

Ulrich Cameron Luft Papers

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Descriptive Summary

Languages: English

Contributing Institution: Special Collections & Archives, UC San Diego

9500 Gilman Drive

La Jolla 92093-0175

Title: Ulrich Cameron Luft Papers

Identifier/Call Number: MSS 0475

Physical Description: 19.8 Linear feet(38 archives boxes, 11 card file boxes, 1 records carton, 4 oversize folders, and 1 art bin item)

Date (inclusive): 1907-1991

Abstract: Papers of Ulrich Cameron Luft, research physiologist and physician. Luft was an authority in the fields of lung physiology and acclimatization to high altitude.

Scope and Content of Collection

Papers of Ulrich Cameron Luft, research physiologist and physician. Luft was an authority in the fields of lung physiology and acclimatization to high altitude. The collection contains correspondence, much of it related to Luft's research interests; published and unpublished writings by Luft and others from the 1930s through the 1980s; Luft's experimental and reference files containing notes, calculations, graphs and illustrations; photographs of Luft, his colleagues and family; photographs and slides of equipment and people in research settings; and, medical instruments. Arranged in nine series: 1) BIOGRAPHICAL MATERIAL, 2) CORRESPONDENCE, 3) WRITINGS BY ULRICH LUFT, 4) EXPERIMENTAL RESEARCH MATERIAL, 5) TEACHING MATERIAL, 6) HIGH ALTITUDE EXPEDITIONS, 7) WRITINGS OF OTHERS, 8) MEDICAL APPARATUS, and 9) ORIGINALS OF PRESERVATION PHOTOCOPIES.

Four series contain material reflecting Luft's personal and professional life in Germany. The BIOGRAPHICAL series includes family and personal documents issued in pre-war, wartime and post-war Germany; Luft's WRITINGS series contains copies of most of his own work, published and unpublished, in the period 1936-1944; the WRITINGS OF OTHERS includes published and unpublished work of colleagues from these same years and earlier. The core of the HIGH ALTITUDE EXPEDITION series is formed by his Nanga Parbat files. Many of the items in these four series are in German.

The material dated after his arrival in the United States in 1947 reflects his career as researcher, teacher and consultant. The extensive Series EXPERIMENTAL RESEARCH MATERIAL series includes Luft's notes and data on his own research, subject files containing his annotated reprints of work done by others and illustrative material in several formats. This material characterizes his research methods but has few connections with specific projects. The small series of TEACHING MATERIAL documents courses in respiratory physiology for the period 1964-1980. Luft's teaching and consulting work is often referred to in the CORRESPONDENCE. There is little documentation for his administrative responsibilities at the School of Aviation Medicine or the Lovelace Medical Foundation.

SERIES 1: BIOGRAPHICAL MATERIAL

The BIOGRAPHICAL MATERIAL is arranged in three subseries: A) Germany, 1907-1947; B) United States, 1947-1989; and C) Family Photographs and Slides.

A) Germany, 1907-1947, consists almost entirely of documents (originals or copies) related to Luft's family and his career.

B) United States, 1947-1989, contains a wider range of material, but largely parallels his employment history in the United States. The travel requests and authorizations for the "Operation Paperclip" scientists indicate the security concerns of the time.

C) Family Photographs and Slides contain formal and informal portraits of Ulrich Luft, snapshots of his family at their homes in Texas and New Mexico, with other people, and during travel abroad.

SERIES 2: CORRESPONDENCE

The CORRESPONDENCE is arranged alphabetically, interfiling personal and business correspondents. Almost all letters date from Luft's years in the United States, although he did retain those of two mountaineering groups, the Akademischer Alpenverein Munchen and the Deutsche Himalaja Stiftung, as well as copies of his letters of farewell to colleagues in Berlin, "Abschied von Berlin." He corresponded with friends and colleagues who had remained in Germany or had come to the United States (e.g., Bruno Balke, Erich Opitz, Hermann Rahn, Hubertus Strughold) and with an international group of colleagues and former students (e.g., Per-Olaf Astrand, David Cardus-Pascual, Alberto Hurtado, Carlos Monge-Medrano, among others).

SERIES 3: WRITINGS BY ULRICH LUFT

Luft's WRITINGS are arranged in two subseries: A) Journal Articles and Papers, and B) NASA Research Reports.

A) Journal Articles and Papers are arranged alphabetically by title. Luft maintained numbered lists of his publications, giving English translations for his German language works from the period 1936-1944. These lists begin the subseries, which contains reprints of almost all of Luft's research publications, many accompanied by notes, graphs and drafts. Luft sometimes kept related correspondence and reprints of work by others with his own publications, and this material has been kept with this subseries.

Luft wrote reminiscences and memorial tributes to friends and former colleagues, including Bruno Balke, Hans Hartmann, William R. Lovelace, and Erich Opitz, which were published or delivered as part of memorial services. These are interfiled by title, as is his account of his time at the Aero-Medical Research Institute in Berlin, entitled "Luftfahrtmedizinische Forschungsinstitut, Berlin, Erinnerungen, 1937-1945."

B) NASA Research Reports are in chronological order, 1967-1980, when Luft's laboratory was under contract to conduct specialized physiological studies in support of manned space flight. He worked with Jack A. Loepky, among others, and the reports were prepared under Luft's supervision.

Luft's writings related to the Nanga Parbat expeditions are located in Series 6.

SERIES 4: EXPERIMENTAL RESEARCH MATERIAL

The EXPERIMENTAL RESEARCH MATERIAL series is arranged in six subseries according to type of material, following Luft's own categorizations by format type and use: A) Notes and Data, B) Index Cards and Graphs, C) Pulmonary Function and Exercise Data on U. Luft, D) Subject Files, E) Prints, Slides and Films, and F) Lantern Slides.

The first two subseries contain notes and data on his own experimental research and notes he made during his study of the work of others.

A) Notes and Data are arranged alphabetically using Luft's own titles for his areas of research. Items in the folders are varied and include handwritten and typescript notes, graphs, tables, charts, formulae, and calculations.

B) Index Cards and Graphs also use Luft's original titles for the notes and citations he made on cards and data recorded on graphs.

C) Pulmonary Function and Exercise Data on U. Luft is arranged chronologically. Luft often used himself as a subject, and this subseries tracks his results for the years 1954-1980.

D) Subject Files primarily consist of copies and reprints of articles by other researchers with annotations by Luft. They are arranged alphabetically using Luft's titles and occasionally contain correspondence and notes.

E) Prints, Slides and Films are arranged alphabetically, mostly under Luft's titles. They show research data, equipment, people, and procedures.

F) Lantern Slides. These are arranged alphabetically using Luft's titles and also contain research related subject matter.

SERIES 5: TEACHING MATERIAL

The TEACHING MATERIAL is arranged alphabetically by course and contains lecture outlines and notes, reading lists, assignments, graphs, and reprints. While Luft also had teaching and academic administration responsibilities early in his career, this series documents the courses, mainly in respiratory physiology, for the years 1964-1980.

SERIES 6: HIGH ALTITUDE EXPEDITIONS

The HIGH ALTITUDE EXPEDITIONS are arranged alphabetically in four subseries, following the course of Luft's expedition experience and lifelong interest: A) Nanga Parbat, 1937, B) Nanga Parbat, 1938, C) Nanga Parbat, 1942-1989, and D) Miscellaneous.

A) The Nanga Parbat, 1937, subseries consists of Luft's expedition notebooks and his written accounts of events on Nanga Parbat. A typed transcription of the diary of Luft's close friend and colleague, Hans Hartmann, is in this subseries, along with newspaper reports.

B) The Nanga Parbat, 1938, subseries contains Luft's expedition notebooks and descriptive accounts, weather data and the published and unpublished accounts of others. Of particular interest is the 16 mm film, a documentary record of the return expedition.

C) The Nanga Parbat, 1942-1989, subseries contains Luft's later writings on the expeditions, including the 1988 article, "Medical Research on Nanga Parbat, 1938," written at the invitation of the editor of the *Annals of Sports Medicine*.

D) The Miscellaneous subseries contains an ice axe and photographs of a German high altitude research station in the Alps.

SERIES 7: WRITINGS OF OTHERS

Luft's original files of the WRITINGS OF OTHERS form the core of Series 7, which consists mainly of pre-1950 reprints published in Germany, galley proofs of articles that remained unpublished because of the close of World War II, and unpublished research reports. Most of these writings are in German. They are arranged alphabetically by author, with anonymous items interfiled by title.

SERIES 8: MEDICAL APPARATUS

This series contains a variety of small medical instruments and measuring devices that belonged to Luft, many of German or Swiss manufacture.

SERIES 9: ORIGINALS OF PRESERVATION PHOTOCOPIES

The ORIGINALS OF PRESERVATION PHOTOCOPIES series contains the originals of brittle or high acid content documents that have been photocopied. These originals are restricted. User copies must be used in place of these materials.

Biography

The son of a Scottish mother and German father, Ulrich Cameron Luft was born in Berlin on April 25, 1910. He studied medicine at the universities of Freiburg, Munich and Berlin, 1929-1935. After a year as an intern, he was licensed as a physician and in 1937 completed a doctoral thesis on the physiological effects of oxygen deprivation.

Luft took part in the 1937 and 1938 German mountaineering expeditions to Nanga Parbat in the western Himalayas as research physiologist and team physician. Impressed with the stamina of the Sherpa guides, he realized there were adaptive mechanisms that could be studied. He collected data on the climbers, noting that tolerance to altitude increased over time and that this acquired tolerance persisted after descent. This effect was important in the unpressurized aircraft of the time and would become of vital importance during World War II.

Returning to Germany, Luft joined the Luftfahrtmedizinische Forschungsinstitut (Aero-Medical Research Institute) in Berlin as head of its altitude physiology laboratory. He was drafted for military service in 1939 and spent three months in training, then returned to civilian status as a researcher. In 1941 he married a colleague, Alice Hentzelt, and the following year he was elected to the faculty at the University of Berlin. The requirements of military aviation focused Luft's research on rapid decompression, diffusing capacity of the lungs and duration of consciousness at altitude. He was also a consultant to the German military on thermal stress and nutrition.

The university and institute were closed when the war ended, and Luft started a private medical practice. When the university reopened he was asked to become Acting Director of the Physiology Department. In April, 1947, Col. Harry Armstrong of the U.S. Air Force offered Luft a research appointment at the Air Force School of Aviation Medicine at Randolph Field, Texas. The offer was made under "Operation Paperclip," a program to bring German scientists to the United States.

Luft was a researcher at the School until 1954, when he was asked by Randolph Lovelace to head the Department of Physiology at the Lovelace Clinic for Medical Education and Research in New Mexico. His research interests continued to center around the effect of oxygen deficiency on body tissues, leading to his contributions in a variety of fields: pulmonary disease, exercise tolerance, oxygen equipment design, and the testing and selection of the first Project Mercury astronauts in the early days of the NASA space program.

A productive researcher and teacher with an extensive publication list and enduring ties with his former students, Luft received many awards and was honored with a symposium after his retirement in 1980.

Ulrich Luft died on November 23, 1991, at his home in Albuquerque, New Mexico.

Publication Rights

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Preferred Citation

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Acquisition Information

Acquired 1999.

Restrictions

Films in Series 4: EXPERIMENTAL RESEARCH MATERIAL and Series 6: HIGH ALITUDE EXPEDITIONS are restricted. A DVD viewing copy, located in Box 32, is available in place of the films. Original materials deemed too fragile for use are restricted. User copies must be used in place of these materials.

Subjects and Indexing Terms

Nanga Parbat (Pakistan)
Physiologists -- Biography
Physiology -- History
Mountaineering expeditions -- Himalaya Mountains
Mountaineering -- Pakistan -- Nanga Parbat
Aviation medicine

Decompression (Physiology)
Acclimatization
Anoxemia
Altitude, Influence of
Luft, U. C. (Ulrich C.) -- Archives
Deutsche Himalaya-Expedition to Nanga Parbat (1938)
Balke, Bruno -- Correspondence
Åstrand, Per-Olof -- Correspondence
Dill, David Bruce, 1891- -- Correspondence
Deutsche Himalaya-Expedition to Nanga Parbat (1937)
West, John B. (John Burnard) -- Correspondence
Rahn, Hermann, 1912-1990 -- Correspondence
USAF School of Aerospace Medicine. Department of Physiology
NASA Advisory Council. Aerospace Medicine Advisory Committee -- Correspondence
Opitz, Erich, 1871-1926 -- Correspondence
Monge M., Carlos (Monge Medrano), 1884-1970 -- Correspondence
Hurtado, Alberto, 1901-1983 -- Correspondence
Hartmann, Hans
Houston, Charles S. -- Correspondence

BIOGRAPHICAL MATERIAL

Germany, 1907-1947

Box 1, Folder 1	Luft family documents - Includes birth, marriage and death certificates 1907 - 1941
Box 1, Folder 2	Medical education and practice documents - Includes diplomas, certificates, evaluations, and work histories 1935 - 1947
Box 1, Folder 3, Oversize FB-227-07	Medical education and practice documents 1935 - 1947
Box 1, Folder 4	Passports, identification papers and other legal documents 1934 - 1947
Box 1, Folder 5	World War II. Declaration regarding the National Socialist German Workers Party (N.S.D.A.P.), March 22 1946
Box 1, Folder 6	World War II. Nuremberg trial documents 1946 - 1947

United States, 1947-1989

Box 1, Folder 7	Applications for Federal Employment - Drafts 1952 - 1965
Box 1, Folder 8	Autobiographical sketches, curriculum vitae and forms 1952 - 1972
Box 1, Folder 9, Oversize FB-227-06	Hoffman, Matthew. "His Specialty: High Altitude" August 23, 1989
Box 1, Folder 10	Identification cards and security forms - Includes photograph of Ulrich Luft 1949 - 1955
Box 1, Folder 11	Luft, Ulrich. Notebook - Miscellaneous personal and financial information 1945 - 1964
Box 1, Folder 12	October, 1946, Decision - Notes made by Ulrich Luft during the period he was considering opportunity to come to the United States
Box 1, Folder 13	Old Contracts: Important Documents on Past Employment and Remuneration by United States Air Force 1946 - 1953

Box 1, Folder 14	Oxygen Transport to Human Tissues: A Symposium in Honor of Dr. U. C. Luft - Includes a photograph of the space shuttle signed by several of Luft's colleagues June 25-27, 1981
Box 1, Folder 15	Salary on U. S. War Department Contract - Receipts and claims 1947 - 1948
Box 1, Folder 16	Survey Questionnaire, 14 May - Includes form, "War Department Position Description - Field Service" 1948 - 1949
Box 1, Folder 17	Travel requests and authorizations - Includes forms, correspondence and reports on domestic and international travel 1947 - 1957
Box 1, Folder 18	United States. Department of the Army. Landshut Military Sub-Post - Packing lists, owners inventory with certificates, affidavits and customs declarations 1950
Box 1, Folder 19	United States. Department of Justice. Immigration and Naturalization Service - Includes correspondence, forms and a photograph of the Lufts' son, Friedrich C. Luft 1949 - 1983
Box 1, Folder 20	United States. Office of the Housing Expediter, Office of Rent Control. Notice to Tenant 1948
Box 1, Folder 21	United States. Office of Military Government for Germany. Armed Forces Division - Includes document in Russian dated 18 March 1947 1945 - 1947

Family Photographs and Slides

Ulrich Luft

Box 1, Folder 22	Formal and informal portrait prints 1935 - 1980
Box 1, Folder 23	Including his wife, Alice Hentzelt Luft - Prints 1935 - 1980
Box 1, Folder 24	With family and others - Prints and negatives 1940 - 1960
	Travel
Box 1, Folder 25	Ecuador and Scotland - Slides 1960
Box 1, Folder 26	Peru and Guatemala - Negatives 1949

Laid in Materials

Box 1, Folder 27	Bauer, Paul. Wegbereiter fur die Gipfelsiege von heute. General note Materials laid into book, GV 199.92 .B38 A3 1987.
Box 1, Folder 28	Maduschka, Leo. Junger mensch im Gebirg General note Photograph laid into book, GV 199 .M33 A3 1950.

CORRESPONDENCE

Box 2, Folder 1	A - Miscellaneous
Box 2, Folder 2	Abschied von Berlin 1947 General note Letters to administrators and faculty, University of Berlin. Includes letters to Professors Schafer and Lohmann.
Box 2, Folder 3	Aerospace Medical Association 1955 - 1981
Box 2, Folder 4	Akademischer Alpenverein Munchen e.V. 1938 - 1953 General note Includes correspondence from Gerhart Klamert.
Box 2, Folder 5	Aktiebolaget Stalex 1957 - 1958
Box 2, Folder 6	Allison, Robert D. 1962 - 1966
Box 2, Folder 7	Alltransport Incorporated 1954

Box 2, Folder 8	American Airlines, Incorporated 1957 - 1958 General note Includes typescript carbon, "American Airlines Oxygen System for the Lockheed Electra", notes, tables, and incident reports from the British Overseas Airways Corporation.
Box 2, Folder 9	American College of Chest Physicians 1956 - 1981
Box 2, Folder 10	American College of Sports Medicine 1955 - 1989
Box 2, Folder 11	American Heart Association 1972 - 1980
Box 2, Folder 12	American Institute of Biological Sciences 1950 - 1978 General note Includes correspondence on the <i>Handbook of Biological Data</i> .
Box 2, Folder 13	American Medical Association 1962
Box 2, Folder 14	American Physiological Society 1949 - 1985
Box 2, Folder 15	Anderson, Max and Ben Abruzzo 1977 - 1978 General note Double Eagle balloon flight.
Box 2, Folder 16	Andrew, George M. 1972 - 1975
Box 2, Folder 17	Arthur H. Thomas Company 1949 - 1958
Box 2, Folder 18	Aspen Emphysema Conference 1979
Box 2, Folder 19	Astrand, Per-Olaf 1952 - 1964
Box 2, Folder 20	Atterbom, Hemming A. 1967 - 1980
Box 2, Folder 21	B - Miscellaneous
Box 2, Folder 22	Baldes, Edward J. 1948 - 1957
Box 2, Folder 23	Balke, Bruno 1965 - 1979
Box 2, Folder 24	Ballam, Gary O. 1983 - 1984
Box 2, Folder 25	Bancroft, Richard W. 1954 - 1963
Box 2, Folder 26	Barron, C. I. 1956 - 1957
Box 2, Folder 27	Bartels, Heinz 1954 - 1955
Box 2, Folder 28	Bechtold, Fritz 1947 - 1948
Box 2, Folder 29	Beck, Bruno 1954 - 1986
Box 3, Folder 1	Behnke, Albert R. 1956 - 1985
Box 3, Folder 2	Beischer, D. E. 1956
Box 3, Folder 3	Benford, Robert J. 1963 - 1978
Box 3, Folder 4	Berg, Hedstrom and Company, Incorporated 1956 - 1957
Box 3, Folder 5	Berger, Martin 1975
Box 3, Folder 6	Bergverlag Rudolf Rother 1955 - 1963
Box 3, Folder 7	Bjurstedt, Hilding 1954 - 1965
Box 3, Folder 8	Blockley, W. V. 1952 - 1955
Box 3, Folder 9	Boeing Airplane Company, Seattle Division 1957 - 1958
Box 3, Folder 10	Boothby, Walter M. 1951 - 1954
Box 3, Folder 11	Borosini, August von 1961 - 1962
Box 3, Folder 12	Breidenbach, Warren C. 1958
Box 3, Folder 13	Brendel, Walter 1954 - 1955
Box 3, Folder 14	Buchner, Franz 1939 - 1956
Box 3, Folder 15	Buettner, Konrad 1954 - 1957 General note Includes copy of a circular written by Konrad Buettner addressed to "SAM-paperclips" asking for help in updating information on those who came in the same group from Germany to Texas in 1947.
Box 3, Folder 16	Burchell, Howard B. 1982 - 1989
Box 3, Folder 17	C - Miscellaneous
Box 3, Folder 18	C. V. Mosby Company 1967 - 1971
Box 3, Folder 19	California State University, Sacramento 1977

Box 3, Folder 20	Canada Department of National Defence, Research Board 1950 - 1958
Box 3, Folder 21	Cardus-Pascual, David 1957 - 1963
Box 3, Folder 22	Carlson, Loren D. 1952 - 1957
Box 3, Folder 23	Carter, Earl 1954 - 1958
Box 3, Folder 24	Christensen, Hohwu E. 1954 - 1961
Box 3, Folder 25	Christensen, William L. 1957 - 1976
Box 3, Folder 26	Clark, Robert T. 1953 - 1954
Box 3, Folder 27	Comroe, Julius H. 1952
Box 3, Folder 28	Convair Astronautics 1956 - 1958
Box 3, Folder 29	Cook, John C. 1968 - 1988
Box 3, Folder 30	Cosby, Richard S. 1954 - 1955
Box 3, Folder 31	Cruger, Jorgen O. H. 1961 - 1964
Box 3, Folder 32	D - Miscellaneous
Box 3, Folder 33	Department of Health, Education and Welfare, Social Security Administration 1966 - 1968
Box 3, Folder 34	Deutsche Himalaja Stiftung 1941 - 1951
Box 3, Folder 35	Deutsche Himalaja Stiftung 1952 - 1989
Box 4, Folder 1	deVries, Herbert A. 1973
Box 4, Folder 2	Dewey and Almy Chemical Company 1954 - 1956
Box 4, Folder 3	Dill, David Bruce 1945 - 1985
	General note
	Includes Luft's talk, "Opening Remarks: Famous Fallacies in Altitude Physiology" given at the Symposium in Honor of David Bruce Dill on His Eighty-Eighth Birthday, May 15-17, 1979.
Box 4, Folder 4	Dimond, E. Grey 1953
Box 4, Folder 5	Douglas, Adam R. 1986 - 1987
Box 4, Folder 6	Douglas, C. Gordon 1955 - 1957
Box 4, Folder 7	Drenckhahn, Friedrich Otto 1952 - 1954
Box 4, Folder 8	E - Miscellaneous
Box 4, Folder 9	Eastman Kodak Company 1951 - 1956
Box 4, Folder 10	Ekenberg, Otto 1957
Box 4, Folder 11	Elliott, John C. 1967 - 1980
Box 4, Folder 12	Elstner, Judy 1963 - 1974
Box 4, Folder 13	F - Miscellaneous
Box 4, Folder 14	Farhi, Leon E. 1962 - 1978
Box 4, Folder 15	Fenn, Wallace O. 1952 - 1953
Box 4, Folder 16	Figarola, Tulio 1964 - 1971
Box 4, Folder 17	Filley, Giles F. 1976 - 1989
Box 4, Folder 18	Finkelstein, Silvio 1968 - 1985
Box 4, Folder 19	Fischer and Porter Company 1955
Box 4, Folder 20	Flickenger, Don D. 1950 - 1981
Box 4, Folder 21	Folk, Edgar G. 1968 - 1979
Box 4, Folder 22	Freie Universitat Berlin 1962
Box 4, Folder 23	Fuchs, Heinz S. 1972 - 1989
Box 4, Folder 24	G - Miscellaneous
Box 4, Folder 25	G. S. Marshall Company 1954 - 1955
Box 4, Folder 26	Gauer, Otto 1952 - 1979
Box 4, Folder 27	Gelfan, Samuel 1949 - 1951
Box 4, Folder 28	Geller, Werner 1947 - 1954
Box 4, Folder 29	German Consulate 1952 - 1953
Box 4, Folder 30	Giovannini, Ivo 1987 - 1988
Box 4, Folder 31	Gippenreiter, Eugene 1966 - 1991
Box 4, Folder 32	Graham, William G. B. 1971 - 1981
Box 4, Folder 33	Grumman Aircraft Engineering Corporation 1954 - 1955
Box 5, Folder 1	H - Miscellaneous

Box 5, Folder 2	Hammill, William A. 1965 - 1966 General note Includes typescript copy of "Chronic Carbon Monoxide Intoxication from Cigar Smoking: Report of a Case" by W. A. Hammill.
Box 5, Folder 3	Hans, Rudoph 1955 - 1958 General note Scientific instrument maker.
Box 5, Folder 4	Hartmann, Gertrud 1950 - 1952
Box 5, Folder 5	Hartmann, Karl M. 1967 - 1991
Box 5, Folder 6	Haynes, Boyd Withers 1952
Box 5, Folder 7	Heiland, A Division of Minneapolis-Honeywell 1954 - 1955
Box 5, Folder 8	Hitchcock, Fred A. 1953 - 1961
Box 5, Folder 9	Hoffman, Walter 1954
Box 5, Folder 10	Hollman, Dietrich 1951 - 1953
Box 5, Folder 11	Hopps, Howard C. 1952
Box 5, Folder 12	Horvath, Steven M. 1977 - 1981
Box 5, Folder 13	Houston, Charles S. 1953 - 1991
Box 5, Folder 14	Hubbard, S. Thatcher 1956 - 1958
Box 5, Folder 15	Hurtado, Alberto 1951 - 1971
Box 5, Folder 16	Hydro Tex Corporation 1954
Box 5, Folder 17	I - Miscellaneous
Box 5, Folder 18	Ingham, Harold G. 1951
Box 5, Folder 19	Instrumentation Associates 1957
Box 5, Folder 20	International Academy of Astronautics 1954 - 1990
Box 5, Folder 21	Ivy, John H. 1958
Box 5, Folder 22	J - Miscellaneous
Box 5, Folder 23	Jokl, Ernst 1953 - 1955
Box 5, Folder 24	Joseph, Betty J. 1955 - 1956
Box 5, Folder 25	<i>Journal of Aviation Medicine</i> 1951
Box 5, Folder 26	K - Miscellaneous
Box 5, Folder 27	Karpovich, Peter V. 1955
Box 5, Folder 28	Kellogg, Ralph 1977
Box 5, Folder 29	Kendall, James I. 1953
Box 5, Folder 30	Kessler, Karlheinz 1964 - 1989
Box 5, Folder 31	Kirsch, Karl 1975 - 1985 General note Includes photographs of Franz Buchner, Hans Hartmann, Ulrich Luft, Erich Opitz, Siegfried Ruff, and Hubertus Strughold and of the Luftfahrtmedizinische Forschungsinstitut in the 1930s and 1940s.
Box 5, Folder 32	Klinestiver, Lawrence 1962 - 1970
Box 5, Folder 33	Kobayashi, Yoshio 1978 - 1980
Box 6, Folder 1	Konecci, Eugene B. 1956 - 1958
Box 6, Folder 2	Kramer, Kurt 1950 - 1951
Box 6, Folder 3	Krayer, Otto 1949 - 1951
Box 6, Folder 4	Kreispräsidenten in Lindau 1951 - 1952
Box 6, Folder 5	L - Miscellaneous
Box 6, Folder 6	Lange und Springer 1952 - 1963
Box 6, Folder 7	Larrabee, Charles B. 1980 - 1989
Box 6, Folder 8	Lauschner, Erwin A. 1983
Box 6, Folder 9	Leberecht, Frank 1947 - 1950
Box 6, Folder 10	Leigh, M. Digby 1957 - 1958
Box 6, Folder 11	Lim, Thomas P. K. 1958 - 1987
Box 6, Folder 12	Linderholm, Hakan 1958
Box 6, Folder 13	Loeppky, Jack A. 1969 - 1991

Box 6, Folder 14	Loeschcke, Hans 1948 - 1957 General note Includes typescript draft, "Kohlensauertransport im Hohenklima," notes and graphs.
Box 6, Folder 15	Lorentzen, F. Vogt 1955 - 1958
Box 6, Folder 16	Luft, Claire [granddaughter] 1953
Box 6, Folder 17	Luft, Friedrich C. [son] 1979 - 1988
Box 6, Folder 18	M - Miscellaneous
Box 6, Folder 19	Mackeben, W. 1953
Box 6, Folder 20	Maier-Leibnitz, Heinz 1949 - 1955
Box 6, Folder 21	Marbarger, John P. 1951 - 1957
Box 6, Folder 22	Margaria, Rodolfo 1962 - 1973
Box 6, Folder 23	Mathias Niessen, Geigenbaumeiter, Aachen 1960
Box 6, Folder 24	McIlhaney, Mary Lou 1965 - 1987
Box 6, Folder 25	Mine Safety Appliances Company 1948 - 1958
Box 6, Folder 26	Monge-Medrano, Carlos 1949
Box 6, Folder 27	Morehouse, Laurence E. 1954 - 1957
Box 6, Folder 28	Mostyn, E. Mary 1962 - 1981
Box 6, Folder 29	Muralt, Alexander 1952 - 1954
Box 6, Folder 30	Murray, R. H. 1966
Box 6, Folder 31	Myhre, Loren G. 1966 - 1990
Box 6, Folder 33	N - Miscellaneous
Box 6, Folder 34	National Advisory Committee for Aeronautics 1958 General note Includes press release of President Eisenhower's April 2, 1958, message to the United States Congress on space exploration and the proclamation establishing NASA.
Box 7, Folder 1	National Aeronautics and Space Administration 1965 - 1970 General note Correspondence on appointments as consultant to NASA's Medical Advisory Council.
Box 7, Folder 2	National Aeronautics and Space Administration 1965 - 1980 General note Correspondence on meetings of medical advisors including agenda, proposal and correspondence from George F. Humbert, Albert Miller, Harry F. Walbrecher, and John B. West.
Box 7, Folder 3	New Mexico Academy of Science 1963 - 1969
Box 7, Folder 4	New York Academy of Science 1963 - 1981
Box 7, Folder 5	Noell, Werner K. 1954 - 1956
Box 7, Folder 6	Norlander, Olof A. 1956 - 1988
Box 7, Folder 7	Nunneley, Sarah 1973 - 1975
Box 7, Folder 8	O - Miscellaneous
Box 7, Folder 9	Ohio Chemical and Surgical Equipment Company 1951 - 1953
Box 7, Folder 10	O'Neill, Peter F. X. 1965 - 1976
Box 7, Folder 11	Opitz, Erich 1947 - 1953
Box 7, Folder 12	P - Miscellaneous
Box 7, Folder 13	Petty Laboratories, Incorporated 1951 - 1955
Box 7, Folder 14	Pichotka, Josef P. 1950 - 1953
Box 7, Folder 15	Piiper, Johannes 1983 - 1987
Box 7, Folder 16	Potter, Van R. 1953 - 1978
Box 7, Folder 17	Pugh, Griffith 1962 - 1963
Box 7, Folder 18	Quigley, J. P. 1953
Box 7, Folder 19	R - Miscellaneous
Box 7, Folder 20	Radio Corporation of America 1949 - 1956
Box 7, Folder 21	Rahn, Hermann 1948 - 1991

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- Box 7, Folder 22 **Rao, Venkatadri 1972 - 1980**
Box 7, Folder 23 **Rebitsch, Mathias 1953 - 1954**
Box 7, Folder 24 **Reichel, H. 1944 - 1954**
Box 7, Folder 25 **Reissmann, Kurt R. 1951 - 1956**
Box 7, Folder 26 **Reports to the Reichsminister der Luftfahrt 1942 - 1943**
General note
Regarding high altitude research by the Luftfahrtmedizinische Forschungsinstitut at the Oberwalder Hutte station, some signed by Erich Hippke.
- Box 7, Folder 27 **Robertshaw-Fulton Controls Company 1955**
Box 7, Folder 28 **Ruff, Siegfried 1953 - 1954**
Box 7, Folder 29 **S - Miscellaneous**
Box 7, Folder 30 **Saxton, George A. 1951 - 1955**
Box 8, Folder 1 **Schako, Conrad 1949 - 1954**
Box 8, Folder 2 **Schmidt, Ingeborg 1977**
General note
Includes typewritten copy of her "Bibliography of Aviation Medicine, 1940-1945."
- Box 8, Folder 3 **Schoedel, Wolf 1948 - 1954**
Box 8, Folder 4 **Schwiegk, H. 1950 - 1956**
Box 8, Folder 5 **Sendroy, Julius 1951 - 1953**
Box 8, Folder 6 **Simons, David G. 1958 - 1959**
Box 8, Folder 7 **Sithku, Piyanan 1973 - 1980**
Box 8, Folder 8 **Smith, T. R. 1955**
Box 8, Folder 9 **Smith, Thomas M. 1955 - 1956**
Box 8, Folder 10 **Society for Experimental Biology and Medicine. Southwestern Section 1958 - 1980**
General note
Includes reprint of "Arterial Gas Emboli After Blast Injury" by W. van H. Mason, et al., introduced by U. C. Luft.
- Box 8, Folder 11 **Society of Automotive Engineers. Southern California Section 1954 - 1955**
General note
Includes synopsis of talk by Ulrich Luft "Physiological Aspects of High Altitude Flight".
- Box 8, Folder 12 **Society of the Sigma Xi 1973**
Box 8, Folder 13 **Soehngen, Erich - Electronics Development Laboratory 1954 - 1955**
Box 8, Folder 14 **Spencer, Merrill P. 1956 - 1956**
Box 8, Folder 15 **Springer-Verlag 1954 - 1955**
Box 8, Folder 16 **Statham Laboratories, Incorporated 1954 - 1957**
Box 8, Folder 17 **Stonehill, Robert B. 1958**
Box 8, Folder 18 **Strehler, Allen F. 1953 - 1954**
Box 8, Folder 19 **Strughald, Hubertus 1947 - 1986**
Box 8, Folder 20 **T - Miscellaneous**
Box 8, Folder 21 **Tanner, Charles 1968 - 1988**
Box 8, Folder 22 **Thews, Gerhard 1963 - 1980**
Box 8, Folder 23 **U - Miscellaneous**
Box 8, Folder 24 **Undersea Medical Society, Incorporated 1980 - 1981**
Box 8, Folder 25 **United Kingdom. Royal Air Force. Institute of Aviation Medicine 1956 - 1969**
Box 8, Folder 26 **United States Air Force. School of Aviation Medicine 1949 - 1980**
Box 8, Folder 27 **United States Department of Energy 1978**
General note
Report of the investigation of the fatal accident at the Los Alamos Scientific Laboratory's Van de Graaff Facility, Los Alamos, New Mexico, June 9, 1978.
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Box 8, Folder 28	<p>United States Department of Health and Human Services. Social Security Administration, Disability Determination Unit 1979 - 1980</p> <p>General note</p> <p>Includes Ulrich C. Luft's comments on the proposed new guidelines for disability in applicants with COPD, etc.</p>
Box 8, Folder 29	<p>United States Selective Service System 1952 - 1956</p> <p>General note</p> <p>Order to report for Armed Forces physical examination.</p>
Box 8, Folder 30 Box 8, Folder 31 Box 9, Folder 1 Box 9, Folder 2	<p>University of California, Davis. Extension 1977</p> <p>University of New Mexico 1965 - 1980</p> <p>V - Miscellaneous</p> <p>V. Ray Bennett and Associates, Incorporated 1955 - 1956</p> <p>General note</p> <p>Medical Equipment Research and Development.</p>
Box 9, Folder 3	<p>Verfugung</p> <p>General note</p> <p>Berlin, December, 1939. Photocopies of the order and correspondence to Generaloberst Milch from Fehring (?).</p>
Box 9, Folder 4 Box 9, Folder 5 Box 9, Folder 6 Box 9, Folder 7 Box 9, Folder 8 Box 9, Folder 9 Box 9, Folder 10 Box 9, Folder 11 Box 9, Folder 12 Box 9, Folder 13 Box 9, Folder 14 Box 9, Folder 15 Box 9, Folder 16 Box 9, Folder 17 Box 9, Folder 18	<p>Veteran's Administration Hospitals 1957 - 1982</p> <p>Von Euler, Ulf 1964 - 1983</p> <p>W - Miscellaneous</p> <p>W. B. Saunders Company, (John L. Dusseau, editor) 1955 - 1958</p> <p>Waters Corporation 1952 - 1958</p> <p>Webster, David J. 1967 - 1971</p> <p>Werner, Walter I. 1954</p> <p>West, John B. 1962 - 1987</p> <p>White, Clayton S. 1949 - 1968</p> <p>Wiedemann, Gerhard 1947 - 1956</p> <p>Winterstein, Hans 1955</p> <p>Winzen, Otto C. 1958</p> <p>Wolff's Bucherei 1960 - 1962</p> <p>Wood, Earl H. 1949 - 1989</p> <p>Wright Air Development Center. Air Research and Development Command 1956 - 1957</p> <p>General note</p> <p>Request for proposal.</p>
Box 9, Folder 19 Box 9, Folder 20 Box 9, Folder 21	<p>Y - Miscellaneous</p> <p>Z - Miscellaneous</p> <p>Unidentified correspondents</p> <p>WRITINGS BY ULRICH LUFT</p>

Journal Articles and Papers

Box 9, Folder 22	<p>Publications lists 1943 - 1980</p> <p>Account of Observations at the Site of the Accident Fatal to Dr. and Mrs. Lovelace on December 12th, 1965</p>
Box 9, Folder 23	<p>Part 1. Includes a hand-drawn map of site by Mike Renford</p>
Box 9, Folder 24	<p>Part 2. Includes correspondence, photographs for memorial service, and the W.R. Lovelace Memorial Lecture by U.S. von Euler, June 16th, 1966</p>
Box 9, Folder 25	<p>Acid-Base. Draft undated</p>

Box 9, Folder 26	Action of Epinephrine and Veratramine upon Heart Rate and Oxygen Consumption in Heart-Lung Preparation of Dog, with Kurt Kramer, et al. 1950
Box 9, Folder 27	Acute Effects of Air Blast on Pulmonary Function in Dogs and Sheep, with Edward G. Damon, et al. 1971
Box 9, Folder 28	Acute Hypoxia and Natural Acclimatization 1950
Box 9, Folder 29	Adventures in Hypoxia - Given at symposium on "O2 Transport to Human Tissues" 1982
Box 9, Folder 30	Aerobic Capacity in Relation to Body Size and Composition, with David Cardus-Pascual, et al. Abstract 1960
Box 9, Folder 31	Aerospace Environments 1974
Box 9, Folder 32	Alterations in Lung Compliance and Functional Residual Capacity with Posture, with Thomas P. K. Lim 1959
Box 9, Folder 33	Altitude Physiology: Air Travel in the Jet Age, with Albert H. Schwichtenberg, et al. 1960
Box 9, Folder 34	Altitude Sickness 1961
Box 9, Folder 35	Altitude Tolerance 1950
Box 9, Folder 36	Alveolar Gases in Rapid Decompression to High Altitude, with Hans G. Clamann, et al. 1949
Box 10, Folder 1	Alveolar Hypoventilation. Drafts undated
Box 10, Folder 2	An das fliegende Personal der Luftwaffe werden hochste Anfordeungen gestellt...Untitled typescript undated
Box 10, Folder 3	Anoxic Survival Time of Cerebral Activity in Sudden Exposure to High Altitudes, with Werner K. Noell 1959
Box 10, Folder 4	Arterielle Sauerstoffsattigung im Zeitreserveversuch, with H. Becker-Freyseng, et al. 1939
Box 10, Folder 5	Arztliche Betreuung der englischen und amerikanischen Flieger Nach Berichten von Stabsarzt Dr. Schwerdtfeger und Dozent Dr. U. Luft 1944
Box 10, Folder 6	Arztliche Fragen zum Einsatz neuartiger Kampfmittel der Kriegsmarine, August 3 1944
Box 10, Folder 7	Aufstieg mit Sauerstoffatmung bis 14500. U.K.V. 907, with Hans G. Clamann May 18, 1942
Box 10, Folder 8	Aussprache zum Vortrag von Herrn Th. Benzinger undated
Box 10, Folder 9	Aviation Physiology: The Effects of Altitude. Published in the <i>Handbook of Physiology: Respiration</i>. Volume 2, Chapter 9 1965
Box 10, Folder 10	Beat-By-Beat Stroke Volume Assessment by Pulsed Doppler in Upright and Supine Exercise, with Jack A. Loeppky, et al. Includes correspondence and editorial comments 1981
Box 10, Folder 11	Besonderheiten in der Ernährung des fliegenden Personals 1944
Box 10, Folder 12	Blood Volume and Cardiorespiratory Responses to Lower Body Negative Pressure, with Jack A. Loeppky 1978
Box 10, Folder 13	Blood Volume Regulation. Typescript draft and notes undated
Box 10, Folder 14	Body Density, Fat, and Fat-Free Weight, with Thomas P. K. Lim, et al. 1961
Box 10, Folder 15	Body Temperature Regulation in Hypoxia, with Thomas P. K. Lim 1960
Box 10, Folder 16	Bruno Balke: The Early Years. Typescript undated
Box 10, Folder 17	Capacity for Physical Exertion after Loss of Blood, with Bruno Balke, et al. 1952
Box 10, Folder 18	Carbon Dioxide Transport in the Blood. Handwritten draft with notes and reprints of others undated
Box 10, Folder 19	Cardiac and Metabolic Response of Non-Athletes to Graded Exercise, with E. H. Roorbach, et al. 1957
Box 10, Folder 20	Cardio-Pulmonary Disease: Evaluation and Treatment. Stress Testing as a Means to Evaluate Cardiovascular... Typescript and notes. Also given as a lecture, Sacramento, September 24, 1977 1977
Box 10, Folder 21	Cardio-Pulmonary Dynamics and Electrical Resistance Changes in the Thorax, with Robert D. Allison 1964
Box 10, Folder 22	Cardiovascular and Respiratory Responses to Personnel Suddenly Exposed to Very Low Temperature Windblast, with Albert W. Hetherington, et al. 1951

Box 10, Folder 23	Changes in Alveolar Gas Tensions during Acclimatization at 10,000 Feet and the Effect of the Latter... With A. W. Heatherington, et al. Published in the <i>Symposium on Military Physiology</i>, December 4-6, 1947 1947
Box 10, Folder 24	Changes in Concentration of Nitrogen During Respiratory Cycle Breathing Air, with Bruno Balke, et al. 1951
Box 10, Folder 25	Changes in Lung Compliance and Functional Residual Capacity with Posture, with Thomas P. K. Lim 1958
Box 10, Folder 26	Characteristics of Respiratory Flow and Pressures in Newborn Infants, with Robert F. Goddard, et al. 1961
Box 10, Folder 27	Chronic Obstructive Lung Disease at Moderate Altitude (1600 m) and the Effects of Breathing at Sea Level Draft Methods and Procedures, New Version. Handwritten draft and notes undated
Box 10, Folder 28	Circulation and Respiration Response to Arm Exercise and Lower Body Negative Pressure, with Y. Kobayashi, et al. 1980
Box 10, Folder 29	Closing Volume by Single Breath Nitrogen Washout: A Useful Pulmonary Function Test, with S. V. Rao. Typescript draft and notes
Box 10, Folder 30	Comments on Letter of Dr. R. L. Masland, January 4, 1951. Typescript copy January 22, 1951
Box 10, Folder 31	Comparison of Noninvasive Pulsed Doppler and Fick Measurements of Stroke Volume in Cardiac Patients, with Jack A. Loeppky, et al. 1984
Box 10, Folder 32	Conference on "Effects of CO₂ on Mammalian Tissue". Comments by Ulrich C. Luft at the Conference... Typescript and handwritten draft 1980
Box 10, Folder 33	Considerations on Appraisal of Physical Fitness, with David Cardus-Pascual, et al. 1962
Box 10, Folder 34	Continuous Positive Pressure Breathing in Aviation. Handwritten draft and notes undated
	Contribution of the Haldane Effect to the Rise of Arterial PCO₂ in Hypoxic Patients Breathing Oxygen
Box 10, Folder 35	With Mary Mostyn, et al. 1981
Box 10, Folder 36	Handwritten draft undated
Box 11, Folder 1	Draft submitted to the <i>American Review of Respiratory Disease</i>. Includes correspondence and reviews 1979 - 1980
Box 11, Folder 2	Draft submitted to <i>Critical Care Medicine</i>. Includes correspondence 1980
Box 11, Folder 3	Drafts submitted to the <i>Journal of the American Physiological Society</i>. Includes correspondence and comments 1979 - 1980
Box 11, Folder 4	Old notes. Includes drafts, data, graphs, and undated typescript summary
Box 11, Folder 5	Preliminary miscellaneous notes undated
Box 11, Folder 6	Associated reprints by others with notes by Ulrich Luft
Box 11, Folder 7	Derivation of a Three-Compartment Model. Includes undated typescript, notes and graph
Box 11, Folder 8	Diskussionbemerkung zur Thema Kohlenoxyd 1937
Box 11, Folder 9	Distribution of Ventilation and Diffusion with Perfusion in a Two-Compartment Model Gas Exchange, with Vidal Melo. Published in <i>Oxygen Transport to Tissue</i>, 12 1990
Box 11, Folder 10	Early Detection of Deteriorative Trends in Pulmonary Function 1967
Box 11, Folder 11	Effect of Carboxyhemoglobin on the Carbon Dioxide Combining Curve of Whole Blood, with J. C. Elliott. Typescript copy with abstract 1971
Box 11, Folder 12	Effect of Induced Hypoxia on Thermoregulation and Cardiopulmonary Function, with Thomas P. K. Lim 1963
Box 11, Folder 13	Effect of Lower Body Negative Pressure Release on Hyperpnea Induced by Inhaled Gas, with Jack A. Loeppky 1980
Box 11, Folder 14	Effective Tracheal and Intrathoracic Pressures Obtained with the D-1 Pressure-Demand Regulator, with Richard W. Bancroft 1953
Box 11, Folder 15	Effectiveness of Ventilation in Healthy Adults 1956
Box 11, Folder 16	Effects of Altitude Climates on Human Performance: A Review 1969
Box 11, Folder 17	Effects of Cervical Vagotomy on Pulmonary Ventilation and Mechanics, with Thomas P. K. Lim, et al. 1958

Box 11, Folder 18	Effects of Regional Hemoconcentration During LBNP on Plasma Volume Determinations, with Jack A. Loeppky 1979
Box 11, Folder 19	Eichung der Matthesschen Sauerstoffuhr mit Alveolarluft, with Hermann Becker-Freyseng, et al. 1939
Box 11, Folder 20	Electrocardiogram During and After Exercise in Relation to Serum Electrolytes and pH. Abstract 1970
Box 12, Folder 1	Elimination of Carbon Monoxide by Resting Adult Men. Typescript copy. Includes graphs by Ulrich Luft and associated reprints of others undated
Box 12, Folder 2	Emphysema at Medium Altitude, with Mary E. Mostyn, et al. 1968
Box 12, Folder 3	Entwurf. Typescript drafts 1939
Box 12, Folder 4	Erich Opitz. Includes galley proofs, death notice, text written for memorial service by D. Andersen, and photographs of Erich Opitz and members of his family 1955
Box 12, Folder 5	Evolution of the Hypoxia Warning Device, with Richard W. Bancroft, et al. 1955
Box 12, Folder 6	Expiratory Resistance as Determined from Transthoracic Pressure during Rapid Decompression. Includes typescript, notes and graphs 1955
Box 12, Folder 7	Famous Fallacies in Altitude Physiology 1980
Box 12, Folder 8	Fluctuations in O₂ Stores and Gas Exchange with Passive Changes in Posture, with Jack A. Loeppky 1977
Box 12, Folder 9	Functional Residual Capacity and Elastic Properties of Lungs after Vagotomy, with Thomas P. K. Lim 1958
Box 12, Folder 10	Funktionelle Orthologie der Atmung die Lungenbeluftung und der Alveolare Gasaustausch 1961
Box 12, Folder 11	Gas Exchange and Cardiovascular Functions at Rest and in Exercise under the Effects of Extrinsic... With Bruno Balke, et al. 1953
Box 12, Folder 12	Gaseous Nitrogen Elimination, with Walter M. Boothby, et al. 1952
Box 12, Folder 13	Gravitational Effects on Blood Distribution, Ventilation, and Gas Exchange at the Onset and Termination... With Jack A. Loeppky, et al. Includes correspondence 1978
Box 12, Folder 14	Hans Hartmann. Berlin. Handwritten draft 1962
Box 12, Folder 15	Herstellung von Sauerstoff-Stickstoff-Gemischen. Includes typescript notes. For English translation, see "The Production of Oxygen-Nitrogen Mixtures" 1940
Box 12, Folder 16	Hohenanpassung. Includes correspondence 1941
Box 12, Folder 17	Hohenanpassung am Jungfraujoch
Box 12, Folder 18	I. Mitteilung. Untersuchungen der Atmung und des Blutes... With H. Becker-Freyseng, et al 1942
Box 12, Folder 19	II. Mitteilung. Atemvolumen und Kohlensauresystem bei akutem... With H. Becker-Freyseng, et al. 1942
Box 12, Folder 20	III. Mitteilung. Steigerung der Hohenfestigkeit wahrend der Hohenpassung... With E. Opitz 1942
Box 12, Folder 21	IV. Mitteilung. Umstellung und Annpassung der Atmung in 3500 m Hohe... With H. H. Loeschcke, et al. 1942
Box 12, Folder 22	V. Mitteilung. Die Beteiligung der Niere am Saure-Basenhaushalt... With H. H. Loescheke, et al. 1943
Box 12, Folder 23	Hohenfestigkeit, with Bruno Balke undated
Box 12, Folder 24	Hohenfestigkeit bei Hohenlageversuchen in der U-Kammer und am O₂-N₂-Gemisch, with R. Schwarzbach. Includes galley proofs 1944
Box 12, Folder 25	Hypoxamische Veranderungen des Zentralnervensystems im Experiment, with Franz Buchner 1936
Box 12, Folder 26	Hypoxia: A Clinical-Physiological Approach, with Silvio Finkelstein 1968
Box 12, Folder 27	Hypoxia in Rapid Decompression. Presented at the Panel on Biological Hazards in Manned Orbiting Stations at the International Orbiting Laboratory and Space Science Conference, October, 1969. Includes correspondence 1969
Box 12, Folder 28	Influence of General Hypoxia on Local Cold Injury, with Josef Pichotka 1951
Box 12, Folder 29	Influence of High Altitude upon the Exercise Tolerance, with Bruno Balke undated
Box 12, Folder 30	Influence of Hypoxia on Thermal Homeostasis in Man, with Thomas P. K. Lim 1962
	Instantaneous Stroke Volume in Man during Lower Body Negative Pressure (LBNP), with Jack A. Loeppky. Also given at the Fall Meeting of the American Physiological Society. Includes notes and reprints of others 1979

Box 13, Folder 1	Instructions for Nitrous Oxide Cardiac Output Circuit. Typescript undated
Box 13, Folder 2	Intermittent Positive Pressure-Aerosol Therapy in Pediatrics, with Roy F. Goddard 1956
Box 13, Folder 3	Irreversible hypoxamische Organveränderungen bei alten und jungen Tieren im Unterdruck 1937
Box 13, Folder 4	Irreversible Organveränderungen durch Hypoxämie im Unterdruck 1937
Box 13, Folder 5	K-S Disposable Oxygen Mask, with A. D. Tuttle, et al. 1951
Box 13, Folder 6	Kalte und Kälteschutz im Hochgebirge: Die Erfahrungen der Himalaja-Expeditionen 1942
Box 13, Folder 7	Kohlensäurezusatz zum Sauerstoff in grossen Höhen? With Erich Opitz. Includes draft, notes and unpublished galley proofs 1943
Box 13, Folder 8	Laboratory Facilities for Adaptation Research: Low Pressures 1963
Box 13, Folder 9	Latency of Hypoxia on Exposure to Altitude above 50,000 Feet, with Hans G. Clamman, et al. 1951
Box 13, Folder 10	List of Scientific Equipment in Use with the Department of Physiology that Is the Personal Property of U. Luft 1947
Box 13, Folder 11	Longitudinal Study on Physical Performance of Ten Pilots over a Ten-Year Period, with Sarah A. Nunnally, et al. 1972
Box 13, Folder 12	Luftfahrtmedizinische Forschungsinstitut, Berlin: Erinnerungen. Typescript copy, handwritten draft and notes 1937 - 1945
Box 13, Folder 13	Manifestations of Brief Instantaneous Anoxia in Man, with Werner K. Noell 1956
Box 13, Folder 14	Man's Ceiling as Determined in the Altitude Chamber, with David Bruce Dill. Typescript copy and notes undated
Box 13, Folder 15	Mean Alveolar Gases and Alveolar-Arterial Gradients in Pulmonary Patients, with Jack A. Loeppky, et al. 1979
Box 13, Folder 16	Measurements of Total Circulating Hemoglobin with the Carbon Monoxide Rebreathing Method, with David Cardus-Pascual, et al. 1963
Box 13, Folder 17	Mechanical Analog for Compliance. Handwritten notes and reprints of others
Box 13, Folder 18	Method Proposed by Thews... Handwritten draft and reprints of others undated
Box 13, Folder 19	Mobilization of Red Cells and Oxygen from the Spleen in Severe Hypoxia, with Kurt Kramer 1951
Box 13, Folder 20	Modified Procedure for the Determination of Body Volume by Hydrostatic Weighing, with Thomas P. K. Lim 1961
Box 13, Folder 21	Modified Rebreathing Procedure for Mixed Venous Gas Tensions, with John C. Elliott, et al. 1969
Box 13, Folder 22	Morphologische Bild hypoxamischer Organveränderungen 1938
Box 13, Folder 23	Mountain Sickness, Acute and Chronic. Handwritten draft, notes and reprints of others undated
Box 13, Folder 24	Non-Invasive Evaluation of Left Ventricular Function by Systolic Time Intervals. Handwritten draft with notes and reprints undated
Box 13, Folder 25	Notebook: Anatomy notes and drawings 1929 - 1930
Box 14, Folder 1	Otto Gauer und die Gravitationsphysiologie. Typescript copy of talk given at a symposium for Otto Gauer, May 2, in Berlin. Includes program 1979
Box 14, Folder 2	Oxygen Content and Capacity. Typescript. Includes notes
Box 14, Folder 3	Oxygen Diffusion and Transport in Explosive Decompression, with H. G. Clamann, et al. Published in <i>Symposium on Military Physiology</i> 1947
Box 14, Folder 4	Pathophysiological Changes in the Lungs during Extracorporeal Circulation, with Robert Cartwright, et al. 1962
Box 14, Folder 5	Pathophysiological Sequelae of Bronchopulmonary Lavage in the Dog, with B. A. Muggenburg, et al. 1972
Box 14, Folder 6	Physical Competence of Men from 20 to 45 Years of Age, with Elizabeth H. Roorbach. Abstract 1957
Box 14, Folder 7	Physical Performance in Relation to Body Size and Composition, with David Cardus-Pascual, et al. 1963
Box 14, Folder 8	Physical Performance in Relation to Fat Free Weight in Women Compared to Men, with Frances McGill 1968
Box 14, Folder 9	Physiologic Alterations of Altitude in Aviation. Includes handwritten and typescript drafts 1969

Box 14, Folder 10	Physiological Aspects of Travel by Jet Aircraft: Abstract for Panel on "The Jet Age and Chest Medicine." Typescript copy. Includes "Physiological Aspects of High Altitude Flight: Synopsis," graphs and notes undated
Box 14, Folder 11	Physiological Aspects of Pressure Cabins and Rapid Decompression. Includes handwritten draft and graph 1954
Box 14, Folder 12	Physiological Aspects of Prolonged Flight at High Altitudes and Survival in Emergencies 1953
Box 14, Folder 13	Physiological Limitations in Cabin Environment and Human Adaptations 1952
Box 14, Folder 14	Physiologische Beobachtungen am Nanga Parbat 1937-1938, with Hans Hartmann, et al. 1941
Box 14, Folder 15	Plasma Electrolytes, pH, and the ECG during and after Exhaustive Exercise, with N. Coester, et al. Typescript
Box 14, Folder 16	Possible Mechanisms of Fatal Injury in Rapid Decompression. Notes and correspondence 1968
Box 14, Folder 17	Possible Mechanisms of Fatal Injury in Rapid Decompression from 8,000 to 30,000 Feet Simulated Altitude... Handwritten drafts 1968
Box 14, Folder 18	Principles of Adaptation to Altitude. Presented at the Symposium on Physiological Adaptations: Desert and Mountain, in Honor of David Bruce Dill, University of Nevada, Las Vegas, April 19-20. Includes notes and program 1971
Box 14, Folder 19	Production of Oxygen-Nitrogen Mixtures. Translation of Ulrich Luft's Die Herstellung von Sauerstoff-Stickstoff-Gemischen, 1946 1940
Box 14, Folder 20	Pulmonary Edema: an Abnormal Accumulation of Extra-Vascular Fluid in the Lungs. Handwritten draft with notes undated
Box 14, Folder 21	Pulmonary Function, Body Composition and Physical Fitness of 415 Airline Pilots in Relation to Age 1973
Box 14, Folder 22	Pulmonary Function Tests. Pamphlet issued by the Physiology Department, Lovelace-Bataan Medical Center, with foreword by Ulrich Luft and glossary of terms 1977
Box 14, Folder 23	Pulmonary Nitrogen Clearance as a Criterion of Ventilatory Efficiency, with Elizabeth H. Roorbach, et al. 1955
Box 14, Folder 24	Quantitative Description of Whole Blood CO₂ Dissociation Curve and Haldane Effect, with Jack A. Loeppky, et al. Includes correspondence and comments of referee 1983
Box 14, Folder 25	Rapid Decompression. Submitted to Panel I: Biological Hazards in Manned Orbiting Space Stations, October, 1969. Includes abstract and "Summary of Experiments in Space Cabin Atmospheres, Humans/Animals," by E. M. Roth, 1967 1969
Box 14, Folder 26	Rapid Decompression with Pressure-Demand Oxygen Equipment, with Richard W. Bancroft, et al. Includes notes, graphs and reprints of others 1953
Box 15, Folder 1	Recovery of the Respiratory System Following Blast Injury, with Edward G. Damon, et al. 1970
Box 15, Folder 2	Regulation of Breathing at Altitude in Health and Pulmonary Disease. Handwritten drafts, notes and reprints of others undated
Box 15, Folder 3	Respiratory Atmosphere for Space Cabins. Handwritten draft, notes and reprints. Presented at the University of Iowa, Iowa City undated
Box 15, Folder 4	Respiratory System 1971
Box 15, Folder 5	Review of John F. Fulton's <i>Decompression Sickness: Caisson Sickness, Diver's and Flyer's Bends and Related...</i> Review for the <i>Journal of the American Medical Association</i>. Typescript drafts 1951
Box 15, Folder 6	Review of proposal by Karl E. Schaefer, "CO₂ Effects on Human and Animal Health." Handwritten draft. Includes correspondence 1981
Box 15, Folder 7	Reviews of proposals submitted to the National Science Foundation by various researchers. Includes correspondence 1970 - 1984
Box 15, Folder 8	Sauerstoff auf Hochgebirgspeditionen. Presented at a conference April 21-22, 1939, in Gottingen, Germany 1939
Box 15, Folder 9	Selection and Maintenance Program for Astronauts for the National Aeronautics and Space Administration, with W. Randolph Lovelace, et al. 1962

Box 15, Folder 10	Selection of Astronauts Including Dynamic Testing, with W. Randolph Lovelace, et al. 1965
Box 15, Folder 11	Shifts in O2 Stores with Posture Affecting Apparent O2 Intake, with Jack A. Loeppky. Abstract 1974
Box 15, Folder 12	Simple Measurement of Density Dependence of Total Respiratory Conductance in Young Asthmatic Children, with W. C. Tuttle, et al. Abstract 1978
Box 15, Folder 13	Spirometric Methods. Includes galley proof 1958
Box 15, Folder 14	Standard Ventilation at Altitude. Typescript undated
Box 15, Folder 15	Steigerung der Hohenfestigkeit durch Anpassung 1939
Box 15, Folder 16	Steigerung der Hohenfestigkeit durch naturliche Hohenanpassung fur den Flug uber 12000 m 1944
Box 15, Folder 17	Study of the Physiological Changes in the Lungs during Cardiopulmonary Bypass 1960
Box 15, Folder 18	Thermal Homoiostasis under Hypoxia in Man, with Thomas P. K. Lim. Includes handwritten drafts, notes, graphs, and correspondence 1965
Box 15, Folder 19	Tolerance of Acute Hypoxia after Acclimatization. Paper given in Lima, Peru. Typescript copies with graphs 1949
Box 15, Folder 20	Tolerance to Lower Body Negative Pressure Before and After Acute Dehydration in the Heat, with L. G. Myhre, et al. Includes abstract, outline, notes, and graphs 1976
Box 15, Folder 21	Total Body Water and Lean Body Mass Estimated by Ethanol Dilution, with Jack A. Loeppky, et al. 1977
Box 15, Folder 22	Transthoracic Pressure in Man during Rapid Decompression, with Richard W. Bancroft. Includes typescript drafts and notes 1956
Box 15, Folder 23	Use of the Forced-Oscillation Method to Determine Total Respiratory Conductance in Healthy Subjects... Typescript copy undated
Box 15, Folder 24	Validation and Application of Single Breath Cardiac Output Determinations in Man, with Jack A. Loeppky, et al. Includes typescript copy, abstract and two photocopied pages (759 and 753) of published article 1985
Box 15, Folder 25	Verbesserung der Hohenfestigkeit durch Anpassung 1942
Box 15, Folder 26	Versuche mit einem Stratospharen-Uberdruckhelm, with Hans G. Clamann 1944
Box 15, Folder 27	William Randolph Lovelace II, 1907-1965. Written for Astronautica ACTA 1966
Box 15, Folder 28	Winter Survival and Rescue. Presented at the American College of Sports Medicine Conference, Albuquerque, New Mexico, May 9, 1970
Box 16, Folder 1	Work Capacity after Blood Donation, with Bruno Balke, et al. 1954
Box 16, Folder 2	Work Capacity, Exercise Responses and Body Composition of Professional Pilots in Relation to Age, with Jack A. Loeppky, et al. 1989
Box 16, Folder 3	Zur Durchfuhrung von Hohenfestigkeitsprufungen bei der Truppe. Typescript copy 1940
Box 16, Folder 4	Zur Medikamentosen Leistungssteigerung im Hochgebirge 1944
Box 16, Folder 5	Zur Verwendung von Hohenatemgeraten auf Himalajaexpeditionen 1941
Box 16, Folder 6	Zweiter Bericht zur Hohenanpassung fur fliegende Besatzungen und ihre Erhaltung durch wiederhaltes U-Kammer... Typescript copy 1943

NASA Research Reports

Box 16, Folder 7	Final Report: Contract NASA 9-7009. May, 1967 - November, 1969 1970
Box 16, Folder 8	Research Report. Contract: NASA 9-7009. Prepared by Ulrich Luft and S. Finkelstein, et al. December 28, 1971
	Research Report on: Specialized Physiological Studies in Support of Manned Space Flight
Box 16, Folder 9	Contract NAS 9-12572. Prepared by Ulrich Luft, with L. G. Myhre, et al. Includes notes 1973
Box 16, Folder 10	Contract: NAS 9-12572. Prepared by Ulrich Luft, with Jack A. Loeppky, et al. Includes notes and drafts 1974
Box 16, Folder 11	Contract: NAS 9-[14472]. Prepared by Ulrich Luft, with Jack A. Loeppky, et al. 1975

Box 16, Folder 12	Contract NAS 9-14920. Final Report, December, 1977. Prepared by Ulrich Luft, with Jack A. Loeppky, et al. 1977
Box 16, Folder 13	Contract: NAS 9-15483, December, 1978. Prepared by Ulrich Luft, with Jack A. Loeppky, et al. Includes correspondence 1978
Box 17, Folder 1	Contract: NAS 9-15483. Final Report, July, 1980. Prepared by Ulrich Luft, with J.A. Loeppky, et al. Includes correspondence 1980

EXPERIMENTAL RESEARCH MATERIAL

Notes and Data

Box 17, Folder 2	Aging - Exercise - Body Composition. Notes and charts
Box 17, Folder 3	Alveolar-Arterial Gas Pressure Difference, Oxygen and Carbon Dioxide (AaDO₂ and AaDCO₂). Graphs
Box 17, Folder 4	Correcting P_cO₂ for Body Temperature. Graphs and nonogram
Box 17, Folder 5	Dead Spaces. Calculations and graph
Box 17, Folder 6	Exercise-Induced Asthma (E.I.A.)
Box 17, Folder 7	Flow Volume Contours - Luft. Based on Ulrich Luft's tests on himself. See Series 4C Pulmonary Function and Exercise Data on U. Luft
Box 17, Folder 8	Hg Strain Gauge and Digital Plethymograph. Schedule of Tests
Box 17, Folder 9	Hypothermia and Carbon Dioxide
Box 17, Folder 10	Impedance Plethmography. Small Bagno Unit
Box 17, Folder 11	Luftpumpe. Specifications, etc. 1972
Box 17, Folder 12	Oxygen Carbon Dioxide Diagrams. Preliminary. (AaDO₂ AaDCO₂)
Box 17, Folder 13	Phosphate Buffer for Calibrating pH Meter. Charts
Box 17, Folder 14	Pulmonary Functions. Experiment. Notes, data and tables
Box 17, Folder 15	Rapid Decompression. Calculation and Data
Box 17, Folder 16	Residual Air - Expansion Method. Includes typescript of results, notes, data, and graphs
Box 17, Folder 17	SCUBA
Box 17, Folder 18	Cold and Compartments
	Sea Level Study
Box 17, Folder 19	Summary tables and graphs 1970 - 1979
Box 17, Folder 20	Tables 1-3
Box 17, Folder 21	Single Breaths on Q Patients. Graphs
Box 17, Folder 22	Test Pilots - Astronauts
Box 17, Folder 23	Versuch zur Alv.-Luft-Entnahme auf 14000 m Hohe. U.K.V. 676. Berlin, February 25 1941
Box 18, Folder 1	Leather pouch set of index cards
Box 18, Folder 2	Mixed index cards
Box 19, Folder 1	Mixed index cards, continued

Index Cards and Graphs

Box 19, Folder 2	AaD
Box 20, Folder 1	Rapid Decompression (PES)
Box 21, Folder 1	Rapid Decompression Records. School of Aviation Medicine, 55,000 feet 1953
Box 22, Folder 1	Tuc with EEG. November 1953

Pulmonary Function and Exercise Data on U. Luft

Box 23, Folder 1	Pulmonary Function Tests 1954
Box 23, Folder 2	Pulmonary Function Tests - Open System 1954
Box 23, Folder 3	Pulmonary Function Tests - N₂ Elimination Test 1954 - 1956
Box 23, Folder 4	Pulmonary Function Tests. March 16 1954
Box 23, Folder 5	Pulmonary Function Tests. July 26 1954
Box 23, Folder 6	Pulmonary Function Tests. September 23 1954

Box 23, Folder 7	Pulmonary Function Tests. January 28 1955
Box 23, Folder 8	Pulmonary Function Tests. March 3 1956
Box 23, Folder 9	Pulmonary Function Tests. January 20 1958
Box 23, Folder 10	Pulmonary Function Tests. May 18 1959
Box 23, Folder 11	Pulmonary Function Tests. March 25 1960
Box 23, Folder 12	Pulmonary Function Tests - Tissue N2. February 10 1961
Box 23, Folder 13	Pulmonary Function Tests. March 7 1961
Box 23, Folder 14	Pulmonary Function Tests. May 5 1961
Box 23, Folder 15	Pulmonary Function Tests. December 11 1961
Box 23, Folder 16	Pulmonary Function Tests 1963 - 1967
Box 23, Folder 17	Pulmonary Function Tests. February 25 1963
Box 23, Folder 18	Pulmonary Function Tests. November 6 1963
Box 23, Folder 19	Pulmonary Function Tests. September 23 1964
Box 23, Folder 20	Pulmonary Function Tests 1966 - 1976
Box 23, Folder 21	Pulmonary Function Tests - New nitrolizer tests (ZOZAR). August 4 1966
Box 23, Folder 22	Pulmonary Function Tests - Old nitrolizer tests - nitrogen washout only. August 16 1966
Box 23, Folder 23	Pulmonary Function Tests. August 9 1968
Box 23, Folder 24	Pulmonary Function Tests. November 15 1968
Box 23, Folder 25	Pulmonary Function Tests 1973 - 1976
Box 23, Folder 26	Pulmonary Function Tests. January 15 1975
Box 23, Folder 27	Pulmonary Function Tests. March 15 1979
Box 23, Folder 28	Pulmonary Function Tests. June 20 1980
Box 23, Folder 29	Pulmonary Function Tests - Exercise Test 1956 - 1971

Subject Files

Box 24, Folder 1	2, 3 DPG and HbO₂ Equilibrium Curve
Box 24, Folder 2-3	Acclimatization
Box 24, Folder 4-5	Acclimatization to Altitude - General
Box 24, Folder 6	Acclimatization to Altitude II - Gas Exchange at Altitude - Mechanics
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Box 24, Folder 8	Acid-Base Balance Definitions
Box 24, Folder 9-10	Acid-Base Clinical
Box 24, Folder 11	Adaptation to Altitude. Reviews
Box 25, Folder 1	Aging - Exercise - Body Composition
Box 25, Folder 2	Air-Flow: Upper Respiratory Passages - Dead Space
Box 25, Folder 3	Airway Diffusion and Convection
Box 25, Folder 4	Altitude and Exercise (Cardiovascular)
Box 25, Folder 5	Alveolar-Arterial Difference in Oxygen Tension (AaDO₂)
Box 25, Folder 6	Alveolar-Arterial Difference in Oxygen Tension (AaDO₂) in Cirrhosis
Box 25, Folder 7	Alveolar-Arterial Gaseous Exchange Diffusion Constant of Whole Lung (AAw-Ave-DO₂-DcO)
Box 25, Folder 8	Alveolar-Arterial Gradients - Literature in German
Box 25, Folder 9-10	Alveolar and "Physiological" Dead Space - Effects of Increased PIO₂ on Functional Compartments
Box 25, Folder 11	Arterial Difference in Carbon Dioxide and Alveolar Arterial Difference in Oxygen Tension (ADCO₂ and AaDO₂) - Sea Level Study, Literature 1970 - 1971
Box 25, Folder 12	Blood Volume Regulation
Box 25, Folder 13	Bohr Effect - Haldane Effect
Box 25, Folder 14	Boiling. Notes
Box 25, Folder 15	Cabin Pressure Schedule, B-47
Box 26, Folder 1	Carbon Dioxide Analyzer (URAS)
Box 26, Folder 2	Carbon Dioxide Exercise Literature
Box 26, Folder 3	Carbonic Anhydrase Inhibition - Diamox
Box 26, Folder 4	Cerebrospinal Fluid Acid-Base at Altitude
Box 26, Folder 5	Closing Volume, Literature. Reprints

Subject Files

Box 26, Folder 6	Comet. Two articles on Comet aircraft disasters 1954 - 1954
Box 26, Folder 7	Continuous Positive Pressure Breathing - Clinical
Box 26, Folder 8	Decompression. Reprints of articles by F. A. Hitchcock and others
Box 26, Folder 9	Diffusing Capacity of Carbon Monoxide (DLCO)
Box 26, Folder 10	Doppler (PDE) Echocardiographs
Box 26, Folder 11	Dysbarism
Box 27, Folder 1	Effect of Oxygen and Carbon Dioxide on A-aD and Raw
Box 27, Folder 2	Electrolytes
Box 27, Folder 3	Endogenous Carbon Monoxide
Box 27, Folder 4	Estimation of Body Density by Hydrostatic Weighing (Archimedes' Principle)
Box 27, Folder 5-6	Exercise Training
Box 27, Folder 7	Explosive Compression, Decompression and Recompression. Includes articles by Hansjorg Kolder and others
Box 27, Folder 8	Flow Volume - Literature
Box 27,	Forced Oscillation
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Box 27, Folder 11	Glomectomy: Mrs. Parker. Includes notes by Ulrich Luft
Box 27, Folder 12	Hemoglobin, Hematocrit, Blood Volume at Medium Altitude
Box 27, Folder 13	High Altitude Pulmonary Edema
Box 27, Folder 14	Hyperoxia and Exercise
Box 27, Folder 15	Hyperventilation and Embolism
Box 27, Folder 16	Inert Gas Elimination Technique, with John West, et al.
Box 27, Folder 17	Lactic Acid, etc
Box 28, Folder 1-5	Miscellaneous Annotated Reprints of Others
Box 28, Folder 6	Monge's Disease
Box 28, Folder 7	Nitrogen (N2) Washout
Box 29, Folder 1-2	Oxygen Half-Saturation of Hemoglobin (P50) - 2,3 DPG, etc
Box 29, Folder 3	Oxygen Half-Saturation of Hemoglobin (P50) with II-182
Box 29, Folder 4-5	Oxygen Uptake (VO2) Maximum - Training and Bedrest
Box 29, Folder 6	Patients at Altitude
Box 29, Folder 7	pH - Bicarbonate PcO2 POC-Buffer Diamox
Box 29, Folder 8	Physiology - Early Detection of Obstruction
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Box 29, Folder 12	Physiology - Pulmonary Mechanics, reprints
Box 29, Folder 13	Potassium and Altitude Sickness
Box 29, Folder 14	Pressure Breathing - Continuous Positive Pressure
Box 30, Folder 1	Pulmonary Function. Normal Standards - Literature
Box 30, Folder 2-3	Pulmonary Function Notes. Miscellaneous
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Box 30, Folder 11	Rebreathing Project (Mixed Venous O2). CO2 Rebreathing and CO2 Capacity of Lungs
Box 31, Folder 1	Regulation of Breathing
Box 31, Folder 2	Regulation of Ventilation at Altitude. Includes notes
Box 31, Folder 3	Screening Tests for Obstructive Disease Exclusive of CV
Box 31, Folder 4	Sjostrand Methods. Total Circulating Hemoglobin
Box 31,	Tables, graphs, et al., for values and calculations
Folder 5-9,	
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Box 31, Folder 10	Why Does Os/O+ Become Smaller at Sea Level?

Prints, Slides and Films

Box 32, Folder 1	Aging - Slides
Box 32, Folder 2	Exercise and Carbon Dioxide - Slides
Box 32, Folder 3	Fifty-Five Thousand Feet, 12 Seconds - Rapid Decompression - 16 mm. film. Folder also contains DVD viewer copy of collection films
	Conditions Governing Access
	Restrictions Apply. Viewing copy must be used in place of film.
Box 32, Folder 4	G-Forces in Monkey - Otto Gauer - 16 mm film
	Conditions Governing Access
	Restrictions Apply. Viewing copy, located in Box 32, Folder 3, must be used in place of film.
Box 32, Folder 5	Hypoxia, Temperature - Slides
Box 32, Folder 6	Lovelace Medical Foundation. Laboratory prints ca. 1960
Box 32, Folder 7	Lower Body - Slides
Box 32, Folder 8	Luft-Gauer - Slides 1979
Box 32, Folder 9	Manned Spacecraft Center's Sixteen Astronauts - Prints
Box 32, Folder 10	Pressure Chamber - Prints
Box 32, Folder 11	Slides for Anaheim, Ulrich Luft and Loren G. Myhre - Slides
Box 32, Folder 12	Tests on Astronauts - Slides
Box 32, Folder 13	United States Air Force. School of Aviation Medicine
	Prints. Includes members of the Air University's Seventh Board of Visitors.
	Also, Dr. Boothby with General Benson January and March, 1951
Box 32, Folder 14	Exercise Testing - Slides
Box 32, Folder 15	Miscellaneous prints

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Box 33, Folder 5	Altitude, Acclimatization - Miscellaneous
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Box 34, Folder 2	Circulation
Box 34, Folder 3	Closing Volume
Box 34, Folder 4	CO (carbon monoxide)
Box 35, Folder 1	CO (carbon monoxide), continued
Box 35, Folder 2	Continuous Positive Pressure Breathing - PEEP
Box 35, Folder 3	Distribution of VA - PFs
Box 35, Folder 4-5	Exercise and CO2
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Box 36, Folder 3	Hemoglobin, CO Hb, P50
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Box 37, Folder 1	Lower Body Negative Pressure and Heat, continued
Box 37, Folder 2	McGill Study
Box 37, Folder 3	Mechanics of Breathing
Box 37, Folder 4	Miscellaneous Historical
Box 37, Folder 5	Pediatric Pulmonary Function
Box 37, Folder 6	Rapid Decompression, Bends
Box 37, Folder 7	Regulation of Breathing
Box 37, Folder 8	Temperature
Box 38, Folder 1	Temperature, continued
Box 38, Folder 2	TBW [Total Body Weight?] 1975 - 1976
Box 38, Folder 3	United States Air Force. School of Aviation Medicine. Micro Folio

TEACHING MATERIAL

- Box 39, Folder 1 **Biology 251. Special Problems: Atmospheric Ions. Spring 1964**
- Box 39, Folder 2 **Biology 430L. Vertebrate Physiology: Respiratory System. Includes course outline and notes 1966 - 1970**
- Box 39, Folder 3 **Cheyne-Stokes Breathing and the Cause of Sleep Apnea. Medicine Grand Rounds. Includes reading list, notes and reprints of others August 13, 1981**
- Box 39, Folder 4 **Discussion of Apparent Reduction of QS/QT on Going from Albuquerque to Sea Level. Notes and reprints undated**
- Box 39, Folder 5 **First Year Curriculum. Pulmonary Section: Altitude Physiology. Includes course outline, notes, typescript, and list of slides 1963 - 1968**
- Box 39, Folder 6 **Hematology Seminar. Hemoglobin. Notes June 9, 1971**
- Box 39, Folder 7 **Pathophysiology of Chronic Obstructive Disease. Notes April 1974**
- Box 39, Folder 8 **Pulmonary 1 Block. Includes course schedule and outline, notes, bibliography, and reprint 1974 - 1985**
- Box 39, Folder 9 **Pulmonary Function Course, Second Year Medicine. Notes January 21, 1977**
- Box 39, Folder 10 **Pulmonary Seminars. Includes course outlines, reading lists and material for the Chest Fellows Seminars, 1975-1976 1975 - 1982**
- Box 39, Folder 11 **Seminar. Advanced Respiratory Physiology: Acid Base Balance. Includes reading list, notes and graphs October 15, 1977**
- Box 39,
Folder 12-13 **Seminar. Gas Exchange 1979 - 1980**
- Box 40, Folder 1 **Seminars. Concepts and Calculations in Respiratory Gas Exchange. Includes notes and definitions of symbols 1979 - 1980**
- Box 40, Folder 2 **Ventilation/Flow Lines for Albuquerque. Course assignments and graphs undated**
- Box 40, Folder 3 **Veterans Administration Seminar. Includes notes and reprints of others February 1975**

HIGH ALTITUDE EXPEDITIONS

Nanga Parbat, 1937

- Box 40, Folder 4 **Bauer, Paul. "Nanga Parbat 1937." Article in German undated**
- Box 40, Folder 5 **Hartmann, Hans. "Tagebuchblätter von Hans Hartmann: Deutsche Himalaja Expedition 1937 zum Nanga Parbat." Typescript copy of Hans Hartmann's diary 1937**
- Box 40, Folder 6 **Invitations to memorial services for the members of the German Nanga Parbat expedition. Held at Friedrich Wilhelm University and the German Himalaya Foundation, Berlin. Includes program and typescript of remarks by Ulrich Luft December 10 & 12, 1937**
- Box 40, Folder 7 **Luft, Ulrich. "Expedition Vortrag" 1937**
- Box 40, Folder 8 **Luft, Ulrich. "Ganz Deutschland hielt den Atem an, als die Nachricht durch die Welt ging..." Munich 1937**
- Box 40, Folder 9 **Luft, Ulrich. "Lichtbilder Vortrag um Ufa Palast in Berlin im Herbst." Typescript. Includes two versions of a photograph shotlist 1937**
- Box 40, Folder 10 **Luft, Ulrich. "Nach der Unglucksnacht am Nanga Parbat" 1937**
- Box 40, Folder 11 **Luft, Ulrich. "Nanga Parbat." Published in *Bucherkunde*, November, 1937 [?]**
- Box 40, Folder 12 **Luft, Ulrich. Notebook: Meteorologie am Nanga Parbat I 1937**
- Box 40, Folder 13 **Luft, Ulrich. Notebook. Nanga Parbat: Physiologie I. With Hans Hartmann April 15 - June 1, 1937**
- Box 40, Folder 14 **Luft, Ulrich. Notebook. Nanga Parbat: Physiologie 2. With Hans Hartmann June 2 to September 6, 1937**
- Box 40, Folder 15 **Luft, Ulrich. Notebook. Nanga Parbat Expeditions Tagebuch I 1937**
- Box 40, Folder 16 **Luft, Ulrich. Notebooks. Nanga Tagebuch 2 and Nanga Parbat. Bound together. Includes original leather case 1937 - 1938**
- Box 40, Folder 17 **Luft, Ulrich. Pressdienst Degeto, Dezember. See also 6B) Nanga Parbat 1938. Kampf um den Himalaja... for published version 1937**

Box 40, Folder 18	Luft, Ulrich. Rawalapindi, den 9 August. Includes published English translation 1938
Box 40, Folder 19	Miscellaneous material, Nanga Parbat expedition. Includes Karl Wien's last letter to Ulrich Luft, photograph of Hans Hartmann, sketch of Lager IV by Lieutenant Smart, notes, data, and a newspaper account of the avalanche by Fritz Bechtold 1937
Box 41, Folder 1	Nanga Parbat. Handwritten English translations of articles from German newspaper accounts of the expedition. Includes copies of English and German newspaper reports on the disaster 1937
Box 41, Folder 2	Newspaper clippings on the Nanga Parbat expedition. In English and German 1937
Box 41, Folder 3, Oversize FB-227-04	Newspaper clippings on the Nanga Parbat expedition. In German 1937

Nanga Parbat, 1938

Box 41, Folder 4	Luft, Ulrich. "Am Morgen des 6. Juli 1934 stand die kleine Schaar deutscher Bergsteiger... 1938
Box 41, Folder 5	Luft, Ulrich. "Auf dem Wege zum 'Konig der Berge.'" Includes cover letter to Bruno E. Werner 1938
Box 41, Folder 6	Luft, Ulrich. "Eingeschneit im Lager 4!" 1938
Box 41, Folder 7	Luft, Ulrich. "Expeditions Vortrag" 1938
Box 41, Folder 8	Luft, Ulrich. "Fels der Erinnerung" 1938
Box 41, Folder 9	Luft, Ulrich. "Heimat des Schnees" 1938
Box 41, Folder 10	Luft, Ulrich. "Mehr als sechs Wochen waren wir unterwegs..." 1938
Box 41, Folder 11	Luft, Ulrich. Notebooks: Wissenschaft - Nanga Parbat I 1938
Box 41, Folder 12	Luft, Ulrich. Notebooks: Wissenschaft - Nanga Parbat 2 1938
Box 41, Folder 13	McKenna, L[ieutenant]. Diary. Notes on weather conditions, camps, and climbing activities on Nanga Parbat, June 3-13 1938
Box 41, Folder 14	Meteorologie. Weather data collected by Rolf von Klingensperg. Includes correspondence between Joachim Kuttner and the Deutsche Himalaja Stiftung 1938
Box 41, Folder 15	Mitteilungen der Deutschen Himalaja Stiftung. Includes typescript copies of telegrams sent by Paul Bauer and Alexander Thoenes from Srinagar and several expedition campsites 1938
Box 41, Folder 16	Nanga Parbat. 16 mm film. Untitled original footage, black and white silent film. Includes VHS videotape transfer 1938 Conditions Governing Access Restrictions Apply. Viewing copy, located in Box 32, Folder 3, must be used in place of film.
Box 41, Folder 17	Nanga Parbat. Kampf um den Himalaja: Die Deutsche Nanga-Parbat-Expedition, 1937, a pamphlet about the film. Includes unsigned copy of speech to audience, May 20, 1938, correspondence, and the published version of Ulrich Luft's "Pressedienst" 1938
Box 41, Folder 18	Nanga Parbat, Berg de Kameraden: Tagebucher der Deutschen Himalaja-Expedition. Herausgegeben von der Deutschen Himalaja-Stiftung, Munchen. Mit einem Vorwort von Paul Bauer. With contributions by Ulrich Luft. Also includes four photographs of a plaster bust of the expedition leader, Karl Wien 1938
Box 42, Folder 1 Box 42, Folder 2, Oversize FB-227-03	Newspaper clippings on the Nanga Parbat expedition. In English and German 1938 Newspaper clippings on the Nanga Parbat expedition. In German 1938
Box 42, Folder 3	Photographs Lantern slides. Includes map of western Himalayas, mountain scenes and climbers
Box 42, Folder 4	Nanga Parbat album. Photocopies of album prints in numbered sequence 1938

Box 42, Folder 5	Nanga Parbat album. Prints numbered in album sequence, showing aircraft, supply drop, aerial views, village scenes with people and animals, campsites and equipment, individual climbers and groups, monument to those who died on Nanga Parbat, and expedition members on board ship and in train station 1938
Box 42, Folder 6 Box 42, Folder 7	Nanga Parbat. List of technical descriptions for photographs undated Prints, slides and negatives of village and mountain scenes, expedition climbers, campsites. Many have Ulrich Luft's annotations. Includes a photocopy of a published photograph with caption, "These nine men failed to climb Nanga Parbat..."
Box 42, Folder 8	Thermographic data 1938
Box 42, Folder 9, Oversize MC-035-07	Vegetationskarte der Nanga-Parbat-Gruppe (Nordwest-Himalaja). Aufgenommen von Carl Troll... Map 1938

Nanga Parbat, 1942-1989

Box 42, Folder 10	Information pamphlets on Afghanistan and the Caucasus. In German 1942
Box 42, Folder 11	Luft, Ulrich. "Heimat des ewigen Schnees" 1947
Box 42, Folder 12	Luft, Ulrich. "Medical Research on Nanga Parbat." Includes notes, drafts and correspondence 1988
Box 42, Folder 13	Newspaper clipping. In German 1949

Miscellaneous

Box 42, Folder 14	American K-2 Expedition. Two postcards of K-2 signed by expedition members 1975 - 1978
Oversize AB-07-F01	Ice axe
Box 42, Folder 16	Oberwalder Hutte, Gron Glockner. Prints. High altitude research station of the Luftfahrtmedizinische Forschungsinstitut in the Alps 1943
Box 42, Folder 17	Jungfrauoch. Photograph (1939) and postcard (1960)

WRITINGS OF OTHERS

Box 43, Folder 1-2	AiResearch Manufacturing Company 1945, 1956
Box 43, Folder 3	Altmann, Hans-Werner 1941
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Box 43, Folder 5	Asher, L. 1929
Box 43, Folder 6	Ausschuss Flugzeugkonstruktion 1941
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Box 43, Folder 8	Bartels, Heinz 1949
Box 43, Folder 9	Basler, Adolf 1944
Box 43, Folder 10	Becker, Hermann 1936 - 1939
Box 43, Folder 11	Becker-Freyseng, Hermann 1944
Box 43, Folder 12	Behnke, Albert R. undated
Box 43, Folder 13	Benzinger, Theodor 1934 - 1944
Box 43, Folder 14	Berry, Herbert L. 1953
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Box 43, Folder 20	Borgard, Werner 1934 - 1936
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Box 43, Folder 24	Buchinger, Otto 1935
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Box 43, Folder 27	Chiodi, Hugo 1952
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Box 44, Folder 1	Clamann, H. G. 1937 - 1940
Box 44, Folder 2	Cremer, Hans-Diedrich 1943
Box 44, Folder 3	Cremer, Werner 1929
Box 44, Folder 4	Croce, Tommaso Lo Monaco 1948
Box 44, Folder 5	Dichmann, Adam 1939
Box 44, Folder 6	Dienst, C. 1943
Box 44, Folder 7	Diringshofen, H. von 1932 - 1937
Box 44, Folder 8	Doring, Gerd K. 1944 - 1948
Box 44, Folder 9	Doring, H. 1941 - 1942
Box 44, Folder 10	Douglas, C. Gordon 1913
Box 44, Folder 11	Dunker, E. 1941 - 1943
Box 44, Folder 12	Ehrismann, O. 1934
Box 44, Folder 13	Enghoff, Henrik 1949
Box 44, Folder 14	Euler, U. S. 1937 - 1939
Box 44, Folder 15	Fasciolo, Juan Carlos 1949
Box 44, Folder 16	Feinberg, R. S. 1937
Box 44, Folder 17	Fleisch, Alfred 1931
Box 44, Folder 18	Frank, E. 1948
Box 44, Folder 19	Gauer, Otto H. 1936 - 1941
Box 44, Folder 20	Gedenkfeier fur F. H. Rein und E. Opitz 1954

General note

Im Physiologischen Institut der Universitat Gottingen. Introduction and closing remarks by F. Schutz and remarks by Max Schneider (Rein) and Rudolf Thaier (Opitz).

Box 44, Folder 21	Gillert, Ernst 1933
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General note

Unpublished galley proofs.

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Box 45, Folder 10	Kaiser, W. 1928
Box 45, Folder 11	Kalk, Heinz undated
Box 45, Folder 12	Kaunitz, Hans 1936
Box 45, Folder 13	Kiese, Manfred 1941 - 1942
Box 45, Folder 14	Kleinschmidt, Karl 1947
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Box 45, Folder 22	Liechti, Margaret 1934

Box 45, Folder 23	Lockheed Aircraft Corporation 1956 General note Prepared by E. E. Gibbens.
Box 45, Folder 24	Loeppky, Jack A. 1980 General note "With Contributions by Ulrich C. Luft." Includes correspondence between Ken Barnhill and Waneta C. Tuttle.
Box 45, Folder 25	Loeschcke, Hans H. 1939 - 1956
Box 45, Folder 26	Loewy, A. 1892 - 1933
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Box 46, Folder 12	Muralt, Alexander 1934 - 1937
Box 46, Folder 13	Neergard, K. V. 1926
Box 46, Folder 14	Netter, H. 1939
Box 46, Folder 15	Nick, Georg Heinrich 1914
Box 46, Folder 16	Noell, Werner K. 1942 - 1944
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Box 46, Folder 21	Pichotka, Josef 1942
Box 46, Folder 22	Prusik, Karl 1940
Box 46, Folder 23	Ranke, Otto F. 1931 - 1936
Box 47, Folder 1	Regener, Erich 1939
Box 47, Folder 2	Rein, Hermann 1925 - 1946
Box 47, Folder 3	Rotamesser 1944
Box 47, Folder 4	Sarre, H. 1935
Box 47, Folder 5	Schennetten, F. 1944
Box 47, Folder 6	Schmeiser, Kurt undated
Box 47, Folder 7	Schoedel, W. 1950
Box 47, Folder 8	Scholtz v. Mereny, G. 1942
Box 47, Folder 9	Schutz, Erich 1929 - 1945
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Box 47, Folder 11	Stigler, Robert 1919 - 1927
Box 47, Folder 12	Strughold, Hubertus 1926 - 1954
Box 47, Folder 13	Symposium Internacional Sobre Biologia de Altitud, Lima, Peru 1949
Box 47, Folder 14	Thauer, R. 1940
Box 47, Folder 15	Thorner, Melvin W. 1944
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Box 47, Folder 17	Tragbares Atemgerat mit Kohlensaurezustatz 1943
Box 47, Folder 18	Valdivia, Enrique 1954
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Box 47, Folder 20	Venters, Michael D. 1979
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Box 48, Folder 1	Warburg, Otto 1931
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Box 48, Folder 12	Zaeper, Gunther 1936
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Box 48, Folder 14	Zimmer, Karl G. 1941
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Box 48, Folder 18	Unpublished papers by unidentified authors at the end of World War II
Box 48, Folder 19	Untitled report concerning exposure to cold during flight. In German
	MEDICAL APPARATUS
Box 49, Folder 1	Miscellaneous small instruments for gathering and measuring physiological data. Includes flow volume calculator, pulse timer
	ORIGINALS OF PRESERVATION PHOTOCOPIES
Box 50, Folder 1	Box 1 Folder 12 to Box 3 Folder 24 Restrictions Restrictions Apply
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Box 50, Folder 3	Box 7 Folder 19 to Box 15 Folder 18 Restrictions Restrictions Apply