RESEARCH MEMORANDUM

BIBLIOGRAPHY OF UNCLASSIFIED AIRCRAFT-FIRE LITERATURE

By Solomon Weiss and Gerard J. Pesman

Lewis Flight Propulsion Laboratory
Cleveland, Ohio

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NATIONAL ADVISORY COMMITTEE
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INTRODUCTION

Although many reports and articles concerning the aircraft-fire problem have been written, this information is widely dispersed throughout the literature and no bibliography that specifically applies to aircraft fires has been available. A bibliography of unclassified aircraft-fire literature has therefore been prepared at the NACA Lewis laboratory. The bibliography includes reports and articles that have been published within an approximate 20-year period ending January 1, 1949.

Requests for reports and articles listed in this bibliography should be directed to the originating organization; no assurance can be given that all the listed documents will be available. The NACA can provide only NACA publications. Reports prepared by private industry for governmental agencies should be requested from the sponsoring agency.

In the preparation of the bibliography, various technical indexes, bibliographies, catalogs, and the NACA library files were used. The following indexes, bibliographies, and catalogs were consulted:

1. The Engineering Index, New York
2. The Industrial Arts Index, New York
5. Works Progress Administration Bibliography of Aeronautics (Compiled from I.A.S. Index of Aeronautics)
6. Air Materiel Command Catalog of Aeronautical and Allied Technical Documents, Dayton, Ohio

8. U.S. Air Force Technical Data Digest, Dayton, Ohio

9. Index Aeronauticus, British M.O.S.

10. Air Materiel Command Desk Catalog of German and Japanese Air-Technical Documents, Dayton, Ohio

In addition, the inclusion of material submitted upon request from many industrial and research agencies in the field of aviation enhances the value of the bibliography.

An outline of the subjects by which the publications are listed is presented. The publications are alphabetically arranged by author under these headings. Some publications are listed under several applicable headings. Documents that deal primarily with one topic, however, are listed only under that particular subject. An author index is also presented at the end of the bibliography.
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Anon.: Fire in the Air. The Engineer, vol. CLXVIII, no. 4358, July 21, 1939, pp. 73-74.


Anon.: Fires in the Air; Air Carrier, Domestic and Foreign - Scheduled & Non-Scheduled, Jan. 1, 1938-Dec. 31, 1946. CAB.

Anon.: Non-Air-Carrier Accidents, Fires in the Air, Jan. 1, 1938-Dec. 31, 1945. CAB.

Anon.: Non-Air Carrier Fire Accidents, Calendar Year 1947. CAB.


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Anon.: A Statistical Analysis of Non-Air Carrier Aircraft Accidents, Calendar Year 1943. Safety Bur., CAB, July 10, 1944.


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Lewis, Merna R.: A Statistical Analysis of Non-Air-Carrier Aircraft Accidents, Calendar Year 1944. Safety Bur., CAB.

McLaren, Robert: An Engineering Omission That Cost $16,000,000 and 52 Lives. Auto. Ind., vol. 98, no. 6, April 1, 1948, pp. 37, 68, 70.


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Anon.: New Gasoline Aid to Safety in Dirigibles and Airplanes. The Oil and Gas Jour., vol. 50, no. 51, May 5, 1932, p. 22.


Willson, C. O.: Technologists' and Marketers' Reaction to Solid Gasoline Largely Negative. The Oil and Gas Jour., vol. 34, no. 15, Aug. 29, 1935, p. 27.

Low Volatility Fuel


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Anon.: Transportation of Explosives and Other Dangerous Articles. CAR Amendment 49-0, CAB, July 1, 1945.


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Anon.: Summary of Comments and Suggestions Concerning Future Course of Civil Aeronautics Administration Fire Test Program. Aero. Chamber Commerce America (Washington, D.C.), Nov. 5, 1941.


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FIRE PREVENTION (Cont'd)


Inerting


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(Aluminum Nut Fire Test.)


Anon.: Inconel and 18-8 Stainless Steel Airplane Firewall Burning through Tests for Aircraft Airworthiness Section Civil Aeronautics Authority. Rep. from Development and Res. Div., The International Nickel Co., Inc.


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