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THE BEN O. HOWARD COLLECTION

RECEIPT for the gift received of Mrs. Ben O. Howard:

ARTICLES:

THE ATTAINMENT OF GREATER SAFETY, by Ben O. Howard. Prepared for presentation at the Twenty First Annual Meeting of the Institute of Aeronautical Sciences on January 29, 1953 in New York. 23 pages.

(AVSR-584)

An Analysis of FLYING SAFETY, by Ben O. Howard. 14 pages.

PHOTOGRAPH:

One photograph of Mr. Ben O. Howard boarding Air France.

FILE PHOTO
(B-1571 60)

Gene M. Gressley
Director

GMG/pak



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THE BEN O. HOWARD COLLECTION

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ARTICLES:

"The Attainment of Greater Safety", prepared for presentation at the Twenty First Annual Meeting of the Institute of Aeronautical Sciences on January 29, 1953, in New York. 4 copies.

"Certification History of DC-4 and DC-6", dated June 18, 1948. 3 pages.

"Comparative Dependability of Short-Range and Long-Range Aircraft in Short-Range Operation", by C. G. Wolcott. 10 pages.

copy
"Discussion of Flight Engineer Requirements Presented to the Civil Aeronautics Board by Ben O. Howard, August 12, 1948". 24 pages, 2 copies.

"Flight Engineer Errors, A Summary of Twenty-two Army Air Force B-29 Accidents", Appendix I. 12 pages.

"Flight Procedures in Areas of Severe Turbulence", published by Douglas Aircraft Division. 6 pages, xerox copy.

"The 'J C Maneuver'", published by Convair, General Offices, San Diego, California. 5 pages, 5 copies.

"Using Sound to Measure Wind Speed and Temperature". 2 pages, xerox copy.

"Weekly Summary of Navy Major Accidents", Navy Department, Office of the Chief of Naval Operations, Washington. No. 5-49, Fifth Week 1949--Ending February 5, 1949. 1 page.

BOOKLETS:

- "Air Safety Forum", 1960. Reports presented at the Eighth Annual Air Safety Forum of the Air Line Pilots Association, held in Chicago, Illinois, September 13-15, 1960.
- "Safety and Accident Message", ARDC Flight Safety Study Board, Hq Air Research and Development Command, United States Air Force, Baltimore, Maryland, June 1953.
- "U.S. Army Aircraft, 1908-1946", by James C. Fahey, published by Ships and Aircraft, New York, New York, 1946. 64 pages.

CHARTS:

- "Anticipated Flow of Information to and From Proposed Organization".
- "U.S. Domestic Airline Traffic Forecasts, Compared with Actual Traffic Results".
- "Visibility and Ceiling Charts", Douglas Aircraft Company, Inc. 6 charts, plus 2 pages of explanation (2 copies).

Box #1
 Untitled charts--4

CORRESPONDENCE: LETTERS

To:	From:	Date
Mr. B. O. Howard	J. W. Clyne	January 13, 1945
Honorable James Forrestal (carbon copy)	Donald W. Douglas	August 17, 1948
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Lt. Gen. Donald L. Putt 2 copies	Ben O. Howard	February 25, 1955
Mr. Ben O. Howard	Jerry Andrews	March 4, 1955
M. Dublin	F. Heilenday	March 9, 1955
Mr. Ben O. Howard	Joe F. Schirtzinger	March 15, 1966

CORRESPONDENCE: MEMOS AND NOTES

To:	From:	Date
The Inspector General, U.S. Air Force	Ben O. Howard	August 30, 1949

CORRESPONDENCE, CONTINUED:

To:	From:	Date
J. P. Shaw	H. C. Tafe	October 6, 1949
Distribution List With attachments	W. W. Fox	August 27, 1954
Ben O. Howard	George C. Prill	January 23, 1958
Colonel A. F. Kalberer	(no signature)	(date unknown)

DIAGRAMS:

"Boeing 727 Facility Planning", dated May 15, 1964. 24 pages.

"C-135B Technical Data", dated December, 1961, 4 pages.

"737 Boeing Facility Planning", dated September 1, 1965, 9 pages.

Untitled diagrams, 5 pages.

NEWSPAPER ARTICLES:

EA #1

"Down, Down. . . A Jet Plunges, But All Survive", THE NATIONAL OBSERVER, November 18, 1963. Xerox copy.

"Officials Have No Plans to Ground Boeing 727", by Robert J. Serling, LOS ANGELES TIMES, February 5, 1966. Xerox copy.

"27 Americans Killed in Viet Plane Crash", LOS ANGELES TIME, November 27, 1966.

"Boeing Design Defended", publication unknown, date unknown.

OUTLINES: . .

"Jet Transport Turbulence Penetration Flight Test", dated May 11, 1964. 2 pages, xerox copy.

"Specific Types & Causes of Accidents", 8 pages.

"Safety in Aircraft Design", Course Outline for Aeronautical Engineering 340, school unknown, date unknown. 8 pages.

PERIODICALS:

EA #2

THE AIR LINE PILOT, February, 1953.

U.S. NEWS & WORLD REPORT, Vol. 46, No. 22, June 1, 1959. Includes the article, "Killed: 1,100 Fliers a Year", pp. 72-73.

PERIODICALS, CONTINUED:

AIRLINER, published by Boeing Airplane Division, November-December, 1963.

AVIATION WEEK & SPACE TECHNOLOGY, Vol. 83, No. 7, August 16, 1965.
Includes the article, "Vertical Air Drafts Cited in 7208 Crash", CAB Accident Investigation Report, Part I, pp. 104-107.

AVIATION WEEK & SPACE TECHNOLOGY, Vol. 83, No. 8, August 23, 1965.
Includes the article, "Study Adds Data on Control in Turbulence", CAB Accident Investigation Report, Part II, pp. 93-107.

AMERICAN AVIATION, Vol. 29, No. 11, April, 1966. Includes the article, "More Training Sought for Jet Crews", pp. 67-70.

AIRLINE MANAGEMENT AND MARKETING, Vol. 1, No. 12, December, 1967.
Includes a section on air safety.

67 #2
REPORTS:

"Accident Investigation Report", accident on February 12, 1949, near Offutt Air Force Base, Omaha, Nebraska. 8 pages, carbon copy.

"Civil Aeronautics Board Report", recommended items of vital necessity. 4 pages, xerox copy.

"Field Service Report", dated December 18, 1954, Norton Air Force Base.

Sections: General Information (2 copies, both carbon)
Field Service Engineers Reports (carbon copy)
Flying Safety and Accident Review magazines (carbon copy)
Phone Contact (carbon copy)
Pogo Stick Film (carbon copy)

"An Investigation of Pilot Induced Oscillation in Fighter Aircraft", dated May 10, 1956. Prepared by H. Depew, Jr. Report of work performed under REA Nos. 55-15 and 56-1. 63 pages.

"Report of The Army Air Forces Center, Orlando, Florida". Subject-- Test of Throttle Stops for A-26 Airplane. Dated September 18, 1945. With attached correspondence.

"Report on Effectiveness of USAF and USN Flying Safety Groups and Recommendations for Added Effort Toward Reduction in Aircraft Accident Costs", prepared by Ben O. Howard, dated March 24, 1949. 5 copies.

REPORTS, CONTINUED:

"The Society of Experimental Test Pilots 8th Annual Report to the Aerospace Profession". Includes "A Test Pilot's View of the Sub-Sonic Jet Upset Problem", by William M. Magruder and R. L. Fetty.

12 pages of miscellaneous reports, some incomplete, written by Ben O. Howard, concerning military aircraft accident prevention. Dated December 8, 1948.

STATEMENTS:

Statement of Pilot Engineer Norman C. Smith, concerning accident on Flight 301, November 9, 1963. Recorded November 10, 1963. 1 page, xerox copy.

Statement of Copilot G. R. Newby, concerning accident on Flight 301, November 9, 1963. Recorded November 12, 1963. 2 pages, xerox copy.

Statement of Captain M. H. French, concerning accident on Flight 301, November 9, 1963. Recorded November 14, 1963. 3 pages, xerox copy.

MISCELLANEOUS:

Advertisements--

For two new courses in aviation safety from the University of Southern California.

For the Lear Jet, made by Lear Jet Corporation, Wichita, Kansas.

Aircraft Accident Card--Form NAVAER 339 C (Rev. 9-45). 2 copies.

Aircraft Accident Report--Form NAVAER 339 (Rev. 11-45). 3 copies.

(B-H831-bo) - Application--For Federal Employment. Filled out by Ben Odell Howard. Dated January 26, 1949.

Bulletins--

FLIGHT OPERATIONS BULLETIN NO. 23-63, October 29, 1963, United Airlines publication. With attached correspondence.

FLIGHT STANDARDS BULLETIN NO. 8-63, November 12, 1963, Northwest Airlines, Inc. publication. With attached correspondence.

PILOTS SAFETY EXCHANGE BULLETIN 66-11-/111, November/December, 1966, Flight Safety Foundation, Inc. publication.

Conclusions--"Significant Conclusions from Accident Analysis Including All Fatal Accidents with Commercial Four-Engine Landplanes Operated by U.S. Certificated Airlines", dated January 1, 1946 through June 30, 1948. 1 page.

MISCELLANEOUS, CONTINUED:

Contract--Personal Service Contract, between Mr. Ben O. Howard and the Bureau of Aeronautics. 2 copies.

Corrective Program--devised by operators of C-46 aircraft used in air carrier operations under United States registry. Submitted to the Civil Aeronautics Authority, Washington, D.C.

Data Sheets--compiled by Captain Mel French, concerning the Eastern Air Lines incident west of Galveston, November 9, 1963. 3 pages, with attached correspondence.

Estimate--of Flight Crew Requirements. Flight Engineer Manning DC-4 and DC-6 Aircraft Based on July 1, 1948 Schedule. 1 page.

Findings--on F-100 Trim Feel Actuator Power Units, Hoover Electric Company Type D1430-1, resulting from visit to North American Aviation, Inc. Dated December 6, 1954. 8 pages.

Flight Plan--For Shakedown Flights on B-36B Airplanes. Consolidated Vultee Aircraft Corporation, Fort Worth Division, Fort Worth, Texas. Dated October 19, 1948. 2 copies.

Bot #2
Letter--"Air Force Public Relations Letter", circulated to Commanders and Public Information Officers by Department of the Air Force, Directorate of Public Relations. Vol. 3, No. 24, December 2, 1949.

Lists--

- Of members enrolled in Aeronautical Engineering Course No. 340, Class No. U279, University College. 3 pages.
- Of All-Fatal Accidents, Four-Engine Aircraft, January 1, 1946 through December, 1948, and Serious But Non-Fatal Accidents, Four-Engine Aircraft. 2 pages.
- Of Personnel Attending Meeting, May 18, 1953, at Los Angeles AF Development Field Office. 1 page.
- Of Safety Precautions to be Made on the B-29. 1 page, carbon copy.

Magazine Articles--

- "Are Sweptwing Jets Upset-Prone?", by James F. Rudolph and Richard S. Sliff, SAE JOURNAL, December, 1965, pp. 52-53. Xerox copy.
- "136 engines later. . .", publication unknown, date unknown. Accompanied by cartoon, "Day shift", with the caption, "Says he's coming out of retirement and wants his old job back. . . test pilot."

Minutes--Flight Safety Council, Fifty-Third Meeting, January 25, 1949. Navy Department, Office of the Chief of Naval Operations. 2 pages.

MISCELLANEOUS, CONTINUED:

- Box #3* - Notes and Drawings--277 pages.
- Photographs--8, of unidentified airplanes that have crashed.
- PHOTO (Av 52-1172)*
- Box #2* { Proposal--"A Proposal Directed to the Secretary of Defense", dated December 2, 1948, concerning conservation of military aircraft and airmen. 2 copies, 4 pages.
- { Radio Broadcast--From Radio Reports, Inc. Special for H. A. Bruno Associates, entitled, "Timney Wants Government to do Something About B-29 Crack Ups". 1 page.
- { Record of Visit, Conference, or Telephone Call--To William R. Krieger, contacted by James Rudolph. Dated December 2, 1963. 2 pages, carbon copy.
- (A-M 134-143)* - Resume--Of William J. Morrissey. Dated September 23, 1964. 8 pages. With attached advertisement of Morrissey Aviation, Inc.
- Box #2* { Study--"Safety Design Study Number Thirteen USAF 1954 Aircraft Accident Statistics", prepared by Safety Design Group, Convair, San Diego. Dated April 14, 1955. 4 pages, carbon copy.
- { Telephone Record--Between W. F. Chana and H. W. Wilson. 1 page.
- { Travel Expense Claim--Of Ben O. Howard. 1 page.
- { Voucher--For Per Diem and/or Reimbursement of Expenses Incident to Official Travel. U.S. Bureau of Aeronautics, payment being made to Ben O. Howard. 1 page, carbon copy.

In my opinion, the above items should be valued at not less than
\$ 450.00

Gene M. Gressley
Director

GMG/jkl