
Ulrich Cameron Luft Papers

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Descriptive Summary

Creator: Luft, U. C. -- (Ulrich C.)

Title: Ulrich Cameron Luft Papers,

Date (inclusive): 1907-1991

Extent: 19.80 linear feet(38 archives boxes, 11 card files, 1 record carton, 4 oversize folders, and 1 art bin item.)

Abstract: Papers of Ulrich Cameron Luft, 1910-1991. A research physiologist and physician, Luft was an authority in the fields of lung physiology and acclimatization to high altitude. He took part in the 1937 and 1938 German expeditions to Nanga Parbat in the western Himalayas and was chief of the Department of Aviation Physiology at the Aero-Medical Research Institute in Berlin during World War II. He came to the United States in 1947 under the "Operation Paperclip" recruitment program and was the head of the Department of Physiology at the Air Force School of Aviation Medicine, Randolph Field, Texas, and the Lovelace Medical Foundation in New Mexico. He was also active as a project consultant, teacher and clinician. The collection contains material documenting his years in Germany and participation in the Nanga Parbat expeditions, but most of the items date from his arrival in the United States in 1947. Material includes correspondence, much of it related to his research interests; published and unpublished writings by Luft and others from the 1930s through the 1980s; Luft's experimental and reference files containing notes, calculations, graphs and illustrations;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. The papers are 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.

Repository: University of California, San Diego. Geisel Library. Mandeville Special Collections Library.
La Jolla, California 92093-0175

Collection number: MSS 0475

Language of Material: Collection materials in English

Access

Collection is open for research.

Acquisition Information

Not Available

Preferred Citation

Ulrich Cameron Luft Papers, MSS 0475. Mandeville Special Collections Library, UCSD.

Publication Rights

Publication rights are held by the creator of the collection.

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.

Scope and Content of Collection

The papers (1907-1991) of Ulrich Cameron Luft contain personal documents, correspondence, writings, reprints, subject files, films, photographs, and small medical instruments. The bulk of the collection documents Ulrich Luft's professional life after his arrival in the United States in 1947. The papers span the years 1907-1991, occupy 19.8 linear feet, and are 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.

RELATED COLLECTIONS

MSS 444 John B. West Papers

MSS 445 Ulrich C. Luft Oral history [videorecording], between 1990-1991.

MSS 446 Deutsche Himalaja Expeditionen [videorecording], 1938.

MSS 451 Michael P. Ward Papers.

MSS 455 James S. Milledge Papers.

MSS 568 Bruno Balke Papers.

Indexing Terms

The following terms have been used to index the description of this collection in the library's online public access catalog.

Subjects

Luft, U. C. -- (Ulrich C.) -- Archives

Hartmann, Hans

USAF School of Aerospace Medicine. -- Dept. of Physiology

Altitude, Influence of

Anoxemia

Acclimatization

Decompression (Physiology)

Aviation medicine

Mountaineering -- Pakistan -- Nanga Parbat

Mountaineering expeditions -- Himalaya Mountains

Physiology -- History

Physiologists -- Biography

Nanga Parbat (Pakistan)

Contributors

Balke, Bruno, -- correspondent

Opitz, Erich, -- correspondent

Rahn, Hermann, 1912- -- correspondent

Åstrand, Per-Olof, -- correspondent

Hurtado, Alberto, 1901-1983, -- correspondent

Monge M., Carlos, -- (Monge Medrano), 1884- -- correspondent

West, John B. -- (John Burnard), -- correspondent

Houston, Charles S., -- correspondent

Dill, David Bruce, 1891- -- correspondent

NASA Advisory Council. -- Aerospace Medicine Advisory Committee, -- correspondent

BIOGRAPHICAL MATERIAL

Germany, 1907-1947

box 1, folder 1

Luft family documents 1907 - 1941

Note

Includes birth, marriage and death certificates.

box 1, folder 2

Medical education and practice documents 1935 - 1947

Note

Includes diplomas, certificates, evaluations, and work histories.

box 1, folder 3,
oversize FB22707

Medical education and practice documents 1935 - 1947

Note

Oversize.

box 1, folder 4
box 1, folder 5

Passports, identification papers and other legal documents 1934 - 1947

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 1952 - 1965

Note

Drafts.

box 1, folder 8
box 1, folder 9,
oversize FB22706

Autobiographical sketches, curriculum vitae and forms 1952 - 1972

Hoffman, Matthew. "His Specialty: High Altitude"

Note

August 23, 1989. Oversize.

box 1, folder 10

Identification cards and security forms 1949 - 1955

Note

Includes photograph of Ulrich Luft.

box 1, folder 11

Luft, Ulrich. Notebook 1945 - 1964

Note

Miscellaneous personal and financial information.

box 1, folder 12

October, 1946, Decision

Note

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, June 25-27 1981

Note

Includes a photograph of the space shuttle signed by several of Luft's colleagues.

box 1, folder 15

Salary on U. S. War Department Contract 1947 - 1948

Note

Receipts and claims.

box 1, folder 16

Survey Questionnaire, 14 May 1948 - 1949

Note

Includes form, "War Department Position Description - Field Service."

box 1, folder 17

Travel requests and authorizations 1947 - 1957

Note

Includes forms, correspondence and reports on domestic and international travel.

- box 1, folder 18 **United States. Department of the Army. Landshut Military Sub-Post 1950**
 Note
 Packing Lists, Owners Inventory with Certificates, Affidavits and Customs Declarations.
- box 1, folder 19 **United States. Department of Justice. Immigration and Naturalization Service
1949 - 1983**
 Note
 Includes correspondence, forms and a photograph of the Lufts' son, Friedrich C. Luft.
- 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
1945 - 1947**
 Note
 Includes document in Russian dated 18 March 1947.
-

Family Photographs and Slides

- box 1, folder 22 **Luft, Ulrich 1935 - 1980**
 Note
 Formal and informal portrait prints.
- box 1, folder 23 **Luft, Ulrich, and his wife, Alice Hentzelt Luft 1935 - 1980**
 Note
 Prints.
- box 1, folder 24 **Luft, Ulrich, with family and others 1940 - 1960**
 Note
 Prints and negatives.
- box 1, folder 25 **Travel - Ecuador and Scotland 1960**
 Note
 Slides.
- box 1, folder 26 **Travel - Peru and Guatemala 1949**
 Note
 Negatives.
-

Laid in Materials

- box 1, folder 27 **Bauer, Paul. Wegbereiter fur die Gipfelsiege von heute.**
 Note
 Materials laid into book, GV 199.92 .B38 A3 1987.
- box 1, folder 28 **Maduschka, Leo. Junger mensch im Gebirg**
 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 - 1947 Note Letters to administrators and faculty, University of Berlin. Includes letters to Professors Schafer and Lohmann.
box 2, folder 3 box 2, folder 4	Aerospace Medical Association 1955 - 1981 Akademischer Alpenverein Munchen e.V. 1938 - 1953 Note Includes correspondence from Gerhart Klamert.
box 2, folder 5 box 2, folder 6 box 2, folder 7 box 2, folder 8	Aktiebolaget Stalex 1957 - 1958 Allison, Robert D. 1962 - 1966 Alltransport Incorporated 1954 - 1954 American Airlines, Incorporated 1957 - 1958 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 box 2, folder 10 box 2, folder 11 box 2, folder 12	American College of Chest Physicians 1956 - 1981 American College of Sports Medicine 1955 - 1989 American Heart Association 1972 - 1980 American Institute of Biological Sciences 1950 - 1978 Note Includes correspondence on the HANDBOOK OF BIOLOGICAL DATA.
box 2, folder 13 box 2, folder 14 box 2, folder 15	American Medical Association 1962 - 1962 American Physiological Society 1949 - 1985 Anderson, Max and Ben Abruzzo 1977 - 1978 Note Double Eagle balloon flight.
box 2, folder 16 box 2, folder 17 box 2, folder 18 box 2, folder 19 box 2, folder 20 box 2, folder 21 box 2, folder 22 box 2, folder 23 box 2, folder 24 box 2, folder 25 box 2, folder 26 box 2, folder 27 box 2, folder 28 box 2, folder 29 box 3, folder 1 box 3, folder 2 box 3, folder 3 box 3, folder 4 box 3, folder 5 box 3, folder 6 box 3, folder 7 box 3, folder 8 box 3, folder 9	Andrew, George M. 1972 - 1975 Arthur H. Thomas Company 1949 - 1958 Aspen Emphysema Conference 1979 - 1979 Astrand, Per-Olaf 1952 - 1964 Atterbom, Hemming A. 1967 - 1980 B - Miscellaneous Baldes, Edward J. 1948 - 1957 Balke, Bruno 1965 - 1979 Ballam, Gary O. 1983 - 1984 Bancroft, Richard W. 1954 - 1963 Barron, C. I. 1956 - 1957 Bartels, Heinz 1954 - 1955 Bechtold, Fritz 1947 - 1948 Beck, Bruno 1954 - 1986 Behnke, Albert R. 1956 - 1985 Beischer, D. E. 1956 - 1956 Benford, Robert J. 1963 - 1978 Berg, Hedstrom and Company, Incorporated 1956 - 1957 Berger, Martin 1975 - 1975 Bergverlag Rudolf Rother 1955 - 1963 Bjurstedt, Hilding 1954 - 1965 Blockley, W. V. 1952 - 1955 Boeing Airplane Company 1957 - 1958 Note Seattle Division.

box 3, folder 10
box 3, folder 11
box 3, folder 12
box 3, folder 13
box 3, folder 14
box 3, folder 15

Boothby, Walter M. 1951 - 1954
Borosini, August von 1961 - 1962
Breidenbach, Warren C. 1958 - 1958
Brendel, Walter 1954 - 1955
Buchner, Franz 1939 - 1956
Buettner, Konrad 1954 - 1957

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
box 3, folder 17
box 3, folder 18
box 3, folder 19
box 3, folder 20

Burchell, Howard B. 1982 - 1989
C - Miscellaneous
C. V. Mosby Company 1967 - 1971
California State University, Sacramento 1977 - 1977
Canada 1950 - 1958

Note

Department of National Defence, Research Board.

box 3, folder 21
box 3, folder 22
box 3, folder 23
box 3, folder 24
box 3, folder 25
box 3, folder 26
box 3, folder 27
box 3, folder 28
box 3, folder 29
box 3, folder 30
box 3, folder 31
box 3, folder 32
box 3, folder 33

Cardus-Pascual, David 1957 - 1963
Carlson, Loren D. 1952 - 1957
Carter, Earl 1954 - 1958
Christensen, Hohwu E. 1954 - 1961
Christensen, William L. 1957 - 1976
Clark, Robert T. 1953 - 1954
Comroe, Julius H. 1952 - 1952
Convair Astronautics 1956 - 1958
Cook, John C. 1968 - 1988
Cosby, Richard S. 1954 - 1955
Cruger, Jorgen O. H. 1961 - 1964
D - Miscellaneous
Department of Health, Education and Welfare 1966 - 1968

Note

Social Security Administration.

box 3, folder 34
box 3, folder 35
box 4, folder 1
box 4, folder 2
box 4, folder 3

Deutsche Himalaja Stiftung 1941 - 1951
Deutsche Himalaja Stiftung 1952 - 1989
deVries, Herbert A. 1973 - 1973
Dewey and Almy Chemical Company 1954 - 1956
Dill, David Bruce 1945 - 1985

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
box 4, folder 5
box 4, folder 6
box 4, folder 7
box 4, folder 8
box 4, folder 9
box 4, folder 10
box 4, folder 11
box 4, folder 12
box 4, folder 13

Dimond, E. Grey 1953 - 1953
Douglas, Adam R. 1986 - 1987
Douglas, C. Gordon 1955 - 1957
Drenckhahn, Friedrich Otto 1952 - 1954
E - Miscellaneous
Eastman Kodak Company 1951 - 1956
Ekenberg, Otto 1957 - 1957
Elliott, John C. 1967 - 1980
Elstner, Judy 1963 - 1974
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 - 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 - 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

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
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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 - 1952
box 5, folder 7	Heiland 1954 - 1955

Note

A Division of Minneapolis-Honeywell.

box 5, folder 8	Hitchcock, Fred A. 1953 - 1961
box 5, folder 9	Hoffman, Walter 1954 - 1954
box 5, folder 10	Hollman, Dietrich 1951 - 1953
box 5, folder 11	Hopps, Howard C. 1952 - 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 - 1954
box 5, folder 17	I - Miscellaneous
box 5, folder 18	Ingham, Harold G. 1951 - 1951
box 5, folder 19	Instrumentation Associates 1957 - 1957
box 5, folder 20	International Academy of Astronautics 1954 - 1990
box 5, folder 21	Ivy, John H. 1958 - 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	JOURNAL OF AVIATION MEDICINE 1951 - 1951
box 5, folder 26	K - Miscellaneous
box 5, folder 27	Karpovich, Peter V. 1955 - 1955

box 5, folder 28	Kellogg, Ralph 1977 - 1977
box 5, folder 29	Kendall, James I. 1953 - 1953
box 5, folder 30	Kessler, Karlheinz 1964 - 1989
box 5, folder 31	Kirsch, Karl 1975 - 1985
	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 - 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 - 1958
box 6, folder 13	Loeppky, Jack A. 1969 - 1986
box 6, folder 14	Loeschcke, Hans 1948 - 1957
	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 1953 - 1953
	Note
	Granddaughter.
box 6, folder 17	Luft, Friedrich C. 1979 - 1988
	Note
	Son.
box 6, folder 18	M - Miscellaneous
box 6, folder 19	Mackeben, W. 1953 - 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 - 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 - 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 - 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 - 1958
	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 Note Correspondence on appointments as consultant to NASA's Medical Advisory Council.
box 7, folder 2	National Aeronautics and Space Administration 1965 - 1980 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 - 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
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 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 - 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 - 1977 Note Includes typecript 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 - 1955
box 8, folder 9	Smith, Thomas M. 1955 - 1956

box 8, folder 10	Society for Experimental Biology and Medicine. Southwestern Section 1958 - 1980 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 Note Includes synopsis of talk by Ulrich Luft "Physiological Aspects of High Altitude Flight".
box 8, folder 12 box 8, folder 13	Society of the Sigma Xi 1973 - 1973 Soehngen, Erich 1954 - 1955 Note Electronics Development Laboratory.
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 - 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 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.
box 8, folder 28	United States Department of Health and Human Services. Social Security Administration 1979 - 1980 Note Disability Determination Unit. Includes Ulrich C. Luft's comments on the proposed new guidelines for disability in applicants with COPD, etc.
box 8, folder 29	United States Selective Service System 1952 - 1956 Note Order to report for Armed Forces physical examination.
box 8, folder 30	University of California, Davis. Extension 1977 - 1977
box 8, folder 31	University of New Mexico 1965 - 1980
box 9, folder 1	V - Miscellaneous
box 9, folder 2	V. Ray Bennett and Associates, Incorporated 1955 - 1956 Note Medical Equipment Research and Development.
box 9, folder 3	Verfugung Note Berlin, December, 1939. Photocopies of the order and correspondence to Generaloberst Milch from Fehring (?).
box 9, folder 4	Veteran's Administration Hospitals 1957 - 1982

box 9, folder 5	Von Euler, Ulf 1964 - 1983
box 9, folder 6	W - Miscellaneous
box 9, folder 7	W. B. Saunders Company, (John L. Dusseau, editor) 1955 - 1958
box 9, folder 8	Waters Corporation 1952 - 1958
box 9, folder 9	Webster, David J. 1967 - 1971
box 9, folder 10	Werner, Walter I. 1954 - 1954
box 9, folder 11	West, John B. 1962 - 1987
box 9, folder 12	White, Clayton S. 1949 - 1968
box 9, folder 13	Wiedemann, Gerhard 1947 - 1956
box 9, folder 14	Winterstein, Hans 1955
box 9, folder 15	Winzen, Otto C. 1958 - 1958
box 9, folder 16	Wolff's Bucherei 1960 - 1962
box 9, folder 17	Wood, Earl H. 1949 - 1989
box 9, folder 18	Wright Air Development Center. Air Research and Development Command 1956 - 1957

Note

Request for proposal.

box 9, folder 19	Y - Miscellaneous
box 9, folder 20	Z - Miscellaneous
box 9, folder 21	Unidentified correspondents
	WRITINGS BY ULRICH LUFT

Journal Articles and Papers

box 9, folder 22	Publications lists 1943 - 1980
box 9, folder 23	Account of Observations at the Site of the Accident Fatal to Dr. and Mrs. Lovelace on December 12th 1965
	Note
	Part 1. Includes a hand-drawn map of site by Mike Renford.
box 9, folder 24	Account of Observations at the Site of the Accident Fatal to Dr. and Mrs. Lovelace on December 12th, 1965
	Note
	Part 2. Includes correspondence, photographs for memorial service, and the W.R. Lovelace Memorial Lecture by U.S. von Euler, June 16th, 1966.
box 9, folder 25	Acid-Base
	Note
	Undated draft.
box 9, folder 26	Action of Epinephrine and Veratramine upon Heart Rate and Oxygen Consumption in Heart-Lung Preparation of Dog 1950
	Note
	With Kurt Kramer, et al.
box 9, folder 27	Acute Effects of Air Blast on Pulmonary Function in Dogs and Sheep 1971
	Note
	With Edward G. Damon, et al.
box 9, folder 28	Acute Hypoxia and Natural Acclimatization 1950
box 9, folder 29	Adventures in Hypoxia 1982
	Note
	Given at symposium on "O ₂ Transport to Human Tissues."

box 9, folder 30	Aerobic Capacity in Relation to Body Size and Composition 1960 Note With David Cardus-Pascual, et al. Abstract.
box 9, folder 31 box 9, folder 32	Aerospace Environments 1974 Alterations in Lung Compliance and Functional Residual Capacity with Posture 1959 Note With Thomas P. K. Lim.
box 9, folder 33	Altitude Physiology: Air Travel in the Jet Age 1960 Note With Albert H. Schwichtenberg, et al.
box 9, folder 34 box 9, folder 35 box 9, folder 36	Altitude Sickness 1961 Altitude Tolerance 1950 Alveolar Gases in Rapid Decompression to High Altitude 1949 Note With Hans G. Clamann, et al.
box 10, folder 1	Alveolar Hypoventilation Note Undated drafts.
box 10, folder 2	An das fliegende Personal der Luftwaffe werden hochste Anfordeungen gestellt.. Note Untitled typescript, no date.
box 10, folder 3	Anoxic Survival Time of Cerebral Activity in Sudden Exposure to High Altitudes 1959 Note With Werner K. Noell.
box 10, folder 4	Arterielle Sauerstoffsattigung im Zeitreserveversuch 1939 Note With H. Becker-Freyseng, et al.
box 10, folder 5	Arztliche Betreuung der englischen und amerikanischen Flieger 1944 Note Nach Berichten von Stabsarzt Dr. Schwerdtfeger und Dozent Dr. U. Luft.
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. Berlin, May 18 1942 Note With Hans G. Clamann.
box 10, folder 8	Aussprache zum Vortrag von Herrn Th. Benzinger Note Undated.

- box 10, folder 9 **Aviation Physiology: The Effects of Altitude 1965**
 Note
 Published in the HANDBOOK OF PHYSIOLOGY: RESPIRATION. Volume 2, Chapter 9.
- box 10, folder 10 **Beat-By-Beat Stroke Volume Assessment by Pulsed Doppler in Upright and Supine Exercise 1981**
 Note
 With Jack A. Loepky, et al. Includes correspondence and editorial comments.
- 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 1978**
 Note
 With Jack A. Loepky.
- box 10, folder 13 **Blood Volume Regulation**
 Note
 Undated typescript draft and notes.
- box 10, folder 14 **Body Density, Fat, and Fat-Free Weight 1961**
 Note
 With Thomas P. K. Lim, et al.
- box 10, folder 15 **Body Temperature Regulation in Hypoxia 1960**
 Note
 With Thomas P. K. Lim.
- box 10, folder 16 **Bruno Balke: The Early Years**
 Note
 Undated typescript.
- box 10, folder 17 **Capacity for Physical Exertion after Loss of Blood 1952**
 Note
 With Bruno Balke, et al.
- box 10, folder 18 **Carbon Dioxide Transport in the Blood**
 Note
 Undated handwritten draft with notes and reprints of others.
- box 10, folder 19 **Cardiac and Metabolic Response of Non-Athletes to Graded Exercise 1957**
 Note
 With E. H. Roorbach, et al.
- box 10, folder 20 **Cardio-Pulmonary Disease: Evaluation and Treatment. Stress Testing as a Means to Evaluate Cardiovascular... 1977**
 Note
 Typescript and notes. Also given as a lecture, Sacramento, September 24, 1977.
- box 10, folder 21 **Cardio-Pulmonary Dynamics and Electrical Resistance Changes in the Thorax 1964**
 Note
 With Robert D. Allison.

- box 10, folder 22 **Cardiovascular and Respiratory Responses to Personnel Suddenly Exposed to Very Low Temperature Windblast 1951**
 Note
 With Albert W. Hetherington, et al.
- box 10, folder 23 **Changes in Alveolar Gas Tensions during Acclimatization at 10,000 Feet and the Effect of the Latter... 1947**
 Note
 With A. W. Heatherington, et al. Published in the SYMPOSIUM ON MILITARY PHYSIOLOGY, December 4-6, 1947.
- box 10, folder 24 **Changes in Concentration of Nitrogen During Respiratory Cycle Breathing Air 1951**
 Note
 With Bruno Balke, et al.
- box 10, folder 25 **Changes in Lung Compliance and Functional Residual Capacity with Posture 1958**
 Note
 With Thomas P. K. Lim.
- box 10, folder 26 **Characteristics of Respiratory Flow and Pressures in Newborn Infants 1961**
 Note
 With Robert F. Goddard, et al.
- box 10, folder 27 **Chronic Obstructive Lung Disease at Moderate Altitude (1600 m) and the Effects of Breathing at Sea Level..**
 Note
 Draft Methods and Procedures, New Version. Undated handwritten draft and notes.
- box 10, folder 28 **Circulation and Respiration Response to Arm Exercise and Lower Body Negative Pressure 1980**
 Note
 With Y. Kobayashi, et al.
- box 10, folder 29 **Closing Volume by Single Breath Nitrogen Washout: A Useful Pulmonary Function Test**
 Note
 With S. V. Rao. Typescript draft and notes.
- box 10, folder 30 **Comments on Letter of Dr. R. L. Masland, January 4, 1951**
 Note
 Typescript copy dated January 22, 1951.
- box 10, folder 31 **Comparison of Noninvasive Pulsed Doppler and Fick Measurements of Stroke Volume in Cardiac Patients 1984**
 Note
 With Jack A. Loeppky, et al.
- box 10, folder 32 **Conference on "Effects of CO2 on Mammalian Tissue". Comments by Ulrich C. Luft at the Conference... 1980**
 Note
 Undated typescript and handwritten draft.

box 10, folder 33	Considerations on Appraisal of Physical Fitness 1962 Note With David Cardus-Pascual, et al.
box 10, folder 34	Continuous Positive Pressure Breathing in Aviation Note Undated handwritten draft and notes.
box 10, folder 35	Contribution of the Haldane Effect to the Rise of Arterial PCO₂ in Hypoxic Patients Breathing Oxygen 1981 Note With Mary Mostyn, et al.
box 10, folder 36	Contribution of the Haldane Effect to the Rise of Arterial PCO₂ in Hypoxic Patients Breathing Oxygen Note Undated handwritten draft.
box 11, folder 1	Contribution of the Haldane Effect to the Rise of Arterial PCO₂ in Hypoxic Patients Breathing Oxygen 1979 - 1980 Note Draft submitted to the AMERICAN REVIEW OF RESPIRATORY DISEASE. Includes correspondence and reviews.
box 11, folder 2	Contribution of the Haldane Effect to the Rise of Arterial PCO₂ in Hypoxic Patients Breathing Oxygen 1980 Note Draft submitted to CRITICAL CARE MEDICINE. Includes correspondence.
box 11, folder 3	Contribution of the Haldane Effect to the Rise of Arterial PCO₂ in Hypoxic Patients Breathing Oxygen 1979 - 1980 Note Drafts submitted to the JOURNAL OF THE AMERICAN PHYSIOLOGICAL SOCIETY. Includes correspondence and comments.
box 11, folder 4	Contribution of the Haldane Effect to the Rise of Arterial PCO₂ in Hypoxic Patients Breathing Oxygen Note Old notes. Includes drafts, data, graphs, and undated typescript summary.
box 11, folder 5	Contribution of the Haldane Effect to the Rise of Arterial PCO₂ in Hypoxic Patients Breathing Oxygen Note Preliminary miscellaneous notes. Undated.
box 11, folder 6	Contribution of the Haldane Effect to the Rise of Arterial PCO₂ in Hypoxic Patients Breathing Oxygen Note Associated reprints by others with notes by Ulrich Luft.
box 11, folder 7	Derivation of a Three-Compartment Model Note Includes undated typescript, notes and graph.

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| <p>box 11, folder 8
box 11, folder 9</p> | <p>Diskussionbemerkung zur Thema Kohlenoxyd 1937
 Distribution of Ventilation and Diffusion with Perfusion in a Two-Compartment Model Gas Exchange 1990</p> <p>Note
 With Vidal Melo. Published in OXYGEN TRANSPORT TO TISSUE, 12.</p> |
| <p>box 11, folder 10
box 11, folder 11</p> | <p>Early Detection of Deteriorative Trends in Pulmonary Function 1967
 Effect of Carboxyhemoglobin on the Carbon Dioxide Combining Curve of Whole Blood 1971</p> <p>Note
 With J. C. Elliott. Typescript copy with abstract.</p> |
| <p>box 11, folder 12</p> | <p>Effect of Induced Hypoxia on Thermoregulation and Cardiopulmonary Function 1963</p> <p>Note
 With Thomas P. K. Lim.</p> |
| <p>box 11, folder 13</p> | <p>Effect of Lower Body Negative Pressure Release on Hyperpnea Induced by Inhaled Gas 1980</p> <p>Note
 With Jack A. Loeppky.</p> |
| <p>box 11, folder 14</p> | <p>Effective Tracheal and Intrathoracic Pressures Obtained with the D-1 Pressure-Demand Regulator 1953</p> <p>Note
 With Richard W. Bancroft.</p> |
| <p>box 11, folder 15
box 11, folder 16
box 11, folder 17</p> | <p>Effectiveness of Ventilation in Healthy Adults 1956
 Effects of Altitude Climates on Human Performance: A Review 1969
 Effects of Cervical Vagotomy on Pulmonary Ventilation and Mechanics 1958</p> <p>Note
 With Thomas P. K. Lim, et al.</p> |
| <p>box 11, folder 18</p> | <p>Effects of Regional Hemoconcentration During LBNP on Plasma Volume Determinations 1979</p> <p>Note
 With Jack A. Loeppky.</p> |
| <p>box 11, folder 19</p> | <p>Eichung der Mattheschen Sauerstoffuhr mit Alveolarluft 1939</p> <p>Note
 With Hermann Becker-Freyseng, et al.</p> |
| <p>box 11, folder 20</p> | <p>Electrocardiogram During and After Exercise in Relation to Serum Electrolytes and pH 1970</p> <p>Note
 Abstract.</p> |
| <p>box 12, folder 1</p> | <p>Elimination of Carbon Monoxide by Resting Adult Men</p> <p>Note
 Undated typescript copy. Includes graphs by Ulrich Luft and associated reprints of others.</p> |
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box 12, folder 2	Emphysema at Medium Altitude 1968 Note With Mary E. Mostyn, et al.
box 12, folder 3	Entwurf 1939 Note Undated typescript drafts.
box 12, folder 4	Erich Opitz 1955 Note Includes galley proofs, death notice, text written for memorial service by D. Andersen, and photographs of Erich Opitz and members of his family.
box 12, folder 5	Evolution of the Hypoxia Warning Device 1955 Note With Richard W. Bancroft, et al.
box 12, folder 6	Expiratory Resistance as Determined from Transthoracic Pressure during Rapid Decompression 1955 Note Includes typescript, notes and graphs.
box 12, folder 7 box 12, folder 8	Famous Fallacies in Altitude Physiology 1980 Fluctuations in O₂ Stores and Gas Exchange with Passive Changes in Posture 1977 Note With Jack A. Loepky.
box 12, folder 9	Functional Residual Capacity and Elastic Properties of Lungs after Vagotomy 1958 Note With Thomas P. K. Lim.
box 12, folder 10 box 12, folder 11	Funktionelle Orthologie der Atmung die Lungenbeluftung und der Alveolare Gasaustausch 1961 Gas Exchange and Cardiovascular Functions at Rest and in Exercise under the Effects of Extrinsic... 1953 Note With Bruno Balke, et al.
box 12, folder 12	Gaseous Nitrogen Elimination 1952 Note With Walter M. Boothby, et al.
box 12, folder 13	Gravitational Effects on Blood Distribution, Ventilation, and Gas Exchange at the Onset and Termination... 1978 Note With Jack A. Loepky, et al. Includes correspondence.
box 12, folder 14	Hans Hartmann. Berlin 1962 Note Handwritten draft.

- box 12, folder 15 **Herstellung von Sauerstoff-Stickstoff-Gemischen 1940**
 Note
 Includes typescript notes. For English translation, see "The Production of Oxygen-Nitrogen Mixtures."
- box 12, folder 16 **Hohenanpassung 1941**
 Note
 Includes correspondence.
- box 12, folder 17 **Hohenanpassung am Jungfrauojoch. I. Mitteilung. Untersuchungen der Atmung und des Blutes... 1942**
 Note
 With H. Becker-Freyseng, et al.
- box 12, folder 18 **Hohenanpassung am Jungfrauojoch. II. Mitteilung. Atemvolumen und Kohlensauresystem bei akutem... 1942**
 Note
 With H. Becker-Freyseng, et al.
- box 12, folder 19 **Hohenanpassung am Jungfrauojoch. III. Mitteilung. Steigerung der Hohenfestigkeit wahrend der Hohenpassung... 1942**
 Note
 With E. Opitz.
- box 12, folder 20 **Hohenanpassung am Jungfrauojoch. IV. Mitteilung. Umstellung und Annpassung der Atmung in 3500 m Hohe... 1942**
 Note
 With H. H. Loeschcke, et al.
- box 12, folder 21 **Hohenanpassung am Jungfrauojoch. V. Mitteilung. Die Beteiligung der Niere am Saure-Basenhaushalt... 1943**
 Note
 With H. H. Loescheke, et al.
- box 12, folder 22 **Hohenfestigkeit**
 Note
 With Bruno Balke. Undated.
- box 12, folder 23 **Hohenfestigkeit bei Hohenlageversuchen in der U-Kammer und am O2-N2-Gemisch 1944**
 Note
 With R. Schwarzbach. Includes galley proofs.
- box 12, folder 24 **Hypoxamische Veranderungen des Zentralnervensystems im Experiment 1936**
 Note
 With Franz Buchner.
- box 12, folder 25 **Hypoxia: A Clinical-Physiological Approach 1968**
 Note
 With Silvio Finkelstein.

- box 12, folder 26 **Hypoxia in Rapid Decompression 1969**
Note
Presented at the Panel on Biological Hazards in Manned Orbiting Stations at the International Orbiting Laboratory and Space Science Conference, October, 1969. Includes correspondence.
- box 12, folder 27 **Influence of General Hypoxia on Local Cold Injury 1951**
Note
With Josef Pichotka.
- box 12, folder 28 **Influence of High Altitude upon the Exercise Tolerance**
Note
With Bruno Balke. Undated.
- box 12, folder 29 **Influence of Hypoxia on Thermal Homeostasis in Man 1962**
Note
With Thomas P. K. Lim.
- box 12, folder 30 **Instantaneous Stroke Volume in Man during Lower Body Negative Pressure (LBNP) 1979**
Note
With Jack A. Loepky. Also given at the Fall Meeting of the American Physiological Society. Includes notes and reprints of others.
- box 13, folder 1 **Instructions for Nitrous Oxide Cardiac Output Circuit**
Note
Undated typescript.
- box 13, folder 2 **Intermittent Positive Pressure-Aerosol Therapy in Pediatrics 1956**
Note
With Roy F. Goddard.
- box 13, folder 3 **Irreversible hypoxämische 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 1951**
Note
With A. D. Tuttle, et al.
- box 13, folder 6 **Kalte und Kalteschutz im Hochgebirge: Die Erfahrungen der Himalaja-Expeditionen 1942**
- box 13, folder 7 **Kohlensäurezusatz zum Sauerstoff in grossen Höhen? 1943**
Note
With Erich Opitz. Includes draft, notes and unpublished galley proofs.
- 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 1951**
Note
With Hans G. Clamman, et al.
- 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 1972**
 Note
 With Sarah A. Nunnally, et al.
- box 13, folder 12 **Luftfahrtmedizinische Forschungsinstitut, Berlin: Erinnerungen 1937 - 1945**
 Note
 Typescript copy, handwritten draft and notes.
- box 13, folder 13 **Manifestations of Brief Instantaneous Anoxia in Man 1956**
 Note
 With Werner K. Noell.
- box 13, folder 14 **Man's Ceiling as Determined in the Altitude Chamber**
 Note
 With David Bruce Dill. Undated typescript copy and notes.
- box 13, folder 15 **Mean Alveolar Gases and Alveolar-Arterial Gradients in Pulmonary Patients 1979**
 Note
 With Jack A. Loeppky, et al.
- box 13, folder 16 **Measurements of Total Circulating Hemoglobin with the Carbon Monoxide Rebreathing Method 1963**
 Note
 With David Cardus-Pascual, et al.
- box 13, folder 17 **Mechanical Analog for Compliance**
 Note
 Handwritten notes and reprints of others.
- box 13, folder 18 **Method Proposed by Thews..**
 Note
 Undated handwritten draft and reprints of others.
- box 13, folder 19 **Mobilization of Red Cells and Oxygen from the Spleen in Severe Hypoxia 1951**
 Note
 With Kurt Kramer.
- box 13, folder 20 **Modified Procedure for the Determination of Body Volume by Hydrostatic Weighing 1961**
 Note
 With Thomas P. K. Lim.
- box 13, folder 21 **Modified Rebreathing Procedure for Mixed Venous Gas Tensions 1969**
 Note
 With John C. Elliott, et al.
- box 13, folder 22 **Morphologische Bild hypoxamischer Organveränderungen 1938**
box 13, folder 23 **Mountain Sickness, Acute and Chronic**
 Note
 Undated handwritten draft, notes and reprints of others.

- box 13, folder 24 **Non-Invasive Evaluation of Left Ventricular Function by Systolic Time Intervals**
Note
Undated handwritten draft with notes and reprints.
- box 13, folder 25
box 14, folder 1 **Notebook: Anatomy notes and drawings 1929 - 1930**
Otto Gauer und die Gravitationsphysiologie 1979
Note
Typescript copy of talk given at a symposium for Otto Gauer, May 2, in Berlin. Includes program.
- box 14, folder 2 **Oxygen Content and Capacity**
Note
Undated typescript. Includes notes.
- box 14, folder 3 **Oxygen Diffusion and Transport in Explosive Decompression 1947**
Note
With H. G. Clamann, et al. Published in SYMPOSIUM ON MILITARY PHYSIOLOGY.
- box 14, folder 4 **Pathophysiological Changes in the Lungs during Extracorporeal Circulation 1962**
Note
With Robert Cartwright, et al.
- box 14, folder 5 **Pathophysiological Sequelae of Bronchopulmonary Lavage in the Dog 1972**
Note
With B. A. Muggenburg, et al.
- box 14, folder 6 **Physical Competence of Men from 20 to 45 Years of Age 1957**
Note
With Elizabeth H. Roorbach. Abstract.
- box 14, folder 7 **Physical Performance in Relation to Body Size and Composition 1963**
Note
With David Cardus-Pascual, et al.
- box 14, folder 8 **Physical Performance in Relation to Fat Free Weight in Women Compared to Men 1968**
Note
With Frances McGill.
- box 14, folder 9 **Physiologic Alterations of Altitude in Aviation 1969**
Note
Includes handwritten and typescript drafts.
- box 14, folder 10 **Physiological Aspects of Travel by Jet Aircraft: Abstract for Panel on "The Jet Age and Chest Medicine"**
Note
Undated typescript copy. Includes "Physiological Aspects of High Altitude Flight: Synopsis," graphs and notes.
- box 14, folder 11 **Physiological Aspects of Pressure Cabins and Rapid Decompression 1954**
Note
Includes handwritten draft and graph.

- 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 1941**
Note
With Hans Hartmann, et al.
- box 14, folder 15 **Plasma Electrolytes, pH, and the ECG during and after Exhaustive Exercise**
Note
With N. Coester, et al. Undated typescript.
- box 14, folder 16 **Possible Mechanisms of Fatal Injury in Rapid Decompression 1968**
Note
Notes and correspondence.
- box 14, folder 17 **Possible Mechanisms of Fatal Injury in Rapid Decompression from 8,000 to 30,000 Feet Simulated Altitude... 1968**
Note
Handwritten drafts.
- box 14, folder 18 **Principles of Adaptation to Altitude 1971**
Note
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.
- box 14, folder 19 **Production of Oxygen-Nitrogen Mixtures 1940**
Note
Translation of Ulrich Luft's Die Herstellung von Sauerstoff-Stickstoff-Gemischen, 1946.
- box 14, folder 20 **Pulmonary Edema: an Abnormal Accumulation of Extra-Vascular Fluid in the Lungs**
Note
Undated handwritten draft with notes.
- 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 1977**
Note
Pamphlet issued by the Physiology Department, Lovelace-Bataan Medical Center, with foreword by Ulrich Luft and glossary of terms.
- box 14, folder 23 **Pulmonary Nitrogen Clearance as a Criterion of Ventilatory Efficiency 1955**
Note
With Elizabeth H. Roorbach, et al.
- box 14, folder 24 **Quantitative Description of Whole Blood CO₂ Dissociation Curve and Haldane Effect 1983**
Note
With Jack A. Loepky, et al. Includes correspondence and comments of referee.

- box 14, folder 25 **Rapid Decompression 1969**
Note
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.
- box 14, folder 26 **Rapid Decompression with Pressure-Demand Oxygen Equipment 1953**
Note
With Richard W. Bancroft, et al. Includes notes, graphs and reprints of others.
- box 15, folder 1 **Recovery of the Respiratory System Following Blast Injury 1970**
Note
With Edward G. Damon, et al.
- box 15, folder 2 **Regulation of Breathing at Altitude in Health and Pulmonary Disease**
Note
Undated handwritten drafts, notes and reprints of others.
- box 15, folder 3 **Respiratory Atmosphere for Space Cabins**
Note
Undated handwritten draft, notes and reprints. Presented at the University of Iowa, Iowa City.
- box 15, folder 4
box 15, folder 5 **Respiratory System 1971**
Review of John F. Fulton's DECOMPRESSION SICKNESS: CAISSON SICKNESS, DIVER'S AND FLYER'S BENDS AND RELATED... 1951
Note
Review for the JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION. Typescript drafts.
- box 15, folder 6 **Review of proposal by Karl E. Schaefer, "CO2 Effects on Human and Animal Health" 1981**
Note
Handwritten draft. Includes correspondence.
- box 15, folder 7 **Reviews of proposals submitted to the National Science Foundation by various researchers 1970 - 1984**
Note
Includes correspondence.
- box 15, folder 8 **Sauerstoff auf Hochgebirgs Expeditionen 1939**
Note
Presented at a conference April 21-22, 1939, in Gottingen, Germany.
- box 15, folder 9 **Selection and Maintenance Program for Astronauts for the National Aeronautics and Space Administration 1962**
Note
With W. Randolph Lovelace, et al.
- box 15, folder 10 **Selection of Astronauts Including Dynamic Testing 1965**
Note
With W. Randolph Lovelace, et al.

box 15, folder 11	Shifts in O2 Stores with Posture Affecting Apparent O2 Intake 1974 Note With Jack A. Loepky. Abstract.
box 15, folder 12	Simple Measurement of Density Dependence of Total Respiratory Conductance in Young Asthmatic Children 1978 Note With W. C. Tuttle, et al. Abstract.
box 15, folder 13	Spirometric Methods 1958 Note Includes galley proof.
box 15, folder 14	Standard Ventilation at Altitude Note Undated typescript.
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 1965 Note With Thomas P. K. Lim. Includes handwritten drafts, notes, graphs, and correspondence.
box 15, folder 19	Tolerance of Acute Hypoxia after Acclimatization 1949 Note Paper given in Lima, Peru. Typescript copies with graphs.
box 15, folder 20	Tolerance to Lower Body Negative Pressure Before and After Acute Dehydration in the Heat 1976 Note With L. G. Myhre, et al. Includes abstract, outline, notes, and graphs.
box 15, folder 21	Total Body Water and Lean Body Mass Estimated by Ethanol Dilution 1977 Note With Jack A. Loepky, et al.
box 15, folder 22	Transthорacic Pressure in Man during Rapid Decompression 1956 Note With Richard W. Bancroft. Includes typescript drafts and notes.
box 15, folder 23	Use of the Forced-Oscillation Method to Determine Total Respiratory Conductance in Healthy Subjects.. Note Undated typescript copy.
box 15, folder 24	Validation and Application of Single Breath Cardiac Output Determinations in Man 1985 Note With Jack A. Loepky, et al. Includes typescript copy, abstract and two photocopied pages (759 and 753) of published article.

- box 15, folder 25
box 15, folder 26
- Verbesserung der Hohenfestigkeit durch Anpassung 1942**
Versuche mit einem Stratosphären-Überdruckhelm 1944
Note
With Hans G. Clamann.
- box 15, folder 27
- William Randolph Lovelace II, 1907-1965 1966**
Note
Written for Astronautica ACTA.
- box 15, folder 28
- Winter Survival and Rescue 1970**
Note
Presented at the American College of Sports Medicine Conference, Albuquerque, New Mexico, May 9, 1970.
- box 16, folder 1
- Work Capacity after Blood Donation 1954**
Note
With Bruno Balke, et al.
- box 16, folder 2
- Work Capacity, Exercise Responses and Body Composition of Professional Pilots in Relation to Age 1989**
Note
With Jack A. Loeppky, et al.
- box 16, folder 3
- Zur Durchführung von Hohenfestigkeitsprüfungen bei der Truppe 1940**
Note
Typescript copy.
- box 16, folder 4
box 16, folder 5
box 16, folder 6
- Zur Medikamentosen Leistungssteigerung im Hochgebirge 1944**
Zur Verwendung von Hohenatemgeräten auf Himalajaexpeditionen 1941
Zweiter Bericht zur Hohenanpassung für fliegende Besatzungen und ihre Erhaltung durch wiederhaltes U-Kammer... 1943
Note
Typescript copy.

NASA Research Reports

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

- box 16, folder 11 **Research Report on: Specialized Physiological Studies in Support of Manned Space Flight 1975**
 Note
 Contract: NAS 9-[14472]. Prepared by Ulrich Luft, with Jack A. Loeppky, et al.
- box 16, folder 12 **Research Report on: Specialized Physiological Studies in Support of Manned Space Flight 1977**
 Note
 Contract NAS 9-14920. Final Report, December, 1977. Prepared by Ulrich Luft, with Jack A. Loeppky, et al.
- box 16, folder 13 **Research Report on: Specialized Physiological Studies in Support of Manned Space Flight 1978**
 Note
 Contract: NAS 9-15483, December, 1978. Prepared by Ulrich Luft, with Jack A. Loeppky, et al. Includes correspondence.
- box 17, folder 1 **Research Report on: Specialized Physiological Studies in Support of Manned Space Flight 1980**
 Note
 Contract: NAS 9-15483. Final Report, July, 1980. Prepared by Ulrich Luft, with J.A. Loeppky, et al. Includes correspondence.

EXPERIMENTAL RESEARCH MATERIAL

Notes and Data

- box 17, folder 2 **Aging - Exercise - Body Composition**
 Note
 Notes and charts.
- box 17, folder 3 **Alveolar-Arterial Gas Pressure Difference, Oxygen and Carbon Dioxide (AaDO₂ and AaDCO₂)**
 Note
 Graphs.
- box 17, folder 4 **Correcting P_cO₂ for Body Temperature**
 Note
 Graphs and nonogram.
- box 17, folder 5 **Dead Spaces**
 Note
 Calculations and graph.
- box 17, folder 6
box 17, folder 7 **Exercise-Induced Asthma (E.I.A.)**
 Flow Volume Contours - Luft
 Note
 Based on Ulrich Luft's tests on himself. See Series 4C Pulmonary Function and Exercise Data on U. Luft.
- box 17, folder 8
box 17, folder 9
box 17, folder 10 **Hg Strain Gauge and Digital Plethymograph. Schedule of Tests**
 Hypothermia and Carbon Dioxide
 Impedance Plethsmography. 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
	Note
	Notes, data and tables.
box 17, folder 15	Rapid Decompression. Calculation and Data
box 17, folder 16	Residual Air - Expansion Method
	Note
	Includes typescript of results, notes, data, and graphs.
box 17, folder 17	SCUBA
box 17, folder 18	Sea Level Study: Cold and Compartments
box 17, folder 19	Sea Level Study: Summary tables and graphs 1970 - 1979
box 17, folder 20	Sea Level Study: Tables 1-3
box 17, folder 21	Single Breaths on Q Patients
	Note
	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
	Note
	Part 1.
box 19, folder 1	Mixed index cards
	Note
	Part 2.

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

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

Subject Files

box 24, folder 1	2, 3 DPG and HbO2 Equilibrium Curve
box 24, folder 2	Acclimatization
	Note
	Part 1.
box 24, folder 3	Acclimatization
	Note
	Part 2.
box 24, folder 4	Acclimatization to Altitude - General
	Note
	Part 1.
box 24, folder 5	Acclimatization to Altitude - General
	Note
	Part 2.

box 24, folder 6	Acclimatization to Altitude II - Gas Exchange at Altitude - Mechanics
box 24, folder 7	
box 24, folder 8	
box 24, folder 9	
	Acid-Base 75
	Acid-Base Balance Definitions
	Acid-Base Clinical
	Note
	Part 1.
box 24, folder 10	Acid-Base Clinical
	Note
	Part 2. Acid Base pH/CO2 THAM.
box 24, folder 11	Adaptation to Altitude
	Note
	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	Alveolar and "Physiological" Dead Space - Effects of Increased PIO₂ on Functional Compartments
	Note
	Part 1.
box 25, folder 10	Alveolar and "Physiological" Dead Space - Effects of Increased PIO₂ on Functional Compartments
	Note
	Part 2.
box 25, folder 11	Arterial Difference in Carbon Dioxide and Alveolar Arterial Difference in Oxygen Tension (ADCO₂ and AaDO₂) 1970 - 1971
	Note
	Sea Level Study, Literature.
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
	Note
	Reprints.
box 26, folder 6	Comet 1954 - 1954
	Note
	Two articles on Comet aircraft disasters.

box 26, folder 7	Continuous Positive Pressure Breathing - Clinical Decompression. Reprints of articles by F. A. Hitchcock and others
box 26, folder 8	
box 26, folder 9	
box 26, folder 10	
box 26, folder 11	
box 27, folder 1	
box 27, folder 2	
box 27, folder 3	
box 27, folder 4	
box 27, folder 5	
box 27, folder 6	
	Diffusing Capacity of Carbon Monoxide (DLCO)
	Doppler (PDE) Echocardiographs
	Dysbarism
	Effect of Oxygen and Carbon Dioxide on A-aD and Raw
	Electrolytes
	Endogenous Carbon Monoxide
	Estimation of Body Density by Hydrostatic Weighing (Archimedes' Principle)
	Exercise Training. Part I
	Exercise Training
	Note
	Part 2.
box 27, folder 7	Explosive Compression, Decompression and Recompression
	Note
	Includes articles by Hansjorg Kolder and others.
box 27, folder 8	Flow Volume - Literature
box 27, folder 9	Forced Oscillation
	Note
	Part 1.
box 27, folder 10	Forced Oscillation
	Note
	Part 2.
box 27, folder 11	Glomectomy: Mrs. Parker
	Note
	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
	Note
	With John West, et al.
box 27, folder 17	Lactic Acid, etc
box 28, folder 1	Miscellaneous Annotated Reprints of Others
	Note
	Part 1.
box 28, folder 2	Miscellaneous Annotated Reprints of Others
	Note
	Part 2.
box 28, folder 3	Miscellaneous Annotated Reprints of Others
	Note
	Part 3.

box 28, folder 4	Miscellaneous Annotated Reprints of Others Note Part 4.
box 28, folder 5	Miscellaneous Annotated Reprints of Others Note Part 5.
box 28, folder 6 box 28, folder 7 box 29, folder 1	Monge's Disease Nitrogen (N₂) Washout Oxygen Half-Saturation of Hemoglobin (P50) - 2,3 DPG, etc Note Part 1.
box 29, folder 2	Oxygen Half-Saturation of Hemoglobin (P50) - 2,3 DPG, etc Note Part 2.
box 29, folder 3 box 29, folder 4	Oxygen Half-Saturation of Hemoglobin (P50) with II-182 Oxygen Uptake (VO₂) Maximum - Training and Bedrest Note Part 1.
box 29, folder 5	Oxygen Uptake (VO₂) Maximum - Training and Bedrest Note Part 2.
box 29, folder 6 box 29, folder 7 box 29, folder 8 box 29, folder 9 box 29, folder 10 box 29, folder 11 box 29, folder 12 box 29, folder 13 box 29, folder 14 box 30, folder 1 box 30, folder 2	Patients at Altitude pH - Bicarbonate P_cO₂ POC-Buffer Diamox Physiology - Early Detection of Obstruction Physiology - Flow Physiology - Obstruction Physiology - Pulmonary Dynamics, Flow, etc Physiology - Pulmonary Mechanics, reprints Potassium and Altitude Sickness Pressure Breathing - Continuous Positive Pressure Pulmonary Function. Normal Standards - Literature Pulmonary Function Notes. Miscellaneous Note Part 1.
box 30, folder 3	Pulmonary Function Notes. Miscellaneous Note Part 2.
box 30, folder 4 box 30, folder 5 box 30, folder 6 box 30, folder 7	Pulmonary Hypertension Pulse Wave Velocity Rapid Decompression Rapid Decompression. Miscellaneous reprints Note Part 1.

box 30, folder 8	Rapid Decompression. Miscellaneous reprints Note Part 2.
box 30, folder 9 box 30, folder 10 box 30, folder 11	Rapid Decompression and Pulmonary Mechanics. Tests with Helmet and Mask Rapid Decompression and Pulmonary Mechanics. Tests without Helmet and Mask Rebreathing Project (Mixed Venous O₂). CO₂ Rebreathing and CO₂ Capacity of Lungs
box 31, folder 1 box 31, folder 2	Regulation of Breathing Regulation of Ventilation at Altitude Note Includes notes.
box 31, folder 3 box 31, folder 4 box 31, folder 5	Screening Tests for Obstructive Disease Exclusive of CV Sjostrand Methods. Total Circulating Hemoglobin Tables, graphs, et al., for values and calculations Note Part 1.
box 31, folder 6	Tables, graphs, et al., for values and calculations Note Part 2.
box 31, folder 7	Tables, graphs, et al., for values and calculations Note Part 3.
box 31, folder 8	Tables, graphs, et al., for values and calculations Note Part 4.
box 31, folder 9, oversize FB22705	Tables, graphs, et al., for values and calculations Note Oversize. Part 5.
box 31, folder 10	Why Does O_s/O₊ Become Smaller at Sea Level?

Prints, Slides and Films

box 32, folder 1	Aging Note Slides.
box 32, folder 2	Exercise and Carbon Dioxide Note Slides.
box 32, folder 3	Fifty-Five Thousand Feet, 12 Seconds - Rapid Decompression Note 16 mm. film.

box 32, folder 4	G-Forces in Monkey - Otto Gauer Note 16 mm film.
box 32, folder 5	Hypoxia, Temperature Note Slides.
box 32, folder 6	Lower Body Note Slides.
box 32, folder 7	Luft-Gauer 1979 Note Slides
box 32, folder 8	Manned Spacecraft Center's Sixteen Astronauts Note Prints.
box 32, folder 9	Pressure Chamber Note Prints
box 32, folder 10	Slides for Anaheim, Ulrich Luft and Loren G. Myhre Note Slides.
box 32, folder 11	Tests on Astronauts Note Slides.
box 32, folder 12	United States Air Force. School of Aviation Medicine, January and March 1951 Note Prints. Includes members of the Air University's Seventh Board of Visitors. Also, Dr. Boothby with General Benson.
box 32, folder 13	United States Air Force. School of Aviation Medicine. Exercise Testing Note Slides.

Lantern Slides

box 33, folder 1	Acclimatization Note Part 1.
box 33, folder 2	Acclimatization Note Part 2.
box 33, folder 3	Acute Hypoxia

box 33, folder 4	Aging, Male and Female. Body Composition
box 33, folder 5	
box 33, folder 6	
	Altitude, Acclimatization - Miscellaneous
	Altitude, Miscellaneous
	Note
	Part 1.
box 34, folder 1	Altitude, Miscellaneous
	Note
	Part 2.
box 34, folder 2	Circulation
box 34, folder 3	Closing Volume
box 34, folder 4	CO (carbon monoxide)
	Note
	Part 1.
box 35, folder 1	CO (carbon monoxide)
	Note
	Part 2.
box 35, folder 2	Continuous Positive Pressure Breathing - PEEP
box 35, folder 3	Distribution of VA - PFs
box 35, folder 4	Exercise and CO₂
	Note
	Part 1.
box 35, folder 5	Exercise and CO₂
	Note
	Part 2.
box 36, folder 1	Flow Volume
box 36, folder 2	Gas Exchange, V/Q, Acid Base
box 36, folder 3	Hemoglobin, CO Hb, P50
box 36, folder 4	Lower Body Negative Pressure and Heat
	Note
	Part 1.
box 37, folder 1	Lower Body Negative Pressure and Heat
	Note
	Part 2.
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
	Note
	Part 1.
box 38, folder 1	Temperature
	Note
	Part 2.

box 38, folder 2
box 38, folder 3

TBW [Total Body Weight?] 1975 - 1976
United States Air Force. School of Aviation Medicine. Micro Folio
TEACHING MATERIAL

box 39, folder 1
box 39, folder 2

Biology 251. Special Problems: Atmospheric Ions. Spring 1964
Biology 430L. Vertebrate Physiology: Respiratory System 1966 - 1970

Note

Includes course outline and notes.

box 39, folder 3

Cheyne-Stokes Breathing and the Cause of Sleep Apnea. Medicine Grand Rounds,
August 13 1981

Note

Includes reading list, notes and reprints of others.

box 39, folder 4

Discussion of Apparent Reduction of QS/QT on Going from Albuquerque to Sea Level

Note

Undated notes and reprints.

box 39, folder 5

First Year Curriculum. Pulmonary Section: Altitude Physiology 1963 - 1968

Note

Includes course outline, notes, typescript, and list of slides.

box 39, folder 6

Hematology Seminar. Hemoglobin, June 9 1971

Note

Notes.

box 39, folder 7

Pathophysiology of Chronic Obstructive Disease. April 1974

Note

Notes.

box 39, folder 8

Pulmonary 1 Block 1974 - 1985

Note

Includes course schedule and outline, notes, bibliography, and reprint.

box 39, folder 9

Pulmonary Function Course, Second Year Medicine. January 21 1977

Note

Notes.

box 39, folder 10

Pulmonary Seminars 1975 - 1982

Note

Includes course outlines, reading lists and material for the Chest Fellows Seminars, 1975-1976.

box 39, folder 11

Seminar. Advanced Respiratory Physiology: Acid Base Balance, October 15 1977

Note

Includes reading list, notes and graphs.

box 39, folder 12

Seminar. Gas Exchange 1979 - 1980

Note

Part 1.

box 39, folder 13	Seminar. Gas Exchange 1979 - 1980 Note Part 2. Includes notes, reading lists and reprints of others.
box 40, folder 1	Seminars. Concepts and Calculations in Respiratory Gas Exchange 1979 - 1980 Note Includes notes and definitions of symbols.
box 40, folder 2	Ventilation/Flow Lines for Albuquerque Note Undated course assignments and graphs.
box 40, folder 3	Veterans Administration Seminar, February 1975 Note Includes notes and reprints of others.

HIGH ALTITUDE EXPEDITIONS

	Nanga Parbat, 1937
box 40, folder 4	Bauer, Paul. "Nanga Parbat 1937" Note Undated article in German.
box 40, folder 5	Hartmann, Hans. "Tagebuchblätter von Hans Hartmann: Deutsche Himalaja Expedition 1937 zum Nanga Parbat" 1937 Note Typescript copy of Hans Hartmann's diary.
box 40, folder 6	Invitations to memorial services for the members of the German Nanga Parbat expedition, December 10 and 12 1937 Note Held at Friedrich Wilhelm University and the German Himalaya Foundation, Berlin. Includes program and typescript of remarks by Ulrich Luft.
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" 1937 Note Typescript. Includes two versions of a photograph shotlist.
box 40, folder 10	Luft, Ulrich. "Nach der Unglucksnacht am Nanga Parbat" 1937
box 40, folder 11	Luft, Ulrich. "Nanga Parbat" 1937 Note 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 1937 Note From April 15 to June 1, 1937. With Hans Hartmann.

box 40, folder 14	Luft, Ulrich. Notebook. Nanga Parbat: Physiologie 2 1937 Note From June 2 to September 6, 1937. With Hans Hartmann.
box 40, folder 15 box 40, folder 16	Luft, Ulrich. Notebook. Nanga Parbat Expeditions Tagebuch I 1937 Luft, Ulrich. Notebooks. Nanga Tagebuch 2 and Nanga Parbat 1937 - 1938 Note Bound together. Includes original leather case.
box 40, folder 17	Luft, Ulrich. Pressdienst Degeto, Dezember 1937 Note See also 6B) Nanga Parbat 1938. Kampf um den Himalaja... for published version.
box 40, folder 18	Luft, Ulrich. Rawalapindi, den 9 August 1938 Note Includes published English translation.
box 40, folder 19	Miscellaneous material, Nanga Parbat expedition 1937 Note 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.
box 41, folder 1	Nanga Parbat 1937 Note Handwritten English translations of articles from German newspaper accounts of the expedition. Includes copies of English and German newspaper reports on the disaster.
box 41, folder 2	Newspaper clippings on the Nanga Parbat expedition 1937 Note In English and German.
box 41, folder 3, oversize FB22704	Newspaper clippings on the Nanga Parbat expedition 1937 Note Oversize. In German.

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'" 1938 Note Includes cover letter to Bruno E. Werner.
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 1938**
Note
Notes on weather conditions, camps, and climbing activities on Nanga Parbat, June 3-13.
- box 41, folder 14 **Meteorologie 1938**
Note
Weather data collected by Rolf von Arlingensperg (?). Includes correspondence between Joachim Kuttner and the Deutsche Himalaja Stiftung.
- box 41, folder 15 **Mitteilungen der Deutschen Himalaja Stiftung 1938**
Note
Includes typescript copies of telegrams sent by Paul Bauer and Alexander Thoenes from Srinagar and several expedition campsites.
- box 41, folder 16 **Nanga Parbat 1938**
Note
16 mm film. Untitled original footage, black and white silent film. Includes VHS videotape transfer.
- box 41, folder 17 **Nanga Parbat 1938**
Note
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."
- box 41, folder 18 **Nanga Parbat, Berg de Kameraden: Tagebuercher der Deutschen Himalaja-Expedition 1938**
Note
Herausgegeben von der Deutchen 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.
- box 42, folder 1 **Newspaper clippings on the Nanga Parbat expedition 1938**
Note
In English and German.
- box 42, folder 2,
oversize FB22703 **Newspaper clippings on the Nanga Parbat expedition 1938**
Note
Oversize. In German.
- box 42, folder 3 **Photographs. Lantern slides**
Note
Includes map of western Himalayas, mountain scenes and climbers.
- box 42, folder 4 **Photographs. Nanga Parbat album 1938**
Note
Photocopies of album prints in numbered sequence.

box 42, folder 5	<p>Photographs. Nanga Parbat album 1938</p> <p>Note</p> <p>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.</p>
box 42, folder 6	<p>Photographs. Nanga Parbat</p> <p>Note</p> <p>Undated list of technical descriptions for photographs.</p>
box 42, folder 7	<p>Photographs</p> <p>Note</p> <p>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..."</p>
box 42, folder 8 box 42, folder 9, oversize MC03507	<p>Thermographic data 1938</p> <p>Vegetationskarte der Nanga-Parbat-Gruppe (Nordwest-Himalaja). Aufgenommen von Carl Troll... 1938</p> <p>Note</p> <p>Map.</p>

Nanga Parbat, 1942-1989

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

Miscellaneous

box 42, folder 14	<p>American K-2 Expedition 1975 - 1978</p> <p>Note</p> <p>Two postcards of K-2 signed by expedition members.</p>
box 42, folder 15, oversize AB00002 box 42, folder 16	<p>Ice axe</p> <p>Oberwalder Hutte, Gron Glockner 1943</p> <p>Note</p> <p>Prints. High altitude research station of the Luftfahrtmedizinische Forschungsinstitut in the Alps.</p>

box 42, folder 17

Jungfrauoch**Note**

Photograph (1939) and postcard (1960).

WRITINGS OF OTHERS

box 43, folder 1

AiResearch Manufacturing Company 1945 - 1945

box 43, folder 2

AiResearch Manufacturing Company 1956 - 1956

box 43, folder 3

Altmann, Hans-Werner 1941 - 1941

box 43, folder 4

Anthony, A. J. 1932 - 1936

box 43, folder 5

Asher, L. 1929 - 1929

box 43, folder 6

Ausschuss Flugzeugkonstruktion 1941 - 1941

box 43, folder 7

Bader, Dr. 1943 - 1943

box 43, folder 8

Bartels, Heinz 1949 - 1949

box 43, folder 9

Basler, Adolf 1944 - 1944

box 43, folder 10

Becker, Hermann 1936 - 1939

box 43, folder 11

Becker-Freyseng, Hermann 1944 - 1944

box 43, folder 12

Behnke, Albert R**Note**

Undated.

box 43, folder 13

Benzinger, Theodor 1934 - 1944

box 43, folder 14

Berry, Herbert L. 1953 - 1953

box 43, folder 15

Biedenkopf, Helmut 1936 - 1936

box 43, folder 16

Biehler, Wilhelm 1925 - 1925

box 43, folder 17

Bishoff, Dr. 1936 - 1936

box 43, folder 18

Blau, Marietta 1937 - 1937

box 43, folder 19

Boeri, E. 1946 - 1948

box 43, folder 20

Borgard, Werner 1934 - 1936

box 43, folder 21

Brandis, Hans Joachim von 1943 - 1943

box 43, folder 22

Brehme, T. 1927 - 1927

box 43, folder 23

Bruhl, W. 1942 - 1942

box 43, folder 24

Buchinger, Otto 1935 - 1935

box 43, folder 25

Buchner, Franz 1940 - 1943

box 43, folder 26

Burker, K. 1925 - 1930

box 43, folder 27

Chiodi, Hugo 1952 - 1952

box 43, folder 28

Christensen, Hohwu E. 1932 - 1937

box 44, folder 1

Clamann, H. G. 1937 - 1940

box 44, folder 2

Cremer, Hans-Diedrich 1943 - 1943

box 44, folder 3

Cremer, Werner 1929 - 1929

box 44, folder 4

Croce, Tommaso Lo Monaco 1948 - 1948

box 44, folder 5

Dichmann, Adam 1939 - 1939

box 44, folder 6

Dienst, C. 1943 - 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 - 1913

box 44, folder 11

Dunker, E. 1941 - 1943

box 44, folder 12

Ehrismann, O. 1934 - 1934

box 44, folder 13

Enghoff, Henrik 1949 - 1949

box 44, folder 14

Euler, U. S. 1937 - 1939

box 44, folder 15

Fasciolo, Juan Carlos 1949 - 1949

box 44, folder 16

Feinberg, R. S. 1937 - 1937

box 44, folder 17

Fleisch, Alfred 1931 - 1931

box 44, folder 18

Frank, E. 1948 - 1948

box 44, folder 19

Gauer, Otto H. 1936 - 1941

box 44, folder 20

Gedenkfeier fur F. H. Rein und E. Opitz 1954 - 1954

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 - 1933

box 44, folder 22

Goebel, F. 1937 - 1937

box 44, folder 23

Goralewski, Godehard 1935 - 1936

box 44, folder 24

Gordon, H. 1942 - 1942

box 45, folder 1

Grendel, G. 1944 - 1944

Note

Unpublished galley proofs.

box 45, folder 2

Gross and Romberg 1943 - 1943

box 45, folder 3

Hartmann, Hans 1930 - 1943

box 45, folder 4

Hepp, Gunther 1937 - 1937

box 45, folder 5

Herbst, Robert 1936 - 1936

box 45, folder 6

Hess, W. R. 1933 - 1943

box 45, folder 7

Hornberger, W. 1940 - 1942

box 45, folder 8

Hull, Weyland 1952 - 1952

box 45, folder 9

Jongbloed, J. 1933 - 1933

box 45, folder 10

Kaiser, W. 1928 - 1928

box 45, folder 11

Kalk, Heinz

Note

Undated.

box 45, folder 12

Kaunitz, Hans 1936 - 1936

box 45, folder 13

Kiese, Manfred 1941 - 1942

box 45, folder 14

Kleinschmidt, Karl 1947 - 1947

box 45, folder 15

Koch, A. 1939 - 1939

box 45, folder 16

Konig, F. H. 1943 - 1943

box 45, folder 17

Kornmuller, A. E. 1941 - 1941

box 45, folder 18

Kramer, Kurt 1941 - 1941

box 45, folder 19

Krayer, Otto 1949 - 1949

box 45, folder 20

Leiner, M

Note

Undated.

box 45, folder 21

Lenggenhager, K. 1942 - 1942

box 45, folder 22

Liechti, Margaret 1934 - 1934

box 45, folder 23

Lockheed Aircraft Corporation 1956 - 1956

Note

Prepared by E. E. Gibbens.

box 45, folder 24

Loeppky, Jack A. 1980 - 1980

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

box 45, folder 27

Lohmann, K. 1933 - 1933

box 45, folder 28

Lutz, W. 1942 - 1942

box 46, folder 1	Mader, A Note Undated.
box 46, folder 2	Mallison, R. 1940 - 1940
box 46, folder 3	Margaria, R. 1933 - 1934
box 46, folder 4	Mateeff, Dragomir 1935 - 1935
box 46, folder 5	Matsuoka, Kennosuke 1924 - 1924
box 46, folder 6	Matthes, Karl 1934 - 1936
box 46, folder 7	Mercker, Hermann 1949 - 1949
box 46, folder 8	Merk, Richard 1940 - 1940
box 46, folder 9	Millikan, G. A. 1936 - 1939
box 46, folder 10	Monge-Medrano, Carlos 1945 - 1945
box 46, folder 11	Muller, Erich A. 1942 - 1950
box 46, folder 12	Muralt, Alexander 1934 - 1937
box 46, folder 13	Neergard, K. V. 1926 - 1926
box 46, folder 14	Netter, H. 1939 - 1939
box 46, folder 15	Nick, Georg Heinrich 1914 - 1914
box 46, folder 16	Noell, Werner K. 1942 - 1944
box 46, folder 17	Ochwadt, Bruno 1947 - 1947
box 46, folder 18	Opitz, Erich 1935 - 1950
box 46, folder 19	Palme, F Note Undated.
box 46, folder 20	Pfleiderer, H. 1935 - 1935
box 46, folder 21	Pichotka, Josef 1942 - 1942
box 46, folder 22	Prusik, Karl 1940 - 1940
box 46, folder 23	Ranke, Otto F. 1931 - 1936
box 47, folder 1	Regener, Erich 1939 - 1939
box 47, folder 2	Rein, Hermann 1925 - 1946
box 47, folder 3	Rotamesser 1944 - 1944
box 47, folder 4	Sarre, H. 1935 - 1935
box 47, folder 5	Schennetten, F. 1944 - 1944
box 47, folder 6	Schmeiser, Kurt Note Undated.
box 47, folder 7	Schoedel, W. 1950 - 1950
box 47, folder 8	Scholtz v. Mereny, G. 1942 - 1942
box 47, folder 9	Schutz, Erich 1929 - 1945
box 47, folder 10	Schwiegk, H. 1933 - 1944
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 1949 - 1949 Note Lima, Peru.
box 47, folder 14	Thauer, R. 1940 - 1940
box 47, folder 15	Thorner, Melvin W. 1944 - 1944
box 47, folder 16	Tittel, Siegfried 1940 - 1940
box 47, folder 17	Tragbares Atemgerat mit Kohlensaurezustatz 1943 - 1943
box 47, folder 18	Valdivia, Enrique 1954 - 1954
box 47, folder 19	Velasquez, Tulio 1954 - 1954
box 47, folder 20	Venters, Michael D. 1979 - 1979
box 47, folder 21	Verzar, F. 1945 - 1945

box 47, folder 22	Violette, Francois 1954 - 1954
box 48, folder 1	Warburg, Otto 1931 - 1931
box 48, folder 2	Wendt, Lothar 1941 - 1941
box 48, folder 3	Werz, R. 1943 - 1943
box 48, folder 4	Wezler, Karl 1947 - 1947
box 48, folder 5	Widenbauer, F. 1942 - 1942
box 48, folder 6	Wiesinger, Klaus 1943 - 1949
box 48, folder 7	Wille, Heinrich 1940 - 1940
box 48, folder 8	Winterstein, Hans 1934 - 1934
box 48, folder 9	Wischnowitz, Emil 1936 - 1936
box 48, folder 10	Wittkower, E. 1933 - 1933
box 48, folder 11	Wohlisch, Edgar 1936 - 1936
box 48, folder 12	Zaeper, Gunther 1936 - 1936
box 48, folder 13	Zharov, S. G. 1961 - 1961
box 48, folder 14	Zimmer, Karl G. 1941 - 1941
box 48, folder 15	Zivilaschwili, A. S. 1961 - 1961
box 48, folder 16	Zuntz, N. 1908 - 1908
box 48, folder 17	Zunz, A. 1906 - 1906
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

Note

In German.

MEDICAL APPARATUS

box 49, folder 1	Miscellaneous small instruments for gathering and measuring physiological data.
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Note

Includes flow volume calculator, pulse timer.

ORIGINALS OF PRESERVATION PHOTOCOPIES

box 50, folder 1	Box 1 Folder 12 to Box 3 Folder 24
box 50, folder 2	Box 3 Folder 25 to Box 7 Folder 12
box 50, folder 3	Box 7 Folder 19 to Box 15 Folder 18