

# Aviation medicine collection

Pam Coll 23



Katherine Isham

2024

Yale University  
333 Cedar St.  
New Haven, CT 06520-8014  
203-737-1192  
203-785-5636  
historical.library@yale.edu  
<http://historical.medicine.yale.edu/>

---

## Table of Contents

Collection Overview .....	3
Requesting Instructions .....	3
Administrative Information .....	3
Immediate Source of Acquisition .....	3
Conditions Governing Access .....	4
Conditions Governing Use .....	4
Preferred Citation .....	4
Scope and Contents .....	4
Arrangement .....	4
Collection Contents .....	5
Series I: Federal Aviation Agency, Aviation Medical Service, 1962–1966 .....	5
Series II: US Air Force School of Aviation Medicine, 1951–1953 .....	6
Series III: Other US military and US government agencies, 1937-1960, undated .....	7
US Air Force .....	7
US Army and Navy .....	7
Other US government agencies .....	7
Series IV: Non-US government or US military sources, 1940-1957, undated .....	9
Selected Search Terms .....	11

---

## Collection Overview

**REPOSITORY:** Medical Historical Library, Cushing/Whitney Medical Library  
Yale University  
333 Cedar St.  
New Haven, CT 06520-8014  
203-737-1192  
203-785-5636  
historical.library@yale.edu  
<http://historical.medicine.yale.edu/>

**CALL NUMBER:** Pam Coll 23

**CREATOR:** United States. Federal Aviation Agency

**TITLE:** Aviation medicine collection

**DATES:** 1937–1966

**PHYSICAL DESCRIPTION:** 3 linear feet (3 boxes + 1 oversize folder)

**LANGUAGE:** English

**SUMMARY:** The collection consists of pamphlets, reports, and papers related to aviation medicine dated 1937-1936. The majority of materials in the collection were created by US military and government agencies, including the Federal Aviation Agency, Aviation Medical Service, and the US Air Force School of Aviation Medicine. Other sources include the British and Canadian military, Boeing Aircraft Company, and academic research institutions. The collection also includes a small amount of correspondence and photographs.

**ONLINE FINDING AID:** To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/med.pam.0023>

---

## Requesting Instructions

To request items from this collection for use on site, please use the request links in the HTML version of this finding aid, available at <https://hdl.handle.net/10079/fa/med.pam.0023>.

Key to the container abbreviations used in the PDF finding aid:

b.      box  
f.      folder

---

## Administrative Information

---

### Immediate Source of Acquisition

Collection was created by Medical Historical Library staff. Provenance of items in the collection is unknown.

## Conditions Governing Access

The collection is open for research.

---

## Conditions Governing Use

Copyright status for collection materials is unknown. Transmission or reproduction of materials protected by U.S. Copyright Law (Title 17, U.S.C.) beyond that allowed by fair use requires the written permission of the copyright owners. Works not in the public domain cannot be commercially exploited without permission of the copyright owners. Responsibility for any use rests exclusively with the user.

---

## Preferred Citation

Aviation medicine collection. Historical Library, Harvey Cushing / John Hay Whitney Medical Library, Yale University.

---

## Scope and Contents

The collection consists of pamphlets, reports, and papers related to aviation medicine dated 1937-1936. The majority of materials in the collection were created by US military and government agencies, including the Federal Aviation Agency, Aviation Medical Service, and the US Air Force School of Aviation Medicine. Other sources include the British and Canadian military, Boeing Aircraft Company, and academic research institutions. The collection also includes a small amount of correspondence and photographs.

---

## Arrangement

The collection is organized in four series: Series I: Federal Aviation Agency, Aviation Medical Service, 1962-1966. Series II: US Air Force School of Aviation Medicine, 1951-1953. Series III: Other US military and US government agencies, 1937-1960, undated. and Series IV: Non-US government or US military sources, 1940-1957, undated.

Series III. Other US military and US government agencies, 1937-1960, is further organized in three sub-series: US Air Force, US Army and Navy, and Other US government agencies.

---

## Collection Contents

### Series I: Federal Aviation Agency, Aviation Medical Service, 1962–1966

b. 1, f. 1	Federal Aviation Agency, <i>Federal aviation regulations part 67: medical standards and certification</i> . Washington, D.C.: U.S. Government Printing Office, 1962.	1962
b. 1, f. 2	Federal Aviation Agency, <i>Federal aviation regulations part 67--- medical standards and certification, change 1 eff: March 29, 1965</i> . Washington, D.C.: U.S. Government Printing Office, 1965.	1965
b. 1, f. 3	Federal Aviation Agency, <i>Consumption of alcoholic beverages by crewmembers before operation of aircraft: notice of proposed rule making, Docket no. 6747, Notice 65-15</i> . Washington, D.C., 1965. June edition.	1965
b. 1, f. 3	Federal Aviation Agency, <i>Consumption of alcoholic beverages by crewmembers before operation of aircraft: notice of proposed rule making, Docket no. 6747, Notice 65-34</i> . Washington, D.C., 1965. November edition.	1965
b. 1, f. 4	Federal Aviation Agency, <i>Distant visual acuity; first- and second-class medical certificates: notice of proposed rule making, Docket no. 6900, Notice 65-22</i> . Washington, D.C., 1965.	1965
b. 1, f. 5	Federal Aviation Agency, Aviation Medical Service, <i>Guide for....aviation medical examiners, April 1963 (reprinted with amendments)</i> . Washington, D.C.: U.S. Government Printing Office, 1963.	1963
b. 1, f. 6	Federal Aviation Agency, Aviation Medical Service, <i>Federal Air Surgeon's medical bulletin, 65-1, April 2, 1965</i> . 1965.	1965
b. 1, f. 7	Federal Aviation Agency, Aviation Medical Service, <i>Federal Air Surgeon's medical bulletin, 65-2, August 10, 1965</i> . 1965.	1965
b. 1, f. 8	Federal Aviation Agency, Office of Aviation Medicine, <i>R# to keep you healthy in flight, Aviation Medical Education Series no. 1</i> . Washington, D.C.: U.S. Government Printing Office, 1965.	1965
b. 1, f. 9	Federal Aviation Agency, Office of Aviation Medicine, <i>IFR, VFR, either way disorientation can be fatal, Aviation Medical Education Series no. 2</i> . 1966.	1966
b. 1, f. 10	Federal Aviation Agency, Office of Information Services, <i>Aviation news: May 1965</i> , vol. 4, no. 1. Washington, D.C.: U.S. Government Printing Office, 1965.	1965

## Series II: US Air Force School of Aviation Medicine, 1951–1953

b. 1, f. 11	Feinstein, Robert N., Carrie L. Butler, <i>A nucleoprotein-containing fraction of intestinal mucosa</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1951.	1951
b. 1, f. 12	Feinstein, Robert N., Carrie L. Butler, <i>Effect of whole body x-radiation and of intraperitoneal hydrogen peroxide on a nucleoprotein-containing fraction of rat intestine and on whole rat intestine</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1951.	1951
b. 1, f. 13	Gulley, Wayne E., J. Gordon Wells, <i>A method of weatherproofing standard metal spectacle frames</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1952.	1952
b. 1, f. 14	Gulley, Wayne E., Theodore C. Leininger, J. Gordon Wells, <i>Prescription spectacles for flying personnel</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1952.	1952
b. 1, f. 15	Hyde, Reed W., <i>Aerotitis media</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1952.	1952
b. 1, f. 16	Strughold, Hubertus, <i>The physiological day-night cycle in global flights</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1952.	1952
b. 1, f. 17	Tait, C. Downing, Patrick D. Wall, Muriel Balmuth, Sylvan J. Kaplan, <i>Behavioral changes following radiation, ii. maternal behavior and maze performance</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1952.	1952
b. 1, f. 18	Bell, Jr., Alfred L.L., <i>An instrument to facilitate measurement of oxygen and carbon dioxide tension in blood by the direct method</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1953.	1953
b. 1, f. 19	Glick, David, Morton Alpert, Helen R. Stecklein, <i>The determination of l-ascorbic acid, and dehydro-l-ascorbic acid plus diketo-l-gulonic acid in microgram quantities of tissue</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1953.	1953
b. 1, f. 20	McCleary, Robert A., Gerald H. Rothschild, <i>A performance situation employing light-aversion to allow concurrent observation of food intake and learning in the mouse</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1953.	1953
b. 1, f. 21	Schmidt, Ingeborg, <i>Evaluation of the Grether self-administering color vision test</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1953.  Includes page of corrections.	1953
b. 1, f. 22	Tonndorf, Juergen, <i>Some implications of the decibel scale</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1953.	1953
b. 1, f. 23	Wilson, Mathew R., Horst G. Fleck, <i>A dual retinoscope for instructional purposes</i> . Randolph Field, Texas: Air University, United States Air Force School of Aviation Medicine, 1953.	1953

## Series III: Other US military and US government agencies, 1937-1960, undated

### US Air Force

b. 1, f. 24	Arnold, H.H., <i>Second report of the commanding general of the Army Air Forces to the Secretary of War</i> . Washington, D.C.: U.S. Government Printing Office, 1945.	1945
b. 1, f. 25	U.S. Air Force Medical Service, <i>The story of air force medicine</i> . 1952.	1952
b. 1, f. 26	U.S. Air Force, Air Materiel Command, Wright-Patterson Air Force Base, <i>Synopsis of the aero medical aspects of jet propelled aircraft: prepared by the staff, aero medical laboratory, engineering division, air materiel command</i> . Dayton, Ohio, 1949.	1949
b. 1, f. 27	Aerospace Medical Laboratory, Wright Air Development Division, <i>Bibliography on aeromedical research with abstracts</i> . 1959.	1959

### US Army and Navy

b. 1, f. 28	Behnke, Albert R., <i>The relation of lean body weight to metabolism and some consequent systematizations</i> . New London, Connecticut: U.S. Naval Medical Research Laboratory, 1953.	1953
b. 1, f. 29	Copy of letter from I. L. Norman to Commander Stephenson (Naval Correspondence), March 17, 1941.	1941
b. 1, f. 30	U.S. Naval Air Station, "Results of test of anti-blackout equipment." Anacostia, D.C., 1942.	1942
b. 1, f. 31	U.S. Army Air Corps, Copy of "Statistical data fiscal year 1940: accidents -- flying time." 1940.	1940

### Other US government agencies

b. 1, f. 32	Armstrong, Harry G., "Medical Aspects of the British Air-Training Corps Scheme." n.d.	undated
b. 1, f. 33	Armstrong, Harry G., "Organization of the Royal Air Force Medical Services". n.d. Notes from H.G. Armstrong sent to J.F. Fulton by L.E. Griffis, 2 page letter	undated
b. 1, f. 34	Burton, Group Captain H. L., Extract of "notes on 'flying fatigue' or 'flying stress'". n.d.	undated
b. 2, f. 1	National Research Council, Division of Medical Sciences, Committee on Aviation Medicine, Packet of reports on Canadian Aviation including two copies of a report on a experiment on effects of sulphanilimide and one report by F.J.W. Roughton "Notes on a visit to aviation medicine centres in Canada June 23-July 2-41	undated
b. 3, f. 1	Medical Research Council, Committee on Traumatic Shock, "Surgical experiences in Norway-Spring 1940". 1940.	1940
b. 2, f. 2	Lee, R.H., B. F. Jones, E.C. Hammond, <i>The effects of low atmospheric pressure on dark adaptation</i> , report #1 on <i>Studies on Aviation Medicine</i> . Federal Security Agency, U.S. Public Health Service, National Institute of Health, Research Section of the Division of Industrial Hygiene, 1941.	1941

Other US government agencies (continued)

b. 2, f. 3	Stanton, George Sidney, <i>Realm of flight: presenting practical information about weather in relation to the piloting of private aircraft</i> . Washington, D.C.: U.S. Government Printing Office, 1945.	1945
b. 3, f. 2	Taylor, G.I., <i>Pressures on solid bodies near an explosion</i> . Ministry of Home Security, Civil Defence Research Committee, 1943. Sent by Oswald Veblen to Professor John Fulton.	1943
b. 2, f. 4	U.S. Department of Health, Education, and Welfare, U.S. Public Health Service, <i>Supplement #1 to 'handbook on sanitation of airlines': sanitary construction and maintenance of potable-water systems for aircrafts</i> . 1957.	1957
b. 2, f. 4	U.S. Department of Health, Education, and Welfare, U.S. Public Health Service, <i>Handbook on sanitation of airlines, supplement #2 (revised): sanitary design and construction of aircraft galleys</i> . 1960.	1960
b. 2, f. 5	U.S. Works Progress Administration, <i>Bibliography of aeronautics: part 11 - medicine, compiled from the index of aeronautics of the institute of the aeronautical sciences</i> . New York City, New York, 1937.	1937
b. 2, f. 6	U.S. Works Progress Administration, <i>Bibliography of aeronautics: supplement to part 11 - medicine, compiled from the index of aeronautics of the institute of the aeronautical sciences</i> . New York City, New York, 1940.	1940



## Series IV: Non-US government or US military sources, 1940-1957, undated

b. 2, f. 7	Beckman, Commander Edward L., H. L. Ratcliffe, <i>A post-mortem study of rhesus monkeys at intervals after single or repeated exposure to negative acceleration</i> , reprinted from the <i>Journal of Aviation Medicine</i> , vol. 27, April 1956. 1956.	1956
b. 2, f. 8	Boeing Aircraft Company, Boeing news, August 1943. Seattle, Washington, 1943.	1943
b. 2, f. 9	Boeing Aircraft Company, <i>Leap from the stratosphere</i> . Seattle, Washington, 1943.	1943
b. 2, f. 10	Cooper, J.B., Altitude conditioning of aircraft cabins, paper presented at the National Aircraft Production Meeting of the SAE. Boeing Aircraft Company, 1940. Includes 21 photographs and prints of slides.	1940
b. 2, f. 11	De Haven, Hugh, <i>Development of crash-survival design in personal, executive and agricultural aircraft</i> . New York City, New York: Crash Injury Research, Cornell University Medical College, 1953.	1953
b. 2, f. 12	Hasbrook, A. Howard, <i>Crash survival study: De Havilland Dove accident at Staten Island airport December 9, 1952</i> . New York City, New York: Aviation Crash Injury Research, Cornell-Guggeinheim Aviation Safety Center, 1954.	1954
b. 2, f. 13	Hasbrook, A. Howard, <i>Crash survival study of a survivable accident involving a Piper PA-11, General Aircraft: Release 1-16</i> . New York City, New York, Aviation Crash Injury Research, Cornell-Guggenheim Aviation Safety Center, 1954.	1954
b. 2, f. 14	Hasbrook, A. Howard, John T. Parin, H. R. Guggeinheim, Jr., <i>Av-CIR crash survival study, U.S. Army Bell H-13 accident at Monmouth County Airport, Belmar, N.J., June 21, 1956</i> . Flushing, New York: Aviation Crash Injury Research of Cornell University, 1957.	1957
b. 2, f. 15	Copy of letter from Archibald Vivian (A.V.) Hill to Professor John Fulton, August 8, 1941.	1941
b. 2, f. 16	McFarland, Ross A., <i>Recent methods of testing fitness for flying</i> . Boston, Massachusetts, n.d.	undated
b. 2, f. 17	McFarland, Ross A., <i>Bibliography on the selection, training, and physical fitness of aviation pilots</i> . Boston, Massachusetts: Fatigue Laboratory, Harvard University, circa 1940.	circa 1940
b. 2, f. 18	McFarland, R. A., H. A. Holway, <i>The theory and measurement of flight performance progress report May 1941</i> . Cambridge, Massachusetts: Harvard C.A.A.N.R.C. Project, 1941.	1941
b. 3, f. 3	<i>Morning Press News</i> , November 15, 1940. Guantanamo Bay, Cuba, 1940.	1940
b. 2, f. 19	Plant, W. H., <i>Night vision and dark adaptation 1946-1951 a selected reading list</i> . Research and Development Board, Technical Library Branch, 1952.	1952
b. 3, f. 4	Royal Canadian Air Force, Copy of Development of R.C.A.F. demand oxygen supply system. 1941.	1941
b. 2, f. 20	Royal Canadian Air Force Medical Branch, Aviation Medical Research, Copy of report on chronic altitude sickness and the effects of low barometric pressure on personnel. n.d.	undated

b. 2, f. 21	Russell, D.D., "Further notes on the psychological effects of benzedrine on normal adults". Cambridge, England, Military Personnel Research Committee of Medical Research Council, 1941.	1941
b. 2, f. 22	Russell, D.D. "Conclusions on the use of benzedrine in normal adults engaged in war operations". England, 1941.	
b. 2, f. 23	Summary of German psychological laboratory and tests. circa 1941.	circa 1941
b. 2, f. 24	War Cabinet, Scientific Advisory Committee, Copy of minutes of the fourth meeting of the committee held at Richmond Terrace, S.W.1, on Thursday, 31st October, 1940, at 11.0 a.m. London, England, 1940.	1940
b. 2, f. 25	Wright, David G., Douglas D. Bond, <i>Notes on men and groups under stress of combat: for the use of flight surgeons in operational units, how can the flight surgeon better treat anxiety?</i> . Josiah Macy, Jr. Foundation, 1945.	1945
b. 2, f. 26	Miscellaneous	undated

## **Selected Search Terms**

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

### **Subjects**

Aeronautics -- Safety measures  
Atmospheric pressure -- Physiological effects  
Aviation medicine  
Flight -- Physiological aspects  
Vision -- Testing

### **Contributors**

United States. Federal Aviation Agency  
USAF School of Aviation Medicine