigkeit und Flugsicherheit.
- See Records: Nouveaux records de vitesse.
- See Zahm, Albert Francis: An automatic speed control for wind tunnels.
- SPENCER, G. K. Avigation of the air.  
Pop. Mech., Vol. 50 (July 1928), Chicago, pp. 18-23, ill.
- Silver jubilee of aviation.  
Current History Magazine of New York Times, Vol. 28 (July 1928), New York, pp. 548-555, ill.

- SPENCER, K. T. *See* Howard, H. B., and K. T. Spencer: An analysis of some causes of discrepancy between the calculated failing load of the structure of an aircraft and the load at which failure occurs on strength test.
- SPERRY MESSENGER. *See* Weick, Fred E.: The effect of the Sperry Messenger fuselage on the air flow at the propeller plane.
- *See* Weick, Fred E.: Full-scale drag tests on various parts of Sperry Messenger airplane.
- SPHERE. *See* Maccoll, John W.: Aerodynamics of a spinning sphere.
- *See* Flachsbart, O.: Recent researches on the air resistance of spheres.
- SPIEGEL, JULIUS. Einführung in die Flugtechnik.  
Technische Fachbücher. Herausgeg. von Arnold Meyer. 10. Bd. München, C. W. Kreidel, 1928, p. 139, ill.
- SPINNING. *See* Maccoll, John W.: Aerodynamics of a spinning sphere.
- *See* Sutton, H. A.: Airplane spinning characteristics.
- SPITZBERGEN. Le trimoteur "Upland" au Spitzberg.  
L'Aéronautique, 10me année, No. 114 (nov. 1928), Paris, p. 380, ill.
- *See* Tornberg, Egmont: L'aviation suédoise au secours de l' "Italia."
- SPLICING. *See* Ofenstein, C. L.: How to splice a wooden wing beam.
- SPLITDORF. Splitdorf NS9 magneto.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 48, ill.
- SPOT welding. *See* Dunlap, W. M.: Spot welding of aluminum and its alloys.
- SPRIGG, T. STANHOPE. The airport of London.  
Airways, Vol. 4, No. 6 (Feb. 1928), London, pp. 194-195, ill.
- *See* Linney, A. G., and T. Stanhope Sprigg: Who's Who in aviation.
- SPRUCE. *See* Miller, Edward M.: Airplane spruce.
- STABILITY. Two airplanes in tandem with rudder not infringed by plane with stabilizer.  
The United States Daily, Vol. 3, No. 36, (June 13, 1928), Washington, pp. 8, 9.
- *See* Fenton, G. B.: A simple criterion of longitudinal stability.
- *See* Focke-Wulf: Essai allemand: Le Focke-Wulf.
- *See* Gates, S. B.: Longitudinal stability in aeroplanes.
- *See* Munro, William: Seaplane stability calculations.
- *See* Ricci, Carlo Luigi: Sui calcoli di stabilità degli involucri dei dirigibili.
- *See* Stevens, H. L.: Preliminary report on the fitting of slots and flaps and slot-and-aileron control to a Bristol fighter.
- *See* Van der Maas, H. J.: Expériences sur la stabilité longitudinale des avions.
- STACK, T. NEVILLE. The end of the light aeroplane.  
The Aeroplane, Vol. 34, No. 15 (Apr. 11, 1928), London, p. 522.
- STAINLESS steels. *See* Hopercraft, J.: Alloy and stainless steels.
- STALLING. Stalling in safety.  
The Aeroplane, Vol. 34, No. 12 (Mar. 21, 1928), London, pp. 388, 390, ill.

- STAMER, FRITZ. Flugerfahrungen mit dem Versuchssegelflugzeug "Ente" der Flugtechnischen Abteilung der Rhön-Rossitten-Gesellschaft.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 1 (14. Jan. 1928), München und Berlin, pp. 12-13.
- STAMER, F., und A. LIPPISCH. Gleitflug und Gleitflugzeuge, Teil I: Konstruktion und praktische Flugversuche.  
Flugzeugbau und Luftfahrt, Heft 11, im Auftrage des Deutschen Luftfahrt-Verbandes E. V. Berlin, Verlag: C. J. E. Volckmann Nachf., G. m. b. H., 1928, p. 62, ill.
- Gleitflug und Gleitflugzeuge, Teil II, Bauanweisungen und Bauzeichnungen.  
Berlin, C. J. E. Volckmann.
- STAMER, FR. *See* Lippisch, A., und Fr. Stamer: Raketenversuche mit Flugzeugen und Flugzeugmodellen.
- STAMMER, F. *See* Lippisch, A., F. Stammer und J. Nehring: Versuche mit neuartigen Flugzeugtypen. Mitteilung des Forschungsinstituts der Rhön-Rossitten-Ges. von A. Lippisch, Wasserkuppe (Rhön), mit Flugerfahrungen von F. Stammer und J. Nehring.
- STANDARD. The Standard G-D-24.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 250, ill.
- STANDARDIZATION. *See* Russia: Airplane strength calculations and static tests in Russia. (An attempt at standardization.)
- STANLEY, ARTHUR H. The use of patents on foreign aircraft.  
Flight, Vol. 20, No. 18 (May 3, 1928), London, p. 299.
- STANTON, T. E. A high-speed wind channel for tests on aerofoils.  
Aeronautics. Tech. Rep. Aer. Res. Comm. 1927-28, London, 1928, pp. 142-150, ills., diagrs., tabs.
- STARLING. *See* Lindbergh, H. A.: The "Starling" biplane.
- STARTERS. *See* Allen, J. W.: Aircraft-engine starters.
- STARWING. The "Starwing" monoplane.  
Aviation, Vol. 25, No. 19 (Nov. 3, 1928), New York, pp. 1409, 1430, 1432, ill.
- STATIC test. *See* Hardy, Russell F.: Static test on the Material Division 32 by 6 disk wheel.
- STEARMAN. The Stearman biplane.  
Aviation, Vol. 24, No. 21 (May 21, 1928), New York, pp. 1454, 1479-1481, ill.
- The Stearman model C2.  
Aero Digest, Vol. 12, No. 5 (May 1928), New York, pp. 810, 812, ill., diagr.
- *See* Parker, Willis: Assembly methods in the Stearman factory.
- STEEL, G. H. Testing aircraft armament.  
Army Ordnance, Jan.-Feb., 1928, Washington, p. 229.
- STEEL aircraft. Steel aircraft and air-cooled aero engines.  
Flight, Vol. 20, No. 49 (Dec. 6, 1928), London, pp. 1041.
- STEEL spars. *See* Martin, Brian L.: Steel spars.
- STEELS. The correct hardening of tool steel.  
Aircraft Engineer, suppl. to Flight, Vol. 20, No. 4 (Jan. 26, 1928), London, p. 541.
- Die Herstellung und Kontrolle der Flugzeugstähle bei den deutschen Edelstahlwerken.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 276-278, diagrs.
- *See* Hopercraft, J.: Alloy and stainless steels.



- STEELS. *See* Illies, H.: Chrom-Molybdänstahl für den Flugzeugbau.
- *See* Miller, W. B.: Welding of high chromium steels.
- *See* Sigrist, F.: Stainless steel for aircraft.
- STEERING. *See* Boykow, Hans: Motorische Flugzeugsteuerung.
- STEFANSSON, VILHJALMAR. Arctic danger spots and seasons.  
Outlook, Vol. 149 (June 13, 1928), New York, pp. 258-259, map.
- Flying north; Hassel and Cramer flight.  
Outlook, Vol. 150 (Sept. 26, 1928), New York, p. 852, map.
- Notes on Arctic flying; extracted from an appendix prepared for a forthcoming translation of the "Northward Course of Empire" communicated to the Society by Vilhjalmur Stefansson.  
The Geographical Journal, Vol. 71, No. 2 (Feb. 1928), London, pp. 167-171.
- STEPHAN, IR. B. Dient het luchtverkeer met Indië van meet af aan met zeevliegtuigen te worden opgezet?  
Het Vliegveld, 12de Jaarg., No. 3 (Maart 1928), Amsterdam, pp. 71-72.
- STEVENS, F. W. The gaseous explosive reaction. The effect of inert gases.  
National Advisory Committee for Aeronautics, Report No. 280, March 16, 1928, Washington, Government Printing Office, 1927, pp. 12, ill., diags.
- STEVENS, H. L. Full-scale test of the slot and aileron control on a Woodcock.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, pp. 436-437, ill., diags.
- STEVENS, H. L., and A. E. WOODWARD NUTT. Notes on performance testing.  
Aeronautics Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 395-402, diags.
- STEVENS, H. L. Preliminary report on the fitting of slots and flaps and slot-and-aileron control to a Bristol fighter.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 433-435, ill.
- The reduction of performance tests. Lecture delivered before the Yeovil Branch.  
Journ. Roy. Aer. Soc., Vol. 32, No. 215 (Nov. 1928), London, pp. 943-958, diags.
- Second report on full-scale experience with the slot and aileron control fitted to a Bristol fighter.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 200-202, ill., diag.
- *See* Jones, E. T., and H. L. Stevens: The direct measurement of the angle of flight path of an aeroplane as a means of eliminating the effect of air currents on the measurement of lift and drag.
- STEWART, C. J. Modern development in aircraft instruments.  
Journ. Roy. Aer. Soc., Vol. 32, No. 210 (June 1928), London, pp. 425-481, ill.
- STEWART, OLIVER. Aeolus; or, the future of the flying machine.  
New York, E. P. Dutton & Co., inc., [1928], pp. 91, diags.
- Aerobatics; a simple explanation of aerial evolutions.  
London, Sir Isaac Pitman and Sons, Ltd., 1928, pp. viii, 78.
- The finesse of flying. I.—There are an infinite number of degrees of craftsmanship in flying.  
Airways, Vol. 4, No. 6 (Feb. 1928), London, pp. 203-204.
- The finesse of flying. II.—The perfect pilot is the product of long and intelligent practice.  
Airways, Vol. 4, No. 7 (March 1928), London, pp. 240, 255.
- STINSON. The Stinson "Junior."  
Aviation, Vol. 24, No. 22 (May 28, 1928), New York, pp. 1518-1519, 1550, ill.

- STINSON, MARJORIE. The diary of a country girl at flying school.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, pp. 168-169, 296-297, ill.
- STIMSON, THOMAS D. Airports in the State of Washington.  
Aviation, Vol. 25, No. 10 (Sept. 1, 1928), New York, pp. 698, 762, 764, ill.
- STIPA, LUIGI. Motore per alta quota autoraffreddatore.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 479-491, ill.
- STIPLER, W. Befeuerungsanlagen für den Luftverkehr.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23. u. 24 (20. Dez. 1928), München und Berlin, pp. 578-581, ill.
- Eine neue Anflanschnabe auf der IIa.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 23. u. 24 (20. Dez. 1928), München und Berlin, p. 581, ill.
- STOEGER, C. O. Luftfahrt und Nebelbekämpfung.  
Aeronautica, Vol. 2, Nos. 8, 11 (Aug., Nov. 1928), Amsterdam, pp. 144-147, 234-236.
- STOUT, W. B. Duralumin all-metal airplane construction.  
Journ. Soc. Automotive Engineers, Vol. 22, No. 4. (April, 1928), New York, pp. 430-436.
- STOWELL, E. Z. Unidirectional radiobeacon for aircraft.  
Bureau of Standards, Journal of Research, Vol. 1, No. 6 (Dec. 1928), Washington, pp. 1011-1022, ill.
- STRATOWA, WULF VON. Österreichs Bedeutung im Luftverkehr.  
Flug-Woche, 10. Jahrg., Heft 3, 1928, Berlin, pp. 76-78, ill.
- STREAMLINE WIRES. See DeFoe, George L.: Resistance of streamline wires.
- STRESS. See Pippard, Alfred John Sutton: Strain energy methods of stress analysis.
- "STRIP" method. See Sutton, H. A.: Effect of cellule arrangement on the rate of autorotation calculated by the "strip" method.
- STRUCTURE. See Drag: Determination of structural airplane drag.
- STRUTS. See Zahm, Albert Francis, R. H. Smith, and F. A. Louden: Forces on elliptic cylinders in uniform air stream.
- STUBBS-WALKER, J. Writing in the sky, Smoke-writing by night is the latest development in aerial advertising.  
Airways, Vol. 4, No. 9 (May 1928), London, pp. 309-310, ill.
- STUDLEY, BARRETT. Practical flight training.  
New York, The MacMillan Co., 1928, pp. xv, 435.
- STUNT flying. Lindy pleads for regulation of stunt flying.  
Literary Digest, Vol. 99 (Nov. 24, 1928), New York, pp. 62-63.
- Wrong side up!  
Pop. Mech., Vol. 49 (June 1928), Chicago, pp. 957-961, ill.
- SUETER, MURRAY FRASER. Airmen on Noahs. Fair play for our airmen. The great "Neon" air myth exposed.  
London, Sir Isaac Pitman & Sons, Ltd., 1928, pp. xxvi, 448, ill.  
Color illustrations by W. Russell Flint. Black and White by E. G. O. Beuttler.
- SUHARA, TOYOTARO. La distribuzione e le oscillazioni della temperatura nelle parti principali di un motore d' aviazione.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 349-357, ill.
- SUMMER, P. H. The science of flight: Aeroplanes, seaplanes and aero engines.  
London, Crosby, Lockwood and Son, 1928, pp. xv, 292. 1928]

- SUPERCHARGERS.** *See* Schey, Oscar W., and Ernest E. Wilson: An investigation of the use of discharge valves and an intake control for improving the performance of N. A. C. A. Roots type supercharger.
- *See* Ware, Marsden, and Ernest E. Wilson: The comparative performance of Roots type aircraft engine superchargers as effected by change in impeller speed and displacement.
- *See* Ware, Marsden, and Oscar W. Schey: A preliminary investigation of supercharging an air-cooled engine in flight.
- SUPERMARINE.** Supermarine "S-5."  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 374-375, ill.
- Supermarine S-5 seaplane (British). Winner of the 1927 Schneider Cup Race.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 67, Washington, March 1928, pp. 9, ill.
- Winner of the Schneider Race.  
Flight, Vol. 20, No. 7 (Feb. 16, 1928), London, pp. 94-100, ill., diagr.
- SURVEYING.** The mechanism of air survey.  
The Aeroplane, Vol. 35, No. 4 (July 25, 1928), London, p. 234.
- *See* Beazeley, C. A.: Survey from aircraft.
- *See* Crosthwait, H. L.: Air survey and Empire development.
- *See* Fourcade, H. G.: A new method of aerial surveying. The principal point and principal distance in photogrammetry.
- *See* Great Britain: Air survey and Empire development.
- *See* Hotine, M.: The stereoscopic examination of air photographs.
- SUTTON, H. A.** Airplane spinning characteristics.  
Air Corps Information Circular, Vol. 7, No. 613 (Feb. 15, 1928), Washington, Government Printing Office, 1928, pp. 32, ills., diagrs.
- Effect of cellule arrangement on the rate of autorotation calculated by the "strip" method.  
Air Corps Information Circular, Vol. 7, No. 609 (Feb. 1, 1928), Washington, pp. 77, ills., diagrs., tabs.
- SWALLOW.**—The Swallow Commercial.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 190, ill.
- SWEDEN.** *See* Olson, A. L.: Aeronautics in Sweden.
- *See* Tornberg: Eigene Erlebnisse auf der Schwedischen Nobile-Hilfs-expedition.
- SWINEHEART, D. E.** Aviation in North China.  
Aviation, Vol. 24, No. 11 (Mar. 12, 1928), New York, pp. 636, 648.
- SWITZERLAND.** *See* Dollfus, Walter: Sie Schweizerische civilluftfahrt 1927.
- *See* Langsdorff, v.: Aus dem Schweizer Segelflugzeugbau.
- SYMBOLS.**—Report of the Symbols Sub-committee.  
Aeronautics, Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 943-946.
- SZEKELY.** Szekely aero engines.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, p. 200, diagr.
- Szekely sky-roamer.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 970, 972, ill.
- The Szekely SR-3 air cooled engine.  
Aviation, Vol. 24, No. 22 (May 28, 1928), New York, pp. 1516-1517, 1551, ill.



## T

- TACZANOWSKI, CZESLAS DE. Le tour du monde sans escale.  
L'Aérophile, 36e année, Nos. 9-10 (1 er-15 mai 1928), Paris, p. 139, map.
- TAGLIASACCHI, LUIGI. Cenni a confronti sui materiali impiegati nelle costruzioni aeronautiche e sui differenti sistemi di costruzioni metalliche ed in legno dal punto di vista tecnico-industriale.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 492-499.
- TAIL surfaces. See Dronin, Paul V., Earl I. Ramsden, and George J. Higgins: The effect of tip shields on a horizontal tail surface.  
— See Port, Theo de: Study of horizontal tail surfaces of consolidated XPT-3 (NY-1).
- TAKE-OFF. See Breguet, Louis: On the take-off of heavily loaded airplanes.  
— See Pröll, A.: Take-off of heavily loaded airplanes.
- TALENTI, CESARE. Influenza delle luci colorate sull'adattamento retinico.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 645-657, tabs.
- TALENTI, CESARE, e L. MEINERI. Studi sopra la determinazione del "visus" in rapporto all'adattamento retinico al buio, con riguardo alla scelta del personale aero-navigante.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 658-668, ill., tabl.
- TAMANO, MITUO. See Terada, Torahiko, Mituo Tamano, and Kôki Nisida: On gustiness of winds.
- TANAKA, K. See Matsumoto, M., K. Tanaka, and I. Terazawa: Physiological test and Physiological experiments tried on Mt. Huzi.
- TANAKA, YOSHIO, and TSUTOMU KUWATA. On preparation of lead tetraethyl,  
Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 29, (Vol. 2, 15), (Dec. 1927), Tokyo, pp. 409-417.
- TANAKA, YOSHIO, and KATSUMOTO ATSUKI. Researches on cellulose acetate and its solution, III. Stabilizer for cellulose acetate.  
Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 34 (Vol. 3, 4), (Feb. 1928), Tokyo, pp. 91-100.
- TANAKADATE, A. Kinematographische Untersuchung über die Entstehung der Luftwirbel.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, p. 134, ill.
- TANDBERG, ROLF S. Med hundespann på eftersøkning efter "Italia"—folkene.  
Norsk Geografisk Tidsskrift, Bind 11, 3.-4, Hefte 1928, Oslo, pp. 176-214, ill.
- TAPINASSI, CARLO. La costruzione metallica degli aeroplani.  
L'Aerotechnica, Vol. 8, N. 10, 11 (Ott. Nov., 1928), Anno 6, Pisa, pp. 774-812, 845-863, ill.
- TARANTINI, LELLO. Considerazioni sulla "Valigia delle Indie" aerea.  
Rivista Aeronautica, Anno 4, N. 1 (Gen. 1928), Roma, pp. 47-52, tabs.
- Forme e dimensioni più opportune per campi d'atterramento.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 311-320, ill.
- Progetto per l'aeroporto civile di Ostia.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 321-328, ill.

- TARANTINI, LELLO. Proposte di modifiche alla "Convenzione per il regolamento della navigazione aerea."  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 329-345, ill.
- TARGA, SPARTACO. Alcune questioni relative all'impiego dell'armata aerea.  
Rivista Aeronautica, Anno 4, N. 3 (Marzo 1928), Roma, pp. 440-449.
- Dominio o supremazia aerea.  
Rivista Aeronautica, Anno 4, N. 5, 10 (Mag. Ott. 1928), Roma, pp. 234-239, 21-27.
- Riflessioni sul "Problema integrale della guerra."  
Rivista Aeronautica, Anno 4, N. 11 (Nov. 1928), Roma, pp. 276-282.
- TASHKENT-KABUL. See Russia: Soviet aviation. The Tashkent-Kabul air line.
- TATE, WILLIAM J. With the Wrights at Kitty Hawk. Anniversary of first flight twenty-five years ago.  
Aeronautical Review, Vol. 6, No. 12 (Dec. 1928), Washington, D. C., pp. 188-192, ill., port.
- TATIN, VICTOR. See Hydravion: De baanbrekers der dynamische luchtvaart. XVI. Victor Tatin.
- TAUBER, ERNST. Das Luftrecht auf dem Deutschen Juristentag.  
Der Luftweg, Heft 18, Jahrg. 1928 (25. Sept. 1928), Berlin-München, pp. 195-196.
- TAUSZ, J., and F. SCHULTE. Ignition points and combustion reactions in Diesel engines. Parts I and II.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 483, 484, October 1928, Washington, pp. 43, 66, ill., tabs.  
Communication from the Petroleum Research Laboratory of the Institute of Applied Chemistry, Technical High School, Karlsruhe.
- TAYLOR. The Taylor "Chummy."  
Aviation, Vol. 25, No. 1 (July 2, 1928), New York, pp. 28, 56-59, ill.
- The Taylor "Chummy" monoplane.  
Aero Digest, Vol. 12, No. 4 (April, 1928), New York, p. 584, ill.
- TAYLOR, CHARLES FAYETTE. See Chatfield, Charles Hugh, and Charles Fayette Taylor: The airplane and its engine.
- TAYLOR, H. B. High-speed compression-ignition engine research.  
Journ. Roy. Aer. Soc., Vol. 32, No. 211 (July 1928), London, pp. 555-595, ill., diagrs., tabs.
- TAYLOR, R. C. The alignment and inspection of components.  
Journ. Roy. Aer. Soc., Vol. 32, No. 212 (Aug. 1928), London, pp. 721-740, ill.
- TEACHING. Teaching the young idea how to fly.  
Literary Digest, Vol. 97 (June 9, 1928), New York, p. 41.
- TEMPERATURE. See Suhara, Toyotaro: La distribuzione e le oscillazioni della temperatura nelle parti principali di un motore d'aviazione.
- See Townsend, E. J. D.: Some notes on temperature gradients in Iraq.
- TEMPLE. See Knack, Frederick: The Temple monoplane.
- TENTS. See Italy: L'uso pratico del nuovo telo da tenda.
- TEOFILATO, PIETRO. Sul moto di un paracadute.  
L'Aerotechnica, Vol. 8, N. 3 (Marzo 1928), (Anno 6), Pisa, pp. 193-208.
- TERADA, TORAHIKO, MITUO TAMANO, and KÔKI NISIDA. On gustiness of winds.  
Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 33 (Vol. 3, 8), (June 1928), Tokyo, pp. 235-270, ill., diagrs.
- TERADA, TORAHIKO. Some experiments on periodic columnar forms of vortices caused by convection.  
Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 31 (Vol. 3, 1), (Jan. 1928), Tokyo, pp. 3-47, ill.

- TERA-METHYL lead. *See* Nagai, Yûzaburô: Effect of antiknock materials on the speed of initial uniform movement of the flame in hydrocarbon-air mixtures.
- TERAZAWA, I. *See* Matsumoto, M., K. Tanaka, and I. Terazawa: Physiological test and physiological experiments tried on Mt. Huzi.
- TERAZAWA, KWAN-ICHI. On the interference of wind tunnel walls of rectangular cross-section on the aerodynamical characteristics of a wing.  
Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 44 (Vol. 4, 3), (October 1928), Tokyo, pp. 69-81, ill.
- TERMINOLOGY. Aviators speak a language all their own.  
Literary Digest, Vol. 97 (May 12, 1928), New York, pp. 73-74.
- TEST methods. *See* Insley, Robert: Power-plant laboratory standard test methods and computations.
- TESTING. *See* England, T. H.: The practical side of performance testing of aircraft.
- TETRAETHYL lead. *See* Duchêne, R.: L'influence du plomb tétréthyle sur la déflagration des mélanges carburés gazeux.
- TETRAMETHYL tin. *See* Nagai, Yûzaburô: Effect of antiknock materials on the speed of initial uniform movement of the flame in hydrocarbon air mixtures.
- THADEN. The Thaden all-metal monoplane.  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 378-379, ill.
- The Thaden type T-2.  
Aviation, Vol. 25, No. 17 (Oct. 20, 1928), New York, pp. 1259, 1278-1282, ill.
- THATCHER, MAURICE H. Speech in House Feb. 10, 1928, concerning aviation in the Post Office Department, including a list of the present airmail routes.  
Congressional Record, Vol. 69, No. 46, Washington, [1928]. pp. 2953-2957.
- THE VIRGINIA. Commander Byrd's Fokker.  
Aviation, Vol. 25, No. 18 (Oct. 27, 1928), New York, pp. 1325, 1350-1354, ill.
- THÉODORIDÈS, Ph. Aperçu sur le projet de loi hellénique de 1927 sur la navigation aérienne.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 346-353.
- THOM, A. The boundary layer of the front portion of a cylinder.  
Aeronautical Research Committee, Reports and Memoranda No. 1176, (Ae. 340), July 1928, London, 1928, pp. 20, diagrs., tabs.
- The pressures round a cylinder rotating in an air current.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 66-77, ills., diagrs., tabs.
- THOMPSON. The L. S. Thompson speed trophy. Magnificent silver trophy awarded for breaking world's maximum speed record.  
Aeronautic Review, Vol. 6, No. 7 (July 1928), Washington, D. C., p. 101, ill., port.
- THOMPSON, FLOYD LA VERNE. Water-pressure distribution on a seaplane float.  
National Advisory Committee for Aeronautics, Report No. 290, Sept. 26, 1928, Washington, Government Printing Office, 1928, pp. 15, ill., tabs.
- THOMPSON, H. H. Railroads and airplanes.  
Railway Journal, Vol. 34, No. 7 (July 1928), Chicago, pp. 33-35, ills.
- THORET. Un record de battements d'ailerons.  
L'Aérophile, 36e année, Nos. 21-22 (1er-15 nov. 1928), Paris, pp. 333-334, diagr.
- THORET, JOSEPH. Tourisme aérien au Mont Blanc.  
L'Aérophile, 36e année, Nos. 5-6 (1er-15 mars 1928), Paris, pp. 77-78, ills.



- THUNDERBIRD.** The Thunderbird.  
Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 62, ill., diagr.
- THURSTON, A. P.** The control of aircraft by supplementary aviettes of alulas.  
Flight, Vol. 20, No. 37 (Sept. 13, 1928), London, pp. 782-785, ill., diagr.
- TIBIDABO.** El aeroplani del Tibidabo.  
Ibérica, Año 15, Núm. 747 (13 Oct. 1928), Barcelona, pp. 210-211, ills.)
- TILMANT, A.** L'aviation sanitaire.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 669-679.
- TIMM.** O. W. Timm 7-place, biplane.  
Aero Digest, Vol. 13, No. 3 (Sept. 1928), New York, p. 460, ill.
- The Timm biplane.  
Aviation, Vol. 25, No. 9 (Aug. 25, 1928), New York, pp. 595, 610, ill.
- TINSON, CLIFFORD W.** Light single-seater aeroplanes.  
Aircraft Engineer, suppl. to Flight, Vol. 20, Nos. 43, 48 (Oct. 25, Nov. 29, 1928), London pp. 936a-936c, 1020d-1020e, diagr.
- TIP shields.** See Dronin, Paul V., Earl I. Ramsden, and George J. Higgins:  
The effect of tip shields on a horizontal tail surface.
- TITTERTON, GEORGE F.** See Klemin, Alexander, and George F. Titterton:  
Stress analysis of commercial aircraft.
- TODD, M.** How Commander Byrd forecasts the coming age of the air.  
Literary Digest, Vol. 97 (April 7, 1928), New York, pp. 66-69.
- TODD, STANLEY W.** Making air express a reality.  
Aero Digest, Vol. 12, No. 1 (Jan., 1928), New York, pp. 24, 125-127, ill.
- TORNBERG.** Eigene Erlebnisse auf der Schwedischen Nobile-Hilfsexpedition.  
Flug-Woche, 10, Jahrg., Heft 10, 1928, Berlin, pp. 310-314b, ills.
- TORNBERG, EGMONT.** L'aviation suédoise au secours de l' "Italia."  
L'Aéronautique, 10me année, No. 114 (Nov. 1928), Paris, pp. 376-379, ills.
- TORPEDOES.** See Bumpus, F. A.: The development of torpedo-carrying aircraft.
- TORSION.** See Gabrielli, Giuseppe: Sulla rigidezza a torsione di un' ala a sbalzo con sezioni costanti dei longaroni e delle centine.
- TOUL.** See Bokanowski, Maurice: La catastrophe aérienne de Toul. Maurice Bokanowski.
- TOURING.** See Ranalli, Renato: Turismo aereo e sport aeronautico.
- TOURRETTE, A.** La récupération du lest à bord des dirigeables.  
L'Aéronautique, 10me année, No. 108 (mai 1928), Paris, pp. 160-164, ills.
- TOUSSAINT, A.** L'aviation actuelle, étude aérodynamique et essais des avions; l'aviation actuelle et la sécurité.  
Paris, F. Alcan, 1928, pp. vi, 314, ills., diagrs.
- Calcul de la résistance à l'avancement d'un fuselage d'avion muni d'un radiateur frontal.  
L'Aérophile, 36e année, Nos. 3-4 (1er-15 fév. 1928), Paris, pp. 50-54, ills., diagrs.
- TOUSSAINT, A., et E. CARAFOLI.** Caractéristiques aérodynamiques des profils empiriques minces. Applications aux empennages et aux ailerons de courcure.  
L'Aérophile, 36e année, Nos. 11-12 (1er-15 juin 1928), Paris, pp. 179-183, ills.
- Choice of profile for the wings of an airplane. Parts I and II.  
National Advisory Committee for Aeronautics, Technical Memorandums Nos. 468, 469, June, 1928, Washington, pp. 22, 23, ill.  
From L'Aéronautique, December, 1927, and January, 1928.

- TOUSSAINT, A., et E. CARAFOLI.** Le choix du profil des ailes sustentatrices.  
L'Aéronautique (L'Aérotechnique, 6e année, No. 61), 10me année, No. 104 (jan. 1928), Paris,  
pp. 9-16, ills.  
Continued from L'Aéronautique, 9me année, No. 103 (déc. 1927), pp. 383-390.
- TOWNSEND, E. J. D.** Some notes on temperature gradients in Iraq.  
Journ. Roy. Aer. Soc., Vol. 32, No. 214 (Oct. 1928), London, pp. 901-909, diagrs., tabs.
- TOWNSEND, H. C. H.** Lift and drag of three model aeroplanes. Comparative tests in atmospheric and variable-density wind tunnels at the same Reynolds number.  
Aeronautics. Tech. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 155-160, diagrs., tabs.
- TOWNSEND, H. C. H., and J. H. WARSAP.** Tests of a metal airscrew in a closed tunnel for comparison with American tests in an open jet tunnel.  
Aeronautics. Tech. Rep. Aer. Res. Comm. 1927-28, Vol. 1, London, 1928, pp. 243-246, ills., diagrs., tabs.
- TOWNSEND, H. C. H.** See Bateman, H., H. C. H. Townsend and T. A. Kirkup: Experiments with a family of airscrews, including effect of tractor and pusher bodies. Part IV.—In the effect of placing an airscrew in various positions within the nose of a streamline body.
- See Lock, C. N. H., and H. C. H. Townsend: Photographs of the flow round a model screw working in water, especially in the "vortex ring state."
- See Lock, C. N. H., H. C. H. Townsend, and A. G. Gadd: Wind-tunnel experiments on a symmetrical aerofoil (Göttingen 429 Section).
- TRAFFIC.** See Musto, C.: Necessità organizzativa del traffico aereo.
- TRAINING.** Braving death to learn flying at Uncle Sam's air schools.  
Literary Digest, Vol. 97 (April 7, 1928), New York, pp. 61-65.
- Flying by mail.  
Independent, Vol. 120 (June 23, 1928), Boston, pp. 587-588.
- See Debus, W.: Privatfliegerschulen oder Vereinsfliegerschulen?
- See Studley, Barrett: Practical flight training.
- TRANSATLANTIC.** See Atlantic.
- TRANSCONTINENTAL.** The transcontinental air derbies.  
Aviation, Vol. 25, No. 12 (Sept. 15, 1928), New York, pp. 870-871, 880-882, ill., map.
- TRANSCONTINENTAL flights.** Ocean to ocean between lunch and breakfast; Goebel-Tucker flight.  
Literary Digest, Vol. 98 (Sept. 8, 1928), New York, pp. 10-11, ill., map.
- TRAVEL AIR.** The travel Air 6000.  
Aviation, Vol. 25, No. 9 (Aug. 25, 1928), New York, pp. 592, 616-617, ill.
- Travel Air type 6000 monoplane.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, p. 962, ill.
- Warner-engined Travel Air.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, p. 748, ill.
- TRAYER, G. W.** Bearing strength of wood under steel aircraft bolts and washers and other factors influencing fitting design.  
National Advisory Committee for Aeronautics, Technical Notes No. 296, Washington, October 1928, pp. 25, ill., tabs., diagrs.
- TRIPODI, A. R.** See Guglielmetti, A., ed A. R. Tripodi: Di una serie di ricerche e di esperienze sui paracadute.

- TRIPODI, A. R. *See* Guglielmetti, Aldo, e A. R. Tripodi: Diagrammi dinamometriche dello spiegamento dei paracadute.
- TROJANI, FELICE. Apertura di un nuovo aeroporto in Roma per aeroplani e idrovolanti.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 354-357, ill.
- TROLLER, THEODOR. Influence of fuselage on propeller design.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 492, December 1928, Washington, pp. 11, ill.  
From *Zeitschrift für Flugtechnik und Motorluftschiffahrt*, July 28, 1928.
- Zur Berücksichtigung des Rumpfes beim Luftschraubenentwurf.  
*Zeitschr. Flugt. Motorluftsch.*, 19. Jahrg., Heft 14 (28, Juli 1928), München und Berlin, pp. 325-328, ill., diags.
- TRUAX, T. R. Gluing practice at aircraft manufacturing plants and repair stations.  
National Advisory Committee for Aeronautics, Technical Notes No. 291, Washington, July 1928, pp. 11, ill.
- TRUMBULL, JOHN H. How Connecticut looks from the air.  
*Aeronautie Review*, Vol. 6, No. 11 (Nov. 1928), Washington, D. C., p. 171, port.
- TRUSSES. *See* Friel, E. C.: Design of trussed metal spars for single-bay airplanes.  
— *See* Niles, A. S.: The computation of truss deflections by the method of elastic weights.
- TSCHUDI, v. Flug-Kursbücher und -Pläne.  
Der Luftweg, Heft 9, Jahrg. 1928 (10. Mai 1928), Berlin-München, pp. 87-88.
- Genehmigung von Schauflugveranstaltungen im Ausland.  
Der Luftweg, Heft 17, Jahrg. 1928 (10. Sept. 1928), Berlin-München, p. 186.
- Ozeanflüge.  
Der Luftweg, Heft 16, Jahrg. 1928 (25. Aug. 1928), Berlin-München, p. 175.
- TUBING. Solid drawn tubing for aircraft.  
*Flight*, Vol. 20, No. 51 (Dec. 20, 1928), London, pp. 1072-1074, ill.
- *See* Rechtlich, A.: Tensile strength of welded steel tubes. First series of experiments.
- TUCKER, HARRY J. *See* Goebel, Arthur and Harry J. Tucker: Coast to coast in 18 hrs. 58 min.
- TUCKER, W. S. The problem of noise in civil aircraft and the possibilities of its elimination.  
*Journ. Roy. Aer. Soc.*, Vol. 32, No. 207 (March 1928), London, pp. 185-205, ill., diag.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 473, July, August, 1928, Washington, pp. 26, 22, ill.
- TULLIO, BIFFI. Sui mezzi per condurre una nave aerea nei suoi viaggi sul pianeta terrestre.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. II, Roma, 1928, pp. 30-39.
- TURIN. *See* Bertolini, C.: La mostra dell'aeronautica all'esposizione di Torino.  
— *See* Scuola di Ingegneria di Torino: Diagrammi logaritmici di eliche raccolte in 25 famiglie relative al rapporto fra passo e diametro.
- TURNBULL. *See* Propellers: The Turnbull variable-pitch propeller.
- TURNER, Charles Cyril The old flying days.  
London, Sampson Low, Marston and Co., pp. x, 374, ill.



## U

- ULLMAN, R. G. E. Flying on business.  
Review of Reviews, Vol. 77 (April 1928), New York, pp. 416-417, ill.
- ULM, C. T. P. *See* Kingsford-Smith, C. E., and C. T. P. Ulm: Our conquest of the Pacific.
- *See* Kingsford-Smith, Charles E., and C. T. P. Ulm: Story of "Southern Cross" trans-Pacific flight, 1928.
- UNITED STATES. Air-minded now.  
Collier's, Vol. 81 (June 23, 1928), New York, p. 54.
- Die amerikanische Luftfahrtindustrie im Jahre 1927. Eine vorbildliche Entwicklung.  
Flug-Woche, 10. Jahrg., Heft 2, 1928, Berlin, pp. 41-42, diags.
- Are we air-shy?  
World's Work, Vol. 56 (Sept. 1928), Garden City, N. Y., pp. 467-468.
- L'armamento degli aeroplani.  
Rivista Aeronautica, Anno. 4, N. 7 (Luglio 1928), Roma, pp. 154-165, ills.
- Il futuro dell'America nell'aria.  
Rivista Aeronautica, Anno 4, N. 11 (Nov. 1928), Roma, pp. 383-388, ills., map.
- Indrukken uit Amerika.  
Het Vliegvel, 12de Jaarg., No. 5 (Mei 1928), Amsterdam, pp. 122-124.
- Production a'avions civils aux États-Unis en 1927.  
L'Aéronautique, 10me année, No. 108 (mai 1928), Paris, p. 132.
- United States Aircraft Carriers.  
Mech. Eng., Vol. 50, No. 4 (April 1928), New York, pp. 280-284, ill.
- The U. S. Flyer.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 264, ill.
- *See* Dollfus, Charles: Seconde visite à l'aviation des États-Unis.
- *See* Gardner, Lester D. The development of civil aeronautics in America.
- *See* Gassner, Alfred A.: Amerika und das Handels-Flugzeug.
- *See* Kurz, Erwin: Die neueste Entwicklung der Motorzündung für Flugzeuge in Amerika.
- *See* Lighting: Stati Uniti. Illuminazioni di aeroporti.
- *See* National Air Races.
- *See* Patrick, Mason Mathews: The United States in the air.
- UNITED STATES CONGRESS. Authorizing the coinage of a gold medal for presentation to Col. Charles A. Lindbergh in honor of his achievements. Hearings before the Committee on Coinage, Weights, and Measures, House of Representatives, Seventieth Congress, first session, on H. J. Res. 192. February 20, 1928.  
Washington, United States Government Printing Office, 1928, pp. ii, 6.
- Authorizing the coinage of a gold medal in commemoration of the achievements of Col. Charles A. Lindbergh. Report. To accompany House Joint Resolution 192.  
Washington, United States Government Printing Office, 1928, p. 1. 70th Cong., 1st session. House. Report 722.

- UNITED STATES CONGRESS. Civil aeronautics. Legislative history of the air commerce act of 1926 approved May 20, 1926, together with miscellaneous legal materials relating to civil air navigation. Revision of the 1923 ed. of law memoranda upon civil aeronautics. Cor. to August 1, 1928. Printed for the use of the Committee on Interstate and Foreign Commerce, House of Representatives.  
Washington, United States Government Printing Office, 1928, pp. v, 178.
- Distinguished flying cross to Orville Wright . . . Report. To accompany H. R. 13990.  
Washington, United States Government Printing Office, 1928, p. 1. 70th Cong., 2d session. House Report 1946.
- Increase the efficiency of the air crops . . . Report to accompany S. 3269.  
Washington, United States Government Printing Office, 1928, pp. 16. 70th Congress, 2d session, House Report 1947.
- Navy Department appropriation bill 1929. Supplemental hearing before subcommittee of House Committee on Appropriations . . . in charge of the Navy Department appropriation bill for 1929. Rigid airships. Seventieth Congress, first session.  
Washington, United States Government Printing Office, 1928, pp. ii, 33.
- To authorize Col. Charles A. Lindbergh to accept decorations of foreign governments. Report to accompany H. R. 10715.  
Washington, United States Government Printing Office, 1928, p. 1. 70th Congress, 1st session, House Report 619.
- UNITED STATES DEPARTMENT OF COMMERCE. Directory of licensed pilots. July 31, 1928.  
Washington, United States Government Printing Office, 1928, pp. v. Aeronautics bulletin No. 20.
- Physical standards for airplane pilots. Revised August 1, 1928.  
Washington, United States Government Printing Office, 1928, pp. 11.
- UNITED STATES DEPARTMENT OF WAR. Report of Air Corps procurement operations, fiscal year 1927 (Section 10-m, 44 Stat. L., 787).  
Annual Reports War Department fiscal year ended June 30, 1927, Report of the Secretary of War to the President, 1927, Washington, United States Government Printing Office, 1927, pp. 229-235.
- See Davison, F. Trubee: Annual report of the Assistant Secretary of War. (Aeronautics.)
- UNITED STATES FOREST SERVICE. Manual for the inspection of aircraft wood and glue for the United States Navy, prepared by Forest Products Laboratory, Forest Service, Department of Agriculture. Navy Department, Bureau of Aeronautics, Washington.  
Washington, United States Government Printing Office, 1928, pp. viii, 137, ills.
- UNITED STATES HYDROGRAPHIC OFFICE. See Dreisonstok, Joseph Young: Navigation tables for mariners and aviators. Published by the Hydrographic Office under authority of the Secretary of the Navy.
- UNITED STATES NATIONAL MUSEUM. See Garber, Paul Edward: Handbook of the national aircraft collection exhibited in the United States National Museum under direction of the Smithsonian Institution.
- UPDEGRAFF, R. R. When should a motor leave the ground? interview with A. Macauley.  
Magazine of Business, Vol. 54, (Nov. 1928), Chicago, pp. 499-501.
- UPLAND. See Spitzbergen: Le trimoteur "Upland" au Spitzberg.

USE. Strange uses for the airplane.

Literary Digest, Vol. 96 (Feb. 18, 1928), New York, pp. 56-58.

UTTMARK, F. E. Astronomical observations taken from high altitudes.

Aero Digest, Vol. 12, No. 1 (Jan. 1928), New York, p. 44.

V

VALVES. *See* Basu, Jatindra Nath: Contribution to the design and calculation of fuel cams and fuel valves for Diesel engines.

VAN CROMBRUGGE, R. L'aviation au Congo. Ses débuts. La ligne aérienne Roi Albert.

IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott., 1927, Vol. II, Roma, 1928, pp. 358-376, map.

VAN DEN ABEELLEN, W. P. On 1927.

Aéronautica, Vol. 2, No. 1 (Jan. 1928), Amsterdam, pp. 1-3, port.

VAN DEN BERCH VAN HEEMSTEDÉ. Aperçu sur l'exploitation du trafic aérien.

IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott., 1927, Vol. II, Roma, 1928, pp. 377-378.

VAN DER HEGGE ZYNEN, B. G. Some experiments on the distribution of velocity, pressure and total head in the neighbourhood of an aerofoil for two-dimensional flow.

IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 358-381, ills., diagrs.

VAN DER MAAS, H. J. Expériences sur la stabilité longitudinale des avions.

IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma 1928, pp. 505-506, diagr.

VAN EWYK, L. J. G. *See* Wolff, E. B., and L. J. G. Van Ewijk: Mechanical properties of some materials used in airplane construction.

VAN EWYK, L. J. G. *See* Wolff, E. B., e L. J. G. van Ewyk: Expériences sur les propriétés mécaniques des joints en bois collé et en bois lamine employés dans la construction aérotechnique.

VAN KAMPEN, ISAAC. Lindbergh; a saga of youth.

Boston, The Stratford Company, 1928, pp. 11.

VAUGHAN, GUY W. Wright "Cyclone" engine.

Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 84-85, ill.

VAUGHAN, ROSCOE. Why not a million?

Aeronautic Review, Vol. 6, No. 12 (Dec. 1928), Washington, D. C., pp. 193, 205.

VAUVILLE. *See* Carlier, André: Le vol a voile en France et en Allemagne. Le dernier meeting de Vauville.

— *See* Gruson, F.: Cronique d'aviation. La concours de Vauville. L'accident du Couzinet. La tentative transatlantique Courtney.

VECE, F. Il valore tattico delle formazioni nel bombardamento aereo.

Rivista Aeronautica, Anno 4, N. 4 (Aprile 1928), Roma, pp. 60-74, ills.

VECELLIO, A. *See* Sante da Rios, Luigi, ed A. Vecellio: Sul campo delle pressioni determinato da un 'elica rotante a punto fisso.

VELIE. Velie aircraft engine.

Aero Digest, Vol. 12, No. 5 (May 1928), New York, p. 798, ill.

— The Velie M5 aircraft engine.

Aviation, Vol. 24, No. 19 (May 7, 1928), New York, pp. 1300, 1312-1314, ill.

— The Velie Model L-9.

Aviation, Vol. 25, No. 20 (Nov. 10, 1928), New York, pp. 1487, 1504, 1506, ill.



- VERDURAND, ABEL. L'aviation commerciale que sera son avenir—comment le préparer.  
L'Aérophile, . XIe Salon de l'aéronautique, 29 juin-15 juil. 1928, Paris, pp. 3-4.
- A propos de l'exposition de Berlin. Les coques d'hydravions de gros tonnage.  
L'Aéronautique, 10me année, No. 115 (déc. 1928), Paris, pp. 414-416, ills.
- VERDUZIO, RODOLFO. Teoria e costruzione dei velivoli. Parte I: Teoria del volo.  
Roma, Stabilimento Tipo-litografico del Genio Civile, 1927.
- VERTICALS of a plate pair. See Forucade, H. G.: A new method of aerial surveying: Note on the determination of the verticals of a plate pair.
- VICKERS. Vickers brakes for aeroplanes.  
Aeronautical Engineering suppl. to The Aeroplane, Vol. 35, No. 4 (July 25, 1928), London, p. 216, diagr.
- The Vickers "Vellore."  
Flight, Vol. 20, No. 36 (Sept. 6, 1928), London, pp. 760-764, ill., diagr.
- The Vickers "Vellore" (British). Freight carrier.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 83, Washington, October, 1928, pp. 8, ill.
- VICKERS, OLIVER HENRY DOUGLAS. Obituary. Oliver Henry Douglas Vickers.  
Journ. Roy. Aer. Soc., Vol. 32, No. 211 (July 1928), London, p. 520.
- VICKERS-POTTS. The Vickers-Potts oil cooler.  
Flight, Vol. 20, No. 17 (Apr. 26, 1928), London, pp. 291-292, ill., diagr.
- VICKERS-SUPERMARINE. The Vickers-Supermarine combine.  
The Aeroplane, Vol. 35, No. 23 (Dec. 5, 1928), London, p. 910.
- VICTORY, JOHN F. See National Advisory Committee for Aeronautics: Third annual aircraft engineering research conference under the auspices of National Advisory Committee for Aeronautics, Langley Field, Virginia, May 15, 1928.
- See Tate, William J.: With the Wrights at Kitty Hawk. Anniversary of first flight twenty-five years ago.
- See Wright brothers: Wright Brothers to be honored by NAA.
- VILLIERS. L'avion de chasse de nuit F. Villiers type XXIV, muni de l'aile a fente moteur Lorraine 450cv.  
L'Aérophile, 36e année, Nos. 7-8 (1er-15 avril 1928), Paris, pp. 117-118, ills.
- "Villiers 24" slotted-wing airplane (French). Night pursuit sesquiplane.  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 87, Washington, November, 1928, pp. 9, ill.
- VINCENNES. La lourde erreur de Vincennes.  
L'Aéronautique, 10me année, No. 111 (août 1928), Paris, pp. 265-267, ill.
- VINCI, LEONARDO DA. See Leonardo da Vinci.
- VISANI, GIOVANNI. L'impiego delle osservazioni aerologiche per definire il regime anemologico di una regione.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 382-383.
- VISCOSITY. See Prandtl, L.: Motion of fluids with very little viscosity.
- VITI, A. See Eula, A., e. A. Viti: Il calcolo dell' autonomia degli aeroplani e i recenti voli transoceanici.
- VOISIN, GABRIEL. La naissance de l'aéroplane.  
Paris.

- VOISIN, GABRIEL en CHARLES. *See* Hydravion: De baanbrekers der dynamische luchtvaart. XIII. Gabriel en Charles Voisin.
- VON SCHROETTER, HERMANN. Punti di vista rispetto all' igiene dell' aviatore. IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 680-684, tabl.
- VORTEX sheets. *See* Fage, A., and F. C. Johansen: The structure of vortex sheets.
- VORTEX theory. *See* Kawada, Sandi: On the fundamental principles of the vortex theory of airscrews.
- VORTICES. *See* Terada, Torahiko: Some experiments on periodic columnar forms of vortices caused by convection.
- *See* Walton, E. T. S.: The formation of vortices behind a cylinder moving through a fluid.
- VOSLER, KENNETH D. Methods of standardized all-metal float construction. Aviation, Vol. 24, No. 11 (Mar. 12, 1928), New York, pp. 630-631, 661, ill.
- VOUGHT. Vought Corsair model O2U-2. Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, pp. 926, 928, ill., diagr.
- Vought production. Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 694-698, ill.

## W

- WADA, KOROKU. On frictional resistance of fluid of small viscosity. IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 384-392, ill., tabs.
- WAGNER, HERBERT. Einige Bemerkungen über Knickstäbe und Bierungsträger. Der Kennwert. Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 11 (14. Juni 1928), München und Berlin, pp. 241-247, ill.
- Structures of thin sheet metal; their design and construction. National Advisory Committee for Aeronautics, Technical Memorandums No. 490, December, 1928, Washington, pp. 21, ill.
- Über räumliche Flugzeugfachwerke. Die Längsstabkraftmethode. Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 15 (14. Aug. 1928), München und Berlin, pp. 337-347, ill.
- WAGNER, J. W. *See* Bacon, E. F., and J. W. Wagner: Where perpetual winter reigns.
- WALKER, C. C. The function of the auto slot. Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 246, diagr.
- WALKER, ERNEST E. Aviation. The story of the conquest of the air. Chicago, Aeronautic Education Foundation.
- WALKER, G. H. Aircraft engine testing. Aeronautical Engineering, suppl. to The Aeroplane, Vol. 35, No. 26 (Dec. 26, 1928), London, pp. 1007-1010, ill., diagr. Aircraft Engineer, suppl. to Flight, Vol. 20, No. 52 (Dec. 27, 1928), London, pp. 1086b-1086f, ill.
- WALLACE, T. The Wallace Touroplane. Aviation, Vol. 24, No. 25 (June 18, 1928), New York, pp. 1768, 1788-1790, ill.
- WALSH, J. W. T. Illuminating engineering. Journ. Inst. Elec. Eng., Vol. 65, No. 368 (Aug. 1927), London, pp. 733-751.

- WALTON, E. T. S. The formation of vortices behind a cylinder moving through a fluid.  
The Scientific Proceedings of the Royal Dublin Society, Vol. 18, No. 47 (Jan. 1928), Dublin, pp. 521-
- WALTON, FRANCIS D. Air races and show at Los Angeles.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 720-721, 726, ill.
- The flight of the "Southern Cross" from California to Australia.  
Aero Digest, Vol. 13, No. 1 (July 1928), New York, pp. 36-37, ill., map.
- The L. Z. 127 comes to Lakehurst.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, pp. 894-895, 1022, ill.
- WARE, MARSDEN, and ERNEST E. WILSON. The comparative performance of Roots type aircraft engine superchargers as effected by change in impeller speed and displacement.  
National Advisory Committee for Aeronautics, Report No. 284, May 29, 1928, Washington, Government Printing Office, 1928, pp. 14, ill., diags., tabs.
- WARE, MARSDEN, and OSCAR W. SCHEY. A preliminary investigation of supercharging an air-cooled engine in flight.  
National Advisory Committee for Aeronautics, Report No. 283, April 30, 1928, Washington, Government Printing Office, 1928, pp. 11, ill., tabs., diags.
- WARNER. The Warner air-cooled engine.  
Aero Digest, Vol. 12, No. 4 (April, 1928), New York, p. 608, ill.
- The Warner "Scarab."  
Aviation, Vol. 24, No. 23 (June 4, 1928), New York, pp. 1596, 1630-1631, ill.
- WARNER, EDWARD PEARSON. Airplane design aerodynamics.  
London, McGraw-Hill Publishing Co., Ltd., 1927, pp. 598, ill.
- Aviation in 1927.  
Yale Review ns, Vol. 17 (Jan 1928), New Haven, pp. 247-262.
- The design and supply of naval aircraft.  
Mech. Eng., Vol. 50, No. 8 (Aug. 1928), New York, pp. 611-614.
- Private flying and the flying club.  
Aeronautic Review, Vol. 6, No. 4 (April, 1928), Washington, D.C., pp. 54-56, port.
- What of the airship?  
Review of Reviews, Vol. 78 (Dec. 1928), New York, pp. 614-620, ill.
- WARNER, E. T. Aeronautics; encourage building, flying, and designing of model airplanes.  
Playground, Vol. 21 (Feb. 1928), New York, pp. 571-573.
- WARPING. *See* Lepère, Georges: L'influence de l'allongement de voilure sur les performances des avions.
- WARSAP, J. H. *See* Townsend, H. C. H., and J. H. Warsap: Tests of a metal airscrew in a closed tunnel for comparison with American tests in an open jet tunnel.
- WASHINGTON. *See* Stimson, Thomas D.: Airports in the State of Washington.
- WATER cooling. *See* Rubbra, A. A.: Water-cooling aero engines.
- WATER pressures. *See* Thompson, F. L.: Water-pressure distribution on a seaplane.
- WATSON, HENRY W. Speech in House, Jan. 12, 1928, on postal air service to South America.  
Congressional Record, Vol. 69, No. 23, Washington, [1928], pp. 1448-1449.
- WATER, MICHAEL. Aircraft engineering conference at Langley Field, Va.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 940, 942, ill.



- WATER, MICHAEL. Endurance and distance records of the Savoia-Marchetti S-64.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, pp. 260, 262, ill.
- Slip-stream effect.  
Aero Digest, Vol. 12, No. 2 (Feb. 1928), New York, pp. 175-177, 297-298, diagr.
- The spinning of airplanes.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, pp. 912-916.
- WAVES. See Burgers, J. M.: Note on research work by Helmholtz and Wien relating to the form of waves propagated along the surface of separation of two liquids.
- WEATHER. See Byers, Horace R.: Ground weather signals.
- WEAVER, EDGAR R. Static test of the XHB-3 experimental three-spar mono-plane wing structure built by the Keystone Aircraft Corporation.  
Air Corps Information Circular, Vol. 7, No. 616 (Aug. 15, 1928), Washington, Government Printing Office, 1928, pp. 9, ill.
- Static test of the XHB-3 experimental two-spar wing structure built by the Keystone Aircraft Corporation.  
Air Corps Information circular, Vol. 7, No. 616 (Aug. 15, 1928), Washington, Government Printing Office, 1928, pp. 11, ill.
- WEBSTER, W. W. The Navy PN-12 seaplane.  
Aviation, Vol. 24, No. 20 (May 14, 1928), New York, pp. 1366, 1404, ill.
- Reply to "The battleship bubble."  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 680-686.
- WEEMS, PHILIP VAN HORN. Aerial navigation examples.  
Aero Digest, Vol. 13, No. 4 (Oct. 1928), New York, pp. 670, 852-853, ill.
- Avigation equipment.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, pp. 926-928, ill.
- Line of position book; a short accurate method using Ogura's altitude tables and Rust's modified azimuth diagram.  
Annapolis, Md., U. S. Naval Institute, 1928, pp. 44, tabs., diagrs.
- Position finding by means of star altitude curves.  
Aero Digest, Vol. 13, No. 5 (Nov. 1928), New York, pp. 918, 1026, diagr.
- Star—altitude curves for obtaining a fix, given only the Greenwich siderial time and the observed altitudes of two stars. The use of the dead reckoning position, declination, right ascension, hour angle and azimuth is eliminated. Latitude 30° to 41° north.  
San Diego, Calif., Rodney Stokes Company 1928, pp. 44.
- WEGERDT, ALFRED. Die Gestaltung des internationalen Luftrechts.  
Zeitschr. Flug. Motorluftsch., 19. Jahrg., Heft 19. u. 20 (7. Okt. 1928), München und Berlin, pp. 451-455.
- Luftrecht.  
Berlin, Verlag Gebr. Radetzki, 1927, pp. 252.
- WEICK, FRED E. A comparison of propeller and centrifugal fans for circulating the air in a wind tunnel.  
National Advisory Committee for Aeronautics, Technical Notes No. 281, Washington, March 1928, pp. 7, ill., tabs.
- Drag and cooling with various forms of cowling for a "Whirlwind" engine in a cabin fuselage.  
National Advisory Committee for Aeronautics, Technical Notes No. 301, Washington, November 1928, pp. 25, ill., tabs.; Appendix pp. [2].

- WEICK, FRED E. The drag of a J-5 radial air-cooled engine.  
National Advisory Committee for Aeronautics, Technical Notes No. 292, Washington, July 1928, pp. 4, ill., diagr.
- The effect of the Sperry Messenger fuselage on the air flow at the propeller plane.  
National Advisory Committee for Aeronautics, Technical Notes No. 274, Washington, January 1928, pp. 5, ill., diags.
- Full-scale drag tests on various parts of Sperry Messenger airplane.  
National Advisory Committee for Aeronautics, Technical Notes No. 271, Washington, January 1928, pp. 8, ill., tabl.
- Full scale tests on a thin metal propeller at various tip speeds.  
National Advisory Committee for Aeronautics, Report No. 302, March 22, 1929, Washington, Government Printing Office, 1928, pp. 14 ill., diags., tabs.
- Determination of propeller deflection by means of static load tests on models.  
National Advisory Committee for Aeronautics, Technical Notes No. 275, Washington, January 1928, pp. 7, ill., diags.
- The new N. A. C. A. low drag cowling.  
Aviation, Vol. 25, No. 21 (Nov. 17, 1928), New York, pp. 1556-1557, 1586-1590, ill.
- WEICK, FRED E., and DONALD H. WOOD. The twenty-foot propeller research tunnel of the National Advisory Committee for Aeronautics.  
National Advisory Committee for Aeronautics, Report No. 300, Dec. 27, 1928, Washington, Government Printing Office, 1928, pp. 16, ill.
- WEIDINGER, HANNS. Die Flugmotoren im XI. Pariser Aero-Salon.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 17 (14, Sept., 1928), München und Berlin, pp. 385-396, ill.
- WEIGHT. See Crocco, G. Arturo: Sul peso delle struttura aeronautiche.
- WEISS, PIERRE. La bataille de l'Atlantique.  
Paris, Figuière.
- WELDING. See Dunlap, W. M.: Spot welding of aluminum and its alloys.
- See Miller, W. B.: Welding of high chromium steels.
- See Mock, R. M.: Airplane construction and welding.
- See Rechtlich, A.: Tensile strength of welded steel tubes. First series of experiments.
- See Rechtlich, A., and M. Schrenk: Welding in airplane construction.
- WENK, F. Die Vertikalströmungen der Atmosphäre und der Flug.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 2 (28, Jan., 1928), München und Berlin, pp. 30-32, ill.
- WENZINGER, CARL J., and THOMAS A. HARRIS. Wind-tunnel force tests in wing systems through large angles of attack.  
National Advisory Committee for Aeronautics, Technical Notes No. 294, Washington, August 1928, pp. 7, ill., diags.
- WESCHKE, ALEXANDER. Die Entwicklungsgeschichte des Flugzeugkugellagers.  
Flug-Woche, 10. Jahrg., Heft 4, 1928, Berlin, pp. 132-133, ill.
- WEST, JAMES EDWARD. The lone scout of the sky; the story of Charles A. Lindbergh . . . with special contributions from Dr. John H. Finley, Commander Byrd, Clarence D. Chamberlin, contains complete instructions on how to make a flying model of the Spirit of St. Louis.  
Philadelphia, For Boy Scouts of America by The John C. Winton Co., 1928, pp. 274, ill.
- WESTLAND. The Westland "Wapiti."  
Flight, Vol. 20, No. 25 (June 21, 1928), London, pp. 458-459, ill

- WESTLAND. Westland "Wapiti" (British).  
National Advisory Committee for Aeronautics, Aircraft Circulars No. 81, Washington, September 1928, pp. 12, ill.
- The Westland Westbury.'  
The Aeroplane, Vol. 34, No. 5 (Feb. 1, 1928), London, p. 132, ill.  
Flight, Vol. 20, No. 5 (Feb. 2, 1928), London, pp. 64-65, ill.
- The Westland Widgeon III.  
Aviation, Vol. 24, No. 2 (Jan. 9, 1928), New York, pp. 92-93, ill., diagr.
- The Westland "Wizard."  
Flight, Vol. 20, No. 44 (Nov. 1, 1928), London, pp. 948-950, ill., diagr.
- WEYDERT. Les amortisseurs en caoutchouc armé, système Weydert.  
L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, p. 138, ill.
- WEYERBACHER, R. D. Industry at the joy stick.  
Sat. Even. Post, Vol. 200 (June 16, 1928), Philadelphia, pp. 18-19, ill.
- Military aircraft, 1928 model.  
Sat. Even. Post, Vol. 201 (Nov. 17, 1928), Philadelphia, pp. 6-7, ill.
- Trunk liners of the air.  
Sat. Even. Post, Vol. 201 (Aug. 18, 1928), Philadelphia pp. 14-15, ill.
- WEYL, ALFRED RICHARD. Technische Grundlagen des Transozeanfluges.  
Zeitschr. Flugt, Motorluftsch., 19. Jahrg., Heft 1 (14, Jan., 1928), München und Berlin, pp. 4-9.
- WHEEL brakes. See Doty, G. H.: Wheel brakes and their application to aircraft.
- WHEELS. See Hardy, Russell F.: Static test on the Matériel Division 32 by 6 disk wheel.
- WHIPPOORWILL. "Whippoorwill" cabin plane.  
Aero Digest, Vol. 12, No. 6 (June 1928), New York, p. 976, ill.
- WHIRLING theory. See Alexandroff, V. L.: La théorie tourbillonnaire du Professeur N. Joukovsky et le calcul des hélices propulsives aériennes.
- WHIRLWIND engines. Wright Whirlwind engine operation.  
Journ. Soc. Automotive Engineers, Vol. 22, No. 2 (Feb. 1928), New York, pp. 421-423.
- See Faurote, F. L.: Wright "Whirlwind" a high achievement in engineering.
- See Roughley, H. W.: Inspection methods for Whirlwind engines.
- See Weick, Fred E.: Drag and cooling with various forms of cowling for a "Whirlwind" engine in a cabin fuselage.
- WHITE SPIRIT. See Dumanois, P.: Aviation fuels. (With especial reference to "White Spirit.")
- WHO'S WHO. Who's Who in aviation . . . 1928.  
London, Airways Publications Ltd., 1928.
- WIEDERMANN effect. On the inverse Wiedermann effect and its allied phenomena.  
Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 40 (Vol. 3, 10), (Sept. 1928), Tokyo, pp. 405-460, ills., diagrs., tabs.
- WIELAND, K. Experiments with a wing from which the boundary layer is removed by pressure or suction.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 472, July 1928, Washington, pp. 14, ill., diagrs.  
From Zeitschrift für Flugtechnik und Motorluftschiffahrt, August 16, 1927.



- WIEN, W. *See* Burgers, J. M.: Note on research work by Helmholtz and Wien relating to the form of waves propagated along the surface of separation of two liquids.
- WIESELSBERGER, C., und T. ASANO. Bestimmung der durch die Querruder eines Tragflügels erzeugten Luftkräfte und Momente.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 13 (14, Juli 1928), München und Berlin, pp. 289-293, diags.
- WIESELSBERGER, C., and T. ASANO. Determination of the air forces and moments produced by the ailerons of an airplane.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 488, November 1928, Washington, pp. 15, ill., diags.  
From Zeitschrift für Flugtechnik und Motorluftschiffahrt, July 14, 1928.
- WIESELSBERGER, C. On improvement of air flow in wind tunnels.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 470, July 1928, Washington, pp. 9, ill.  
From Journal of the Society of Mechanical Engineers (of Japan) Volume XXVIII, No. 98, June 1925.
- Theoretische Untersuchungen über die Querruderwirkung beim Tragflügel.  
Report of the Aeronautical Research Institute, Tokyo Imperial University, No. 30 (Vol. 2, 16), (Dec. 1927), Tokyo, pp. 421-446.
- WIGAND, ALBERT. Untersuchungen über die elektrische Selbstaufladung von Verbrennungsmotoren und Messungen des luftelektrischen Potentialgefälles vom Luftschiff aus.  
Zeitschr. Flugt. Motorluftsch., 19. Jahrg., Heft 4 (28, Feb. 1928), München und Berlin, pp. 77-86.
- WIJN, J. W. Aerial photography at the Ila.  
Aëronautica, Vol. 2, No. 11 (Nov. 1928), Amsterdam, pp. 229-233, ills.
- WILBUR WRIGHT memorial lecture. *See* Page, Frederick Handley: 16th Wilbur Wright memorial lecture.
- WILD, A. R. The aviation industry in the west.  
Aviation, Vol. 25, No. 10 (Sept. 1, 1928), New York, pp. 701, 740, 744, 746, ill.
- WILEY, H. V. Better navigation.  
Aviation, Vol. 24, No. 2 (Jan. 9, 1928), New York, pp. 96-97.
- WILKINS. Le raid polaire de Wilkins.  
L'Aérophile, 36e année, Nos. 9-10 (1er-15 mai 1928), Paris, pp. 148-149, port. ill.
- WILKINS, GEORGE HUBERT. Arctic flights.  
Journ. Roy. Aer. Soc., Vol. 32, No. 214 (Oct. 1928), London, pp. 885-900.
- Flying the Arctic.  
New York, Putnams, 1928, pp. xv 336, ill.
- Honouring Sir G. Hubert Wilkins.  
Flight, Vol. 20, No. 25 (June 21, 1928), London, p. 473.
- WILKINSON, G. S. Schneider trophy engine design.  
Journ. Roy. Aer. Soc., Vol. 32, No. 213 (Sept. 1928), London, pp. 768-776.
- *See* Mitchell, R. J., P. A. Ralli, and G. S. Wilkinson: Quelques détails complémentaires sur les hydravions anglais de la coupe Schneider 1927; les moteurs par G. S. Wilkinson.
- WILLIAMS. Williams monoplane.  
Aero Digest, Vol. 12, No. 4 (April, 1928), New York, p. 598 ill., diagr.  
Aviation, Vol. 24, No. 14 (Apr. 2, 1928), New York, pp. 836, 854-855, ill., diagr.  
Flight, Vol. 20, No. 50 (Dec. 13, 1928), London, pp. 1050-1051, ill.

- WILLIAMS, ALFORD. Inverted flight.  
Aero Digest, Vol. 13, Nos. 3-5 (Sept.-Nov. 1928), New York, pp. 423, 630-632; 671-673, 851; 904-908, diagr.
- WILLIAMS, ARCHIBALD. Conquering the air, the romance of the development and use of aircraft.  
New York, Thos. Nelson & Sons, 1928, pp. xiv+343, ill. Also another edition of xiv and 362 pages.
- WILLIAMS, A. J. Heights of danger.  
Collier's, Vol. 81 (Mar. 31, 1928), New York, p. 22, ill.
- WILLIAMS, D. H. See Batson, A. S., D. H. Williams, and A. S. Halliday: Part I. Rolling and yawing moments due to rolling and to ailerons, by A. S. Batson; with an appendix on lift and drag measurements by D. H. Williams and A. S. Halliday.
- See Irving, H. B., A. S. Batson and D. H. Williams: Model experiments on R. A. F. 31 aerofoil with Handley Page slot.
- WILLIAMS, ROGER Q. Report of Chamberlain-Williams third attempt at endurance record, January 16, 1928.  
Aeronautic Review, Vol. 6, No. 5 (May, 1928), Washington, D. C., pp. 69, 75.
- WILLS, F. L. See Winchester, Clarence and F. L. Wills: Aerial photography: A comprehensive survey of its practice and development.
- WILSON, ERNEST E. See Ware, Marsden, and Ernest E. Wilson: The comparative performance of Roots type aircraft engine superchargers as effected by change in impeller speed and displacement.
- See Schey, Oscar W., and Ernest E. Wilson: An investigation of the use of discharge valves and an intake control for improving the performance of N. A. C. A. Roots type supercharger.
- WIMPERIS, H. E. The experimental determination of the trajectory of aircraft bombs.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 879-903, ill., diagrs., tabs.
- The progress of aeronautical research in Great Britain.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. IV, Roma 1928, pp. 393-401.
- The rotating wing in aircraft.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. 2, London, 1928, pp. 551-557, ill.
- WINCHESTER, CLARENCE, and F. L. WILLS. Aerial photography: A comprehensive survey of its practice and development.  
London, Chapman & Hall, 1928, pp. xv+236, ill.
- WIND channel. See Wind tunnels.
- WIND tunnels. Il tunnel aerodinamico ed il suo contributo all'aviazione.  
Rivista Aeronautica, Anno. 4, N. 4 (Aprile 1928), Roma, pp. 150-157, ill.
- Variable-density wind tunnel. Report of the scale effect panel.  
Aeronautics, Tech. Rep. Aer. Res. Comm. 1927-28, London, 1928, pp. 151-154, ill.
- See Glauert, H., C. N. H. Lock: On the advantages of an open-jet type of wind tunnel for airscrew tests.
- See Goeta, Giuseppe: Progetto di massima di un laboratorio per lo sviluppo scientifico della Termo-Aerodinamica.
- See Hartshorn, A. S.: Wind-tunnel tests on aerofoil R. A. F. 34 at negative incidences.

- WIND tunnels. See Herrera, Emilio: Un grave inconveniente dei *tunnels* aerodinamici aperti.
- See Higgins, George J., W. S. Diehl, and George L. DeFoe: Tests on models of three British airplanes in the variable-density wind tunnel.
- See Kromer, Hugo H.: Die Windkanal-Anlage des Kyffhäuser-Technikums.
- See Langley Memorial Laboratory: Essais au tunnel et vraie grandeur.
- See Pierson, R. K.: The use of the wind channel for performance prediction.
- See Sasaki-Tatudiro: Hûtô no Kabe ga Mokei no Yôryoku-keisô ni oyobosu Eikyô ni tuite. (On the effect of the wall of a wind tunnel upon the lift coefficient of a model.)
- See Sasaki, Tatudirô: On the flow past a Joukowsky's aerofoil in a wind tunnel.
- See Simmons, L. F. G., and L. J. Jones: The one-foot wind tunnel at the National Physical Laboratory; including particulars of calibration made with a pitot tube and vane anemometer at low speeds.
- See Stanton, T. E.: A high-speed wind channel for tests on aerofoils.
- See Terazawa, Kwan-ichi: On the interference of wind-tunnel walls of rectangular cross-section on the aerodynamical characteristics of a wing.
- See Townsend, H. C. H.: Lift and drag of three model aeroplanes. Comparative tests in atmospheric and variable density wind tunnels at the same Reynolds number.
- See Weick, Fred E.: A comparison of propeller and centrifugal fans for circulating the air in a wind tunnel.
- See Wenzinger, Carl J., and Thomas A. Harris: Wind-tunnel force tests in wing systems through large angles of attack.
- See Wieselsberger, C.: On improvement of air flow in wind tunnels.
- See Zahm, Albert Francis: An automatic speed control for wind tunnels.
- WINDMILLS. See Windmills in the light of modern research.
- WINDS. See Terada, Torahiko, Mituo Tamano, and Kôki Nisida: On gustiness of winds.
- WINES, JAMES P. Naval Reserve aviation.  
Aviation, Vol. 24, No. 23 (June 4, 1928), New York, pp. 1594-1595, 1632-1636, ill.
- WINGFIELD, LAWRENCE ARTHUR, and REGINALD BRABANT SPARKES. The law in relation to aircraft. With forward by Air Vice-Marshal Sir Sefton Brancher.  
London, New York, Toronto, Longmans, Green and Co., 1928, pp. vii, 304.
- WINGS. L'aile à fente et la sécurité de l'avion.  
L'Aéronautique, 10me année, No. 107 (avril 1928), Paris, pp. 117-120, ills.
- Consolidated PT-3 airplane wing cellule in high and low incidence.  
Air Corps Information Circular, Vol. 7, No. 626 (Nov. 24, 1928), Washington, United States Government Printing Office, 1929, pp. 13, ill.
- Playing with the airstream.  
Scient. Amer., Vol. 138 (Feb. 1928), New York, p. 160, diagr.
- See Accelerograph: Mesure en vol des déformations des avions.



WINGS. *See* Airfoils.

- *See* Arsандаux, L.: Étude, calcul et détermination de certaines formes d'ailes à profil évolutif le long de l'envergure.
- *See* Barnwell, F. S.: A note on lateral control with a cantilever monoplane wing.
- *See* Borden, D. M.: Wind tunnel test of 1/24 scale model of the Douglas O-2E-1 airplane wing cellule through 360 degrees.
- *See* Bradfield, F. B.: Wind-tunnel tests on a wing covered with monel-metal gauze.
- *See* Fowler, Harland D.: The Fowler variable-area wing.
- *See* Girault, M.: Construction géométrique de profils d'ailes par représentation conforme d'un cercle.
- *See* Knight, Montgomery, and Oscar Loeser, jr.: Pressure distribution over a rectangular monoplane wing model up to 90° angle of attack.
- *See* Moth: Nouvelle application de l'aile à fente.
- *See* Newell, J. S.: The design of airplane wing beams.
- *See* Page, Frederick Handley: 16th Wilbur Wright memorial lecture.
- *See* Page, Frederick Handley: Slotted wings and the automatic slot.
- *See* Pegna e Gabrielli: Esperienze sul contributo della copertura sulla rigidità a torsione delle ali.
- *See* Puvrez, Paul: Contribution au problème du choix des ailes.
- *See* Rhode, R. V.: Pressure distribution on wing ribs of the VE-7 and TS airplanes in flight. Part II: Pull-ups.
- *See* Roy, Maurice: Sur l'aérodynamique des ailes sustentatrices et des hélices.
- *See* Slotted wings.
- *See* Terazawa, Kwan-ichi: On the interference of wind-tunnel walls of rectangular cross-section on the aerodynamical characteristics of a wing.
- *See* Toussaint, A., and E. Carafoli: Choice of profile for the wings of an airplane.
- *See* Toussaint, A., et E. Carafoli: Le choix du profil des ailes sustentatrices.
- *See* Weaver, Edgar R.: Static test of the XHB-3 experimental three-spar monoplane wing structure built by the Keystone Aircraft Corporation.
- *See* Weaver, Edgar R.: Static test of the XHB-3 experimental two-spar wing structure built by the Keystone Aircraft Corporation.
- *See* Wenzinger, Carl J., and Thomas A. Harris: Wind tunnel force tests in wing systems through large angles of attack.
- *See* Wieland, K.: Experiments with a wing from which the boundary layer is removed by pressure or suction.
- *See* Younger, J. E.: Wing flutter investigation on Brady's wind-tunnel model.
- *See* Zahm, Albert Francis, and R. M. Bear: A study of wing flutter.

- WIRES. *See* DeFoe, George L.: Resistance of streamline wires.
- WIRTH, HANS. *See* Records: Record de distance en avion léger.
- WISSENSCHAFTLICHEN GESELLSCHAFT FÜR LUFTFAHRT. Bücherverzeichnis der Zentralbibliothek der deutschen Luftfahrt beider WGL.  
München und Berlin, Nach dem Stande vom Mai 1928, Selbsverlag, pp. 335.
- Grosser Luftverkehrs-Atlas von Europe, bearbeitet und herausgegeben unter Mitwirkung der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL), Berlin, und unter Benutzung des Materials der Deutschen Luft-Hansa A. G.  
Berlin vom verlag für Börsen-und Finanzliteratur A.-G. Jahrg. 1928.
- Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927.  
München und Berlin, Verlag von R. Oldenbourg, 1928, pp. 188, ills., diagrs., tabs.
- Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1928.  
München und Berlin, Verlag von R. Oldenbourg, pp. 175.
- *See* Beck, Waldemar: Kurzer Bericht. Über den Verlauf der XVII. Ordentlichen Mitgliederversammlung der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) vom 2.-5. Juni 1928 Danzig.
- *See* Krupp, G.: Die Sonderschau der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) auf der Ila 1928, Halle II, Galerie.
- WITTEKIND, FRITZ. Betrachtungen zur XI. Pariser Luftfahrzeug-Ausstellung. Flugwoche, 10. Jahrg., Heft 7, 1928, Berlin, pp. 174-177, ills.
- WOLFF, E. B., e L. J. G. VAN EWYK. Expériences sur les propriétés mécaniques des joints en bois collé et en bois laminé employés dans la construction aérotechnique.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott., 1927, Vol. III, Roma 1928, pp. 514-534, ills., diagrs., tabs.
- WOLFF, E. B., and L. J. G. VAN EWYK. Mechanical properties of some materials used in airplane construction.  
National Advisory Committee for Aeronautics, Technical Memorandums No. 448, January 1928, Washington, pp. 17, tabs.  
From Report M 219 of the "Rijks-Studiedienst voor de Luchtvaart," Amsterdam. Reprint from "De Ingenieur," of August 7, 1926.
- WOLFF, E. B. Quelques remarques sur les propriétés des matériaux de construction comme base du calcul des avions.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott., 1927, Vol. III, Roma 1928, pp. 507-513.
- WOOD. *See* Miller, Edward M.: Airplane spruce.
- *See* Trayer, G. W.: Bearing strength of wood under steel aircraft bolts and washers and other factors influencing fitting design.
- *See* United States Forest Service; Manual for the inspection of aircraft wood and glue for the United States Navy, prepared by Forest Products Laboratory, Forest Service, Department of Agriculture.
- *See* Wolff, E. B., e L. J. G. van Ewyk: Expériences sur les propriétés mécaniques des joints en bois collé et en bois lamine employés dans la construction aérotechnique.
- WOOD, DONALD H. Drag of exposed fittings and surface irregularities on airplane fuselages.  
National Advisory Committee for Aeronautics, Technical Notes No. 280, Washington, March 1928, pp. 10, ill., tables.

- WOOD, DONALD H. *See* Weick, Fred E., and Donald H. Wood: The twenty-foot propeller research tunnel of the National Advisory Committee for Aeronautics.
- WOOD, R. MCKINNON. On the influence of supercharging on the performance of aeroplanes.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1927-28, Vol. I, London, 1928, pp. 403-416, diags.
- WOODWARD NUTT, A. E., R. G. HARRIS, and L. E. CAYGILL. Full scale and model measurements of lift and drag of Bristol fighter with R. A. F. 30 wings. Part I.—Full scale. Part II.—Model experiments. Part III.—Comparison of model and full scale results.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 396-401, ill., diags., tabs.
- WOODWARD, NUTT, A. E. The change in airscrew characteristics with height.  
Aeronautical Research Committee, Reports and Memoranda No. 1178 (Ac. 342.), Aug. 1928, London, 1928, pp. 10, diags.
- The inclusion of partial glides in routine performance tests.  
Aeronautical Research Committee, Reports and Memoranda No. 1180 (Ac. 344.), May 1928, London, 1929, pp. 3, diags.
- *See* Caygill, L. E., and A. E. Woodward Nutt: Wind-tunnel and dropping tests of autogyro models.
- *See* Stevens, H. L., and A. E. Woodward Nutt: Notes on performance testing.
- WOOLLEY, JAMES G. Operation of Western Air Express.  
Aviation, Vol. 25, No. 21 (Nov. 17, 1928), New York, pp. 1560-1561, 1580-1584, ill.
- Wings of progress.  
Overland Monthly ns., Vol. 86 (Sept. 1928), San Francisco, p. 332.
- WOOLSON, L. M. Can we afford to abandon airplane racing?  
Aero Digest, Vol. 12, No. 3 (Mar. 1928), New York, pp. 337-338, 475, ill., chart.
- WOOTEN, RALPH H. Crated or loose? Some detailed information about the proposed change in Item No. 5, page 55, Consolidated Freight Classification No. 5.  
Aviation, Vol. 24, No. 8 (Feb. 20, 1928), New York, pp. 438-439, ill.
- World flights. Collyer and Mears set record in circling globe.  
Aviation, Vol. 25, No. 5 (July 28, 1928), New York, p. 332, ill.
- The French world flight.  
Flight, Vol. 20, No. 16 (Apr. 19, 1928), London, pp. 262-264, ill., map.
- Half around the world in sixteen days.  
Pop. Mech., Vol. 50 (Aug. 1928), Chicago, pp. 210-214, ill., map.
- On the greatest world flight.  
The Aeroplane, Vol. 34, No. 16 (Apr. 18, 1928), London, p. 550, ill.  
Capt. Costes and Lieut de Vaisseau le Brix.
- A Spanish round the world flight. Commandante Franco's new venture.  
Flight, Vol. 20, No. 31 (Aug. 2, 1928), London, p. 669.
- *See* Taczanowski, Czeslas de: Le tour du monde sans escale.
- WORLD WAR. *See* Patrick, Mason Mathews: The United States in the air.
- WORTHINGTON, ROBERT. *See* McKay, Robert J., and Robert Worthington: Use of monel metal and nickel in aircraft.
- WRIGHT. The Wright "Cyclone" engine.  
Aviation, Vol. 24, No. 26 (June 25, 1928), New York, pp. 1838-1839, 1863, ill.



- WRIGHT. The Wright "J-6" series.  
Aviation, Vol. 25, No. 25 (Dec. 15, 1928), New York, pp. 1984-1985, 2012-2016, ill.
- Wright plane in the wrong place?  
Literary Digest, Vol. 96 (Feb. 25, 1928), New York, p. 14.
- WRIGHT brothers. The first flight—twenty-five years ago. Remarkable progress in aviation in intervening quarter century.  
Aeronautic Review, Vol. 6, No. 8 (Aug. 1928), Washington, D. C., pp. 116-119, ill.
- The original Wright biplane of 1903.  
Nature, Vol. 121, No. 3044 (March 3, 1928), London, pp. 331-332.
- The Wright Brothers' and Langley's aeroplanes.  
Nature, Vol. 122, No. 3085 (Dec. 15, 1928), London, p. 930.
- Wright Brothers to be honored by NAA.  
Aeronautic Review, Vol. 6, No. 11 (Nov. 1928), Washington, D. C., p. 173, ill.
- See Abbot, Charles Greeley: The relations between the Smithsonian Institution and the Wright brothers.
- See Charnley, Mitchell V.: The boy's life of the Wright Brothers.
- See Grey, Charles Grey: The original Wright biplane.
- See Hegener, Henri: Belangrijke data uit het leven der Gebroeders Wright.
- See Hegener, Henri: Hoe het Amerikaansche leger aan zijn eerste vliegtuig kwam.
- See Kitty Hawk, N. C.: Brochure of the twenty-fifth anniversary celebration of the first successful airplane flight 1903-1928.
- See Martin, Hans: Herinneringen aan de Gebroeders Wright.
- See Neville, Leslie E.: The original Wright biplane.
- See Shepherd, W. G.: Bring home the Wright plane.
- See Tate, William J.: With the Wrights at Kitty Hawk.
- WRIGHT, M. Rocking again the cradle of flight.  
Scient. Amer., Vol. 139 (Sept. 1928), New York, pp. 231-233, ill.
- WRIGHT, ORVILLE. See Abbott, Charles Greeley: [Langley-Wright].
- See Charnley, Mitchell V.: The boy's life of the Wright Brothers.
- See Smithsonian Institution: Smithsonian Institution Secretary makes an offer to Orville Wright.
- See United States Congress: Distinguished flying cross to Orville Wright.
- WRIGHT, S. J. The torsion of circular and elliptical cylinders of homogeneous anisotropic materials.  
Aeronautics. Techn. Rep. Aer. Res. Comm. 1926-27, London, 1928, pp. 834-838.
- WRIGHT, WILBUR. Wilbur Wright anniversary banquet.  
Flight, Vol. 20, No. 51 (Dec. 20, 1928), London, pp. 1064-1067, ill.
- See Charnley, Mitchell V.: The boy's life of the Wright Brothers.
- WRIGHT biplane. The original Wright biplane.  
Journ. Roy. Aer. Soc., Vol. 32, No. 208 (April 1928), London, pp. 241-243.
- WRONSKY, MARTIN. Deutscher Luftverkehr.  
Jahrbuch der Wissenschaftlichen Gesellschaft für Luftfahrt E. V. (WGL) 1927, München und Berlin, Verlag von R. Oldenbourg, pp. 47-64, ill.

## X

- XHB-3. *See* Weaver, Edgar R.: Static test of the XHB-3 experimental three-spar monoplane wing structure built by the Keystone Aircraft Corporation.
- *See* Weaver, Edgar R.: Static test of the XHB-3 experimental two-spar wing structure built by the Keystone Aircraft Corporation.
- XPT-3. *See* Port, Theo de: Study of horizontal tail surfaces of consolidated XPT-3 (NY-1).

## Y

- “Y” alloy. *See* Archbutt, S. L., and J. D. Grogan: Report on the accelerated ageing of “Y” alloy.
- YEATMAN, H. M. The Cierva autogiro.  
Aero Digest, Vol. 12, No. 4 (April, 1928), New York, pp. 580-582, ill.
- YORK, BROWER V. Airlines outside of the United States.  
Aviation, Vol. 25, No. 14 (Sept. 29, 1928), New York, pp. 1014-1015, 1042-1046, ill., map.
- Sell the foreign markets.  
Aviation, Vol. 24, No. 16 (April 16, 1928), New York, pp. 977, 1020-1022.
- YOSIDA, YAHEI. *See* Obata, Jūichi, and Yahei Yosida: An electrical indicator for high-speed internal combustion engines.
- *See* Obata, Jūichi, Yukio Munetomo and Yahei Yosida: Directional observations of the radio-atmospheric disturbances.
- YOUNG, CLARENCE M. Uniform State regulation needed.  
Aero Digest, Vol. 12, No. 6 (June, 1928), New York, pp. 929, 1048.
- YOUNG, D. C. Aerial highways and their marking.  
American City, Vol. 39 (Nov. 1928), New York, pp. 127-129, ill.
- YOUNG, GERALD P. Airplane dopes and their application.  
Aviation, Vol. 24, No. 17 (Apr. 23, 1928), New York, pp. 1149, 1156-1157, ill.
- YOUNGER, J. E. Preliminary study of fatigue failures of metal propellers caused by engine impulses and vibrations.  
Air Corps Information Circular, Vol. 7, No. 618 (Aug. 15, 1928), Washington, Government Printing Office, 1928, pp. 17, ill., diagrs., tabs.
- Wing flutter investigation on Brady's wind-tunnel model.  
Air Corps Information Circular, Vol. 7, No. 608 (Feb. 1, 1928), Washington, Government Printing Office, 1928, pp. 3, ill.

## Z

- ZAHM, ALBERT FRANCIS. An automatic speed control for wind tunnels.  
National Advisory Committee for Aeronautics, Technical Notes No. 278, Washington, February, 1928, pp. 15, ill., tabs.
- ZAHM, ALBERT FRANCIS, R. H. SMITH, and F. A. LOUDEN. Drag of C-class airship hulls of various fineness ratios.  
National Advisory Committee for Aeronautics, Report No. 291, Nov. 14, 1928, Washington, Government Printing Office, 1928, pp. 16, ill., diagrs., tabs.
- Forces on elliptic cylinders in uniform air stream.  
National Advisory Committee for Aeronautics, Report No. 289, Sept. 4, 1928, Washington, Government Printing Office, 1928, pp. 18, ill., tabs., diagrs.
- ZAHM, ALBERT FRANCIS, and R. M. BEAR. A study of wing flutter; in three parts: Part I, Vibration of MO-1 tail plane and other airfoils, by R. M. Bear. Part II, Theory of oscillations of an airfoil in pitch and roll, by A. F. Zahm. Part III, Design of spars for equal flexure, by R. M. Bear.  
National Advisory Committee for Aeronautics, Report No. 285, July 20, 1928, Washington Government Printing Office, 1928, pp. 28, ill., diagrs., tabs.

- ZAHM, ALBERT FRANCIS. Theories of flow similitude.  
National Advisory Committee for Aeronautics, Report No. 287, Oct. 23, 1928, Washington,  
Government Printing Office, 1928, pp. 10, diagrs., tabs.
- ZAMBÈSE. *See* Dagnaux, J.: Une expérience d'hydroglisseur sur le Zambèse.
- ZENITH. Zenith Albatross.  
Aero Digest, Vol. 13, No. 2 (Aug. 1928), New York, p. 258, diagr.
- Zenith-Flugzeug-Vergaser.  
Flug-Woche, 10. Jahrg., Heft 9, 1928, Berlin, pp. 274-275, ills.
- *See* Lamé, M.: Inauguration des nouveaux laboratoires Zénith.
- ZEPPELIN. Graaf von Zeppelin's pioniersarbeid.  
Het Vliegvel, 12de Jaarg., No. 12 (Dec. 1928), Amsterdam, pp. 357-358.
- ZEPPELIN, FERDINAND VON. *See* Scherz, Walter: Des Grafen Vermächtnis.  
Zum 90. Geburtstag des Grafen Zeppelin. 8. Juli 1928.
- ZEPPELINS. *See* Graf Zeppelin.
- *See* Kredel, Ernst: Zeppelin.
- *See* Lehmann, Ernst A., and Howard Mingos: The Zeppelins.
- *See* Mingos, H.: Story of the Zeppelins.
- *See* R. V.: Le nouveau dirigeable rigide "Comte-Zeppelin."
- *See* Scherz, Walter: Einige Zahlenangaben aus der Entwicklungsgeschichte des Zeppelin-Luftschiffes.
- *See* Scherz, Walter: Das Luftschiff "Graf Zeppelin."
- ZONTA, P. Sulla tecnica degli impianti-radio di bordo.  
IV Congresso Internazionale di Navigazione Aerea, Roma, 24-30 Ott. 1927, Vol. III, Roma  
1928, pp. 535-548, ill.
- ZODIAC. Le nouveau dirigeable Zodiac.  
L'Aéronautique, 10me année, No. 115 (déc. 1928), Paris, p. 434, ills.

