Descriptive Summary
Languages: English
Contributing Institution: Special Collections & Archives, UC San Diego
9500 Gilman Drive
La Jolla 92093-0175
Title: Thomas Hornbein Papers
Identifier/Call Number: MSS 0669
Physical Description: 24.4 Linear feet (60 archives boxes and 1 card file box)
Date (inclusive): 1958-2003
Abstract: Papers of Thomas Hornbein, M.D., professor emeritus at the University of Washington and a prominent anesthesiologist, physiologist, and mountaineer. The collection documents his scientific and exploratory achievements in the areas of high-altitude breathing and the regulation of brain/acid balance, notably including materials from the American Mount Everest Expedition where Hornbein and his climbing partner Willi Unsoeld reached the summit of Mount Everest via the West Ridge in 1963.

Scope and Content of Collection
Papers of Thomas Hornbein, M.D., professor emeritus at the University of Washington and a prominent anesthesiologist, physiologist, and mountaineer. The collection documents his scientific and exploratory achievements in the areas of high-altitude breathing and the regulation of brain/acid balance, notably including materials from the American Mount Everest Expedition where Hornbein and his climbing partner Willi Unsoeld reached the summit of Mount Everest via the West Ridge in 1963. Hornbein authored Everest: The West Ridge (1965) and co-edited, with Robert Schoene, High Altitude: An Exploration of Human Adaptation, and research files, manuscripts and drafts relating to these publications are in the collection. It also includes correspondence, papers on other significant mountain expeditions in China and Pakistan, documentation of Hornbein's professional affiliations, additional grant and research projects, and biographical materials. A modest portion of the collection relates to administrative records during his chairmanship of the University of Washington, Department of Anesthesia and his commitment to resident education.

Arranged in fifteen series: 1) CORRESPONDENCE, 2) WRITINGS BY HORNBEIN, 3) AMERICAN MOUNT EVEREST EXPEDITION (1963), 4) OTHER EXPEDITIONS, 5) LECTURES AND TALKS, 6) CONFERENCES AND SEMINARS, 7) SUBJECT FILES, 8) PROFESSIONAL AFFILIATIONS, 9) TEACHING MATERIALS, 10) GRANT MATERIALS, 11) RESEARCH PROJECTS, 12) UNIVERSITY OF WASHINGTON - DEPARTMENT OF ANESTHESIA, 13) BIOGRAPHICAL MATERIALS, 14) AUDIOVISUAL MATERIALS, and 15) DIGITAL MEDIA.

Biography
Born in 1930 in St. Louis, Missouri, Thomas Hornbein developed an early interest in geology and mountain exploration. He began his academic career as a geology major at the University of Colorado from (1948-1952) where he began teaching mountain rescue and first aid courses, prompting an interest in medicine. He returned to his hometown in St. Louis, Missouri, to attend medical school at Washington University School of Medicine (1952-1956) and then residency training and postdoctoral research (1957-1961). He continued his interest in high altitude and physiology of breathing as a NIH-supported research fellow with Dr. Albert Roos.

After holding an instructorship at Washington University, St. Louis, he served his military duty as a Lieutenant Commander in the United States Navy stationed in San Diego Naval Hospital (1961-1963), during which time he requested an honorable discharge to be a member of the American Mount Everest Expedition in 1963. With veteran mountaineer Willi Unsoeld, Hornbein reached the summit of Mount Everest on May 22, 1963, to become the first climbers to ascend the mountain via the West Ridge and to traverse down the other side. The team was presented with the National Geographic Society Hubbard Medal by President John F. Kennedy in July 1963.

Upon returning from the Everest expedition, Hornbein assumed a position as Assistant Professor, joint appointment in the Department of Anesthesiology and the Department of Physiology and Biophysics at the University of Washington in Seattle (1963). His tenure at UW continued as Associate Professor (1967), Professor (1970-2002), Chairman of the Anesthesiology Department, School of Medicine (1978-93), and Professor Emeritus (2002-present).

Dr. Hornbein's research has focused on the stimuli which prompt animals to breathe, particularly carotid body and central chemosensors and the regulation of brain acid base balance. His studies have yielded over 100 journal articles and book chapters. He also maintained editorial responsibilities for High Altitude: An Exploration of Human Adaptation, co-edited with Robert Schoene, M.D., which included more than twenty contributing authors. His editorial responsibilities have extended to the American Physiological Society, as an editor and book reviewer and to scholarly journals such as Anesthesiology and the Journal of Applied Physiology.
Dr. Hornbein's interest in expedition and mountaineering has led him to climbs in Karakoram in Pakistan and China. In addition to his international expeditions, he has climbed Mount Rainier in Washington and Long's Peak in Colorado. The climb of Masherbrum peak (1960) provided a unique experience for Hornbein, prompting him, with the support of the Maytag Company, to devise a single-valved oxygen mask more effective for high altitude climbing. The concept mask was subsequently created for the Everest climb in 1963.

Dr. Hornbein currently lives in Estes Park, Colorado and continues his interest in mountaineering and high altitude adaptation medicine.

Publication Rights
Publication rights are held by the creator of the collection.

Preferred Citation
Thomas Hornbein Papers, MSS 669. Special Collections & Archives, UC San Diego.

Acquisition Information
Acquired 2005.

OFF-SITE STORAGE
COLLECTION STORED OFF-SITE. ALLOW ONE WEEK FOR RETRIEVAL OF MATERIALS.

Restrictions
Original sound and videorecordings and digital media in Series 14 and 15 are restricted. Researchers must request user copies be produced.

Subjects and Indexing Terms
Everest, Mount (China and Nepal) -- Description and travel
Everest, Mount (China and Nepal) -- Discovery and exploration
Mountain sickness
Altitude, Influence of
Everest, Mount (China and Nepal) -- Environmental conditions
Hornbein, Thomas F., 1930- -- Archives
American Mount Everest Expedition (1963)

CORRESPONDENCE
Scope and Content of Series
Series 1) CORRESPONDENCE: Hornbein's incoming and outgoing correspondence with researchers in the fields of high altitude medicine and anesthesiology, professional organizations, colleagues, and researchers. The letters are arranged alphabetically by correspondent.

Box 1, Folder 1 General - A
Box 1, Folder 2 Abrams, Susan B. 1992 - 1994
          General note
          Includes "Development of an Optical Fiber Fluorescence Sensor for General Anesthetics Based on Liposome Phase Transitions" - Dissertation.

Box 1, Folder 3 Agostini, Rosemary, M.D. 1989 - 1993
Box 1, Folder 4 Allen, Steve, M.D. 1990 - 1994
Box 1, Folder 5 American Board of Anesthesiology 1983 - 1995
Box 1, Folder 6 American Himalayan Foundation 1994 - 2003
Box 1, Folder 7 American Medical Association 1991 - 1996
Box 1, Folder 8 Anderson, Diane M. (University of Washington Medical Center) 1991
Box 1, Folder 9 Anesthesia Patient Safety Foundation 1987 - 1992
Box 1, Folder 10 Ashbaugh, David, M.D. (University of Washington- Department of Surgery) 1990
Box 1, Folder 11 Atkins, Ferrel 1995 - 1996
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<th>Heavner, James E. (Texas Tech University Health Sciences Center- Department of Anesthesiology) 1990 - 1995</th>
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<td>Box 4, Folder 16</td>
<td>Hillary, Sir Edmund 1969 - 1991</td>
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<td>Himalayan Club 1992</td>
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<td>Box 4, Folder 18</td>
<td>Hlastala, Michael P., Ph.D. (University of Washington- Department of Medicine) 1988 - 1999</td>
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<td>Hoffman, Paul G. 1993</td>
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<td>Hooper, Ted 1980 - 1995</td>
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<td>Box 5, Folder 3</td>
<td>Hornbein, Beth 1998</td>
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<td>Hornbein, Lynn (daughter) 1979 - 1983</td>
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<td>Huey, Raymond B. (University of Washington- Department of Zoology) 1996</td>
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<td>Ingle, Kathryn 1994</td>
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<td>Jamieson, Peter 1984 - 1985</td>
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<td>Jenkins, Marion Thomas (M.I.T.), M.D. 1989 - 1994</td>
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<td>Box 5, Folder 12</td>
<td>Johnson, Eric S., M.D. 1983 - 1988</td>
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<td>Box 5, Folder 13</td>
<td><em>Journal of the American Medical Association</em> 1999</td>
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<td>Joint Commission on Accreditation for Heath for Healthcare Organizations (JCAHO) - Visit 1995</td>
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<td>Kaplan, Joel A., M.D. 1985 - 1986</td>
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<td>Kellog, Ralph, M.D. 1983 - 1990</td>
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<td>Keuss, Chris (University of Washington- Parking Division) 1984 - 1988</td>
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<td>Kitz, Richard J., M.D. (Harvard Medical School- Department of Anesthesia) 1985 - 2005</td>
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<td>Knauer, Jeffrey S. 1995</td>
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<td>Kneller, Albert William, M.D. 1982 - 1987</td>
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<td>Knill, Richard L., M.D. 1985 - 1988</td>
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<td>Kraft, George H., M.D. (University of Washington- chairman) 1984 - 1990</td>
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<td>Krause, William L., M.D. (Dartmouth Medical School) 1990 - 1998</td>
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<td>Box 6, Folder 3</td>
<td>Landau, William M., M.D. (University of Washington Medical Center- Professor of Neurology) 1988 - 1992</td>
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<td>Larson, Eric 1996 - 1999</td>
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<td>Lecky, John H., M.D. (University of Washington) 1998 - 1999</td>
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<td>Lenfant, Claude, M.D. 1999</td>
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<td>Lester, James T. 1974 - 1984</td>
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<td>Levine, Benjamin D., M.D. 1994 - 1998</td>
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<td>Box 6, Folder 9</td>
<td>Liebeskind, John C. 1996 - 1997</td>
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<td>Lilly Research Laboratories- A Division of Eli Lilly and Company 1990</td>
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<td>Box 6, Folder 11</td>
<td>Lindahl, Sten, M.D. 1992 - 1996</td>
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<td>Box 6, Folder 12</td>
<td>Liu, Spencer, M.D. 1995</td>
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<td>Box 6, Folder 13</td>
<td>Loeper, John D., M.D. (University of Washington School of Medicine- Neurological Surgery and Anesthesiology) 1997</td>
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<td>Box 6, Folder 14</td>
<td>Longnecker, David E., M.D. (University of Pennsylvania Health System- Department of Anesthesia) 1996</td>
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<td>Box 7, Folder 1</td>
<td>Mackie, Ken, M.D. (University of Washington assistant professor) 1991 - 1995</td>
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<td>Mander, Rosemary, Ph.D. (senior lecturer) 1996</td>
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<td>Mangano, Dennis, M.D. 1991 - 1996</td>
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Box 7, Folder 4  Masuyama, Shigeru, M.D. (Chiba University- Department of Chest Medicine) 1990 - 1997
Box 7, Folder 5  Mayer, Jonathan D., Ph.D. (University of Washington- professor) 1992 - 1995
Box 7, Folder 6  Maytag, Ellen (Madsen) 1979 - 1986
Box 7, Folder 7  McCleskey, Ed, M.D. (Washington University- professor) 1991
Box 7, Folder 8  Milledge, James S., M.D. 1986
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Box 7, Folder 10  Moceri, Jonathon (University of Washington- resident) 1995
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Box 8, Folder 3  Newfield, Philippa, M.D. (University of California, San Francisco- Department of Anesthesia) 1979 - 1988
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Box 9, Folder 15  Rosse, Cornelius, Ph.D. (University of Washington- Department of Biological Structure) 1987 - 1995
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<th>Box 9, Folder 16</th>
<th>Rothman, Steven M., M.D. (Washington University- Department of Neurology) 1996 - 1999</th>
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<td>Box 10, Folder 1</td>
<td>Rutland, John McCord (University of Washington - Department of Management and Organization) 1983</td>
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<td>Saidman, Lawrence J., M.D. (University of California, San Diego- Department of Anesthesiology) 1990</td>
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<td>Schoene, Robert, M.D. (Harborview Medical Center) 1980 - 1998</td>
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<td>Sessler, Alan D., M.D. 1987</td>
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<td>Severinghaus, John W., M.D. 1987 - 1999</td>
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<td>Shafran, Brad 1999 - 2001</td>
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<td>Shapiro, Yoram 1993 - 1995</td>
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<td>Siesjo, Bo K., M.D. 1977 - 1994</td>
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<td>Sorensen, Soren C., M.D. 1969 - 1979</td>
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<td>Box 11, Folder 10</td>
<td>Stanski, Donald R., M.D. (Stanford University School of Medicine- Department of Anesthesia) 1994 - 1995</td>
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<td>Box 11, Folder 11</td>
<td>Stark, Pete (Congressman) 1991 - 1993</td>
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<td>Box 11, Folder 12</td>
<td>Stoler, Eric, M.D. 1991 - 1992</td>
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<td>Stolov, Walter C., M.D. (University of Washington- professor and chairman) 1987 - 1989</td>
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<td>Stuart, Jim 1995</td>
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<td>Takaro, Tim 1984 - 1989</td>
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<td>Townes, Brenda, Dr. (University of Washington- School of Medicine- Psychiatry and Behavioral Sciences) 1986 - 1997</td>
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<td>Tucker, Gary, M.D. (Department of Psychiatry and Behavioral Sciences) 1987 - 1990</td>
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| Box 12, Folder 15 | Ward, Denham S., M.D., Ph.D. (University of Rochester Medical Center- Department of Anesthesiology) 1995 |
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Box 13, Folder 5-6  General- Y-Z
Box 13, Folder 7  Zapol, Warren 1984 - 1993
Box 13, Folder 8  Unidentified correspondents

WRITINGS BY HORNBEIN

Scope and Content of Series

A) Everest: The West Ridge: Correspondence, drafts, and edited gallery proofs for Hornbein's book, a pictorial and narrative account of the first ascent over the West Ridge of Mount Everest by Hornbein and Willi Unsoeld as part of the American Mount Everest Expedition, 1963.


C) Articles: Organized chronologically, representing published and non-published reprints and book chapters researched and authored by Hornbein and others between 1964 and 2001. The files contain correspondence related to publication, page proofs, drafts, and copies of original articles.


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*Everest: The West Ridge*

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Box 13, Folder 10  Concept notes and drafts
Box 13, Folder 11-12  Correspondence 1964 - 1975
Box 13, Folder 13  Correspondence 1980 - 1989
Box 14, Folder 1  Inceptions 1963

- General note
- Includes typescript draft of radio transmissions.

Box 14, Folder 2-4  Handwritten draft
Box 14, Folder 5-6  First typescript draft
Box 14, Folder 7  Second typescript draft
Box 15, Folder 1-3  Second typescript draft, cont
Box 15, Folder 4  Galley copy with edits 1963
Box 15, Folder 5-6  First proof galley with edits 1963
Box 15, Folder 7  Second edition, revised introduction

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Thomas Hornbein Papers  MSS 0669
### Articles

| Box 24, Folder 1 | "The Effect of Polycythemia on Respiration," *Journal of Clinical Investigation* 1958 |
| Box 24, Folder 2 | "Effect of Mild Hypoxia on Ventilation During Exercise," *Journal of Applied Physiology* 1962 |
| Box 24, Folder 3 | "Inevitable, Why?" *Washington University Magazine* 1964 |
| Box 24, Folder 4 | "A Data Acquisition System for Clinical Research," *Journal of Clinical Monitoring* 1966 |
| Box 24, Folder 5 | "Medicine for Mountaineering" 1967 |
| Box 24, Folder 6 | "Chemical Regulation of Ventilation," *Textbook of Physiology and Biophysics* 1968 |
| Box 24, Folder 7 | "Carotid Chemoreceptor Response to Hypoxia and Acidosis in Cats Living at High Altitude," *Journal of Applied Physiology* 1969 |
| Box 24, Folder 8 | Anesthesiology Training Committee. *Clinical Training in Anesthesiology, National Institutes of Health* 1969 |
| Box 24, Folder 10 | "The H-Reflex as a Measure of Anesthetic Potency in Man," *Anesthesiology* 1969 |
| Box 24, Folder 12 | "Nitrous Oxide Effects on the Circulatory and Ventilatory Responses to Halothane," *Anesthesiology* 1969 |
| Box 24, Folder 13 | "Role of Muscle Spindles in Lower Extremities in Breathing During Bicycle Exercise," *Journal of Applied Physiology* 1969 |
| Box 24, Folder 14 | "Ventilatory Response to Hypoxia and Hypercapnia in Cats Living at High Altitude," *Journal of Applied Physiology* 1969 |
| Box 24, Folder 15 | "Ventilatory Stability in the Anesthetized Experimental Animal," *Journal of Applied Physiology* 1969 |
| Box 24, Folder 16 | "Effect of Hypoxia on Carotid Chemoreceptor Response," *Anesthesiology* 1970 |
| Box 24, Folder 17 | "The Expert’s Opine," *Survey of Anesthesiology* 1970 |
| Box 24, Folder 18 | "Hidden Hazards of the McKesson Narmatic Anesthesia Machine," *Anesthesiology* 1970 |
| Box 24, Folder 19 | "A Hypoxic Tail," *Anesthesiology* 1970 |
| Box 25, Folder 1 | "Effect of Anesthetics on Respiration: To Sigh or Not to Sigh?" 1972 |
Box 25, Folder 2  
*Mountain Search and Rescue Techniques* - Introduction 1972

Box 25, Folder 3  
"The Cardiovascular Effects of Morphine Sulfate with Oxygen and with Nitrous Oxide in Man," *Anesthesiology* 1973

Box 25, Folder 4  
"The Chemical Regulation of Ventilation," *Physiology and Biophysics* 1974

Box 25, Folder 5  
"Failure of a High Compliance Low Pressure Cuff to Prevent Aspiration," *Anesthesiology* 1974

Box 25, Folder 6  
"Anesthesia: Inhaled or Injected?" 1975

Box 25, Folder 7  
"Distribution of H+ and HCO-3 Between CSF and Blood During Metabolic Acidosis in Dogs," *American Journal of Physiology* 1974

Box 25, Folder 8  
"The Hypoxic Brain" 1975

Box 25, Folder 9  
"Immunization Requirements and Health Information for International Travelers," *Public Health* 1975

Box 25, Folder 10  
"Inability to Reverse Pancuronium Blockade in a Patient with Renal Failure and Hepatic Disease," *Anesthesiology* 1975

Box 25, Folder 11  
"Clinical Interpretation of Blood Gases," *ASA Refresher Courses in Anesthesiology* (Volume 5 and 6) 1977

Box 25, Folder 12  
"Thoughts While High," *Trail and Timberline* 1977

Box 25, Folder 13  

Box 25, Folder 14  
"The Control of Breathing," *Basics of RD* 1978

Box 25, Folder 15  
"Organ and Tissue Disturbances Produced By Acid-Base Abnormalities," *Extrapulmonary Manifestations of Respiratory Disease* 1978

Box 25, Folder 16  
"When Mountains and Men Meet," *University of Washington Medicine* 1978

Box 25, Folder 17  
"Clinical Implications of Acid-base Imbalance" 1979

Box 26, Folder 1  

Box 26, Folder 2  
"Acetazolamide Prophylaxis of Acute Mountain Sickness" 1982

Box 26, Folder 3  

Box 26, Folder 4  
"Electrical Correlates of Brain Injury Resulting from Severe Hypotension and Hemodilution," *Anesthesiology* 1982

Box 26, Folder 5  
"Human Cerebral Function at Extreme Altitude," *Man at High Altitude* 1982

Box 26, Folder 6  
"Hypercadnia," *Seminars in Anesthesia* 1982

Box 26, Folder 7  
"Nitrous Oxide Mac" 1982

Box 26, Folder 8  
"Profound Hypotension in Dogs: Brain Electricity Activity and Organ Integrity," *Anesthesiology* 1982

Box 26, Folder 9  
"Everest Without Oxygen," Third International Banff Hypoxia Symposium 1983

Box 26, Folder 10  

Box 26, Folder 11  
"Prolonged Succinylcholine Blockade in Renal Failure," *Anesthesiology* 1983

Box 26, Folder 12  
"To Breathe or Not to Breathe," *Anesthesiology* 1983

Box 27, Folder 1  

Box 27, Folder 2  
"Cerebrospinal Fluid Acid-Base Regulation in Moderate Hypothermia" 1984

Box 27, Folder 3  
"Inadvertent Inspiration of Carbon Dioxide," *Anesthesiology* 1984

Box 27, Folder 4  
"The Location of the Barrier to Diffusion of Small Ions Between Blood and Brain," *Anesthesiology* 1984

Box 27, Folder 5-6  
"Anesthetics and Ventilatory Control," *Effects of Anesthesia* 1985

Box 27, Folder 7  
"Control of Respiration," *Physiology and Biophysics* 1985

Box 28, Folder 1-2  

Box 28, Folder 3  
"Neuropsychological Changes in a Young, Healthy, Population Following Controlled Hypotensive Anesthesia," *Anesthesia and Analgesia* 1986

Box 28, Folder 4  
"Severinghaus, John" - Biographical editorial and interview 1986 - 1995

Box 28, Folder 5  
"Prolonged Hypocapnia Does Not Alter the Rate of CSF Production in Dogs During Halothane Anesthesia..." *Anesthesiology* 1987

Box 28, Folder 6  
"Drugs and Post-operative Recovery of Ventilation" 1988

Box 28, Folder 7  

Box 28, Folder 8  

Box 28, Folder 9  
Notes on conversation with Larry Rowell - Hypoxia Effects June 23, 1988

Box 28, Folder 10  
Articles

Box 29, Folder 1  "The 28th Rovenstine Lecture: Lessons From on High," *Anesthesiology* 1991
Box 29, Folder 4  Wood Library, Museum of Anesthesiology - Living history interview project with Edmond Eger, M.D. 1992 - 2002
Box 29, Folder 5  "Lessons Learned from the Propofol Supplement: Problems Quality, Authorship, and Journal Reputation" 1993
Box 29, Folder 6  "The Cost of 'High-poxia'," *Indian Mountaineer* 1995
Box 29, Folder 7  "Life is a Mountain: Into Thin Air and Beyond," *Open Spaces* 1997 - 1998
Box 29, Folder 8  "Heroes: Voices from the Summit" 2001
Box 29, Folder 10  Editorial - Includes "Chairman's Corner" from University of Washington, Department of Anesthesiology
Box 29, Folder 11  "Effect of Ventilation on Cerebral Oxygenation"
Box 29, Folder 12  How to Build a Tent in Twelve "Confusing" Steps
Box 29, Folder 13  Miscellaneous unidentified
Box 29, Folder 14  Undated interview with Thomas Hornbein

Editorial Book Reviews

Box 30, Folder 1-6  1980 - 1994
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**AMERICAN MOUNT EVEREST EXPEDITION (1963)**

Scope and Content of Series

Series 3) AMERICAN MOUNT EVEREST EXPEDITION (1963): The bulk of this series is correspondence related to the organization of the AMEE and post-expedition experiences. The expedition, supported in part by the National Geographic Society and headed by Swiss-American mountaineer Norman Dyhrenfurth, placed the first Americans atop Mount Everest and pioneered the West Ridge ascent accomplished by Hornbein and William Unsoeld. Arranged in five subseries: A) Pre-expedition Correspondence, B) Post-expedition Correspondence, C) Correspondence between Thomas and Gene Hornbein, D) Equipment and Medical Materials, and E) Miscellaneous.

A) Pre-expedition Correspondence: Between 1961 and 1963, Hornbein was in correspondence with the Maytag Company regarding the manufacture of a newly designed high altitude oxygen mask. The Pre-expedition Correspondence represents the interaction between expedition team members including Norman Dyhrenfurth and Willi Unsoeld regarding testing of the mask and general organizational issues. Also included are the letter exchange for the original refusal for Hornbein's release from the United States Navy and then subsequent honorable discharge on the recommendation of Robert Sargeant Shriver.

B) Post-expedition Correspondence: Dating from 1964-1981, documents Hornbein's reflections on the Everest expedition, acceptance letters for lectures on the expedition, and publishing offers for his forthcoming book. In 1963, he accepted an assistant professorship, Joint Appointment in the Department of Anesthesiology and the Department of Physiology and Biophysics at the University of Washington School of Medicine, resulting in correspondence with John Bonica, M.D., and other UW medical faculty.

C) Correspondence between Thomas and Gene Hornbein: Copies of handwritten letters written from February to June, 1963, during the Everest Expedition.

D) Equipment and Medical Materials: Various equipment and supply lists necessary to the expedition. Also included is research data on the Maytag oxygen mask. The subseries is arranged alphabetically.

E) Miscellaneous: Includes expedition newsletters and bulletins, photographs of Willi Unsoeld and Thomas Hornbein, and organizational materials concerning both the 20th and 25th anniversary celebrations of the 1963 Everest Expedition.

Thomas Hornbein Papers  MSS 0669  12
AMERICAN MOUNT EVEREST EXPEDITION (1963)

Pre-expedition Correspondence

Pre-expedition Correspondence

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<th>Box 31, Folder 5</th>
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<td>Restrictions</td>
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<th>Box 31, Folder 6-7</th>
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<th>Box 32, Folder 6-7</th>
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<td>Box 33, Folder 1-8</td>
<td>1964 - 1981</td>
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<td>Box 33, Folder 9</td>
<td>Undated</td>
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<tr>
<td>Box 33, Folder 10</td>
<td>Unsoeld, William (Willi) 1962 - 1964</td>
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Correspondence between Thomas and Jean Hornbein

| Box 34, Folder 1 | 1963, February-June |

Equipment and Medical Materials

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<th>Box 34, Folder 2</th>
<th>American Mount Everest Expedition - Food guide 1963</th>
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<td>Box 34, Folder 3</td>
<td>Equipment and supply list 1963</td>
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<td>Box 34, Folder 4</td>
<td>Equipment research - Maytag mask</td>
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<td>Box 34, Folder 5</td>
<td>List of food boxes 1963</td>
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<td>Box 34, Folder 6</td>
<td>Notebook - Equipment research data 1961 - 1962</td>
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Miscellaneous

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<th>Box 34, Folder 7</th>
<th>Newsletters 1958 - 1963</th>
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<td>Box 34, Folder 8</td>
<td>Photographs - Includes Willi Unsoeld, Thomas Hornbein and Mount Everest, West Ridge 1963</td>
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<tr>
<td>Box 34, Folder 9</td>
<td>20th Anniversary Reunion American Mount Everest Expedition - Correspondence &amp; clippings May 1983</td>
</tr>
<tr>
<td>Box 34, Folder 10</td>
<td>25th Anniversary Reunion American Mount Everest Expedition - Correspondence, clippings &amp; photographs May 1988</td>
</tr>
</tbody>
</table>

OTHER EXPEDITIONS

Scope and Content of Series

Series 4) OTHER EXPEDITIONS: In addition to the expedition to Everest, Thomas Hornbein continued his mountaineering with expeditions to China and Pakistan. The American Meili Snow Mountain Expedition (1989) was a return friendship mission to China coordinated with the China International Sports Travel. Hornbein had previously participated in an expedition with the American-Muztagh team along with veteran climber Nicholas Clinch to China in 1985 with a similar purpose of facilitating cooperation in mountaineering. The series also includes materials related to the two expeditions to Pakistan, Masherbrum peak in 1960, and Paijua in 1974. The trip in 1960 caused Hornbein to redesign the oxygen masks used for high altitude breathing. The papers, arranged alphabetically by title of expedition, include correspondence, diary accounts, equipment and medical lists, notes, and photographs.

American Meili Snow Mountain Expedition

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<th>Box 35, Folder 1</th>
<th>Audio recorded account 1988 - 1989</th>
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<td>Box 35, Folder 4</td>
<td>Equipment lists 1987 - 1989</td>
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<tr>
<td>Box 35, Folder 5</td>
<td>Maps and photographs 1988 - 1989</td>
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OTHER EXPEDITIONS

Box 35, Folder 6  Record notebooks 1988 - 1989
American-Pakistan Karakoram Expedition (Masherbrum La)

Box 35, Folder 7  Bulletins 1960
Box 35, Folder 8-10  Correspondence 1959 - 1962
Box 35, Folder 11  Correspondence between Thomas and Gene Hornbein 1960
Box 36, Folder 12  Diary account 1960
Box 36, Folder 1  Equipment and medical lists 1960
Box 36, Folder 2  Photographs 1960
Box 36, Folder 3  China trip - Cancelled May 1989

China Xinjiang - America Mudztagh (Ulugh Muztagh) Expedition

Box 36, Folder 4  Bulletins 1985
Box 36, Folder 5-6  Correspondence 1985 - 1989
Box 36, Folder 7  Equipment lists 1985
Box 36, Folder 8  Log book, Volume 1 - Includes loose notes 1985
Box 36, Folder 9  Photographs 1986 - 1989
Box 36, Folder 10  Related articles
Box 36, Folder 11  Madagascar - Research 1993

Pakistan-American Karakoram Expedition (Paiju and Masherbrum La)

Box 37, Folder 1-3  Correspondence 1970 - 1977
Box 37, Folder 4  Diary account 1974
Box 37, Folder 5  Equipment lists 1974
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Box 37, Folder 7  Photographs and newspaper clippings 1974

LECTURES AND TALKS

Scope and Content of Series
Series 5) LECTURES AND TALKS: Arranged by lecture title, this series includes a portion of presentations given by Hornbein between 1966 and 1991. The papers include transcripts, notes, and visual aids from the lectures.

Box 37, Folder 8-9  28th Emery Rovenstine Lecture: Lessons From on High 1989
Box 38, Folder 3  Acclimatization lecture
Box 38, Folder 4  Aging Lung November 15, 1983
Box 38, Folder 5  Evan Frederickson lecture June 3, 1988
Box 38, Folder 6  Graduation speech - University of Washington School of Medicine graduation June 2, 1990
Box 38, Folder 7  Leffingwell lecture - "Afterthoughts: Anesthesia, Anoxia and Anticipation" 1992
Box 38, Folder 8  Mountain Rescue Association Banquet, speech by Willi Unsoeld and Thomas Hornbein November 28, 1969
Box 38, Folder 9  "PO2: What is the Optimum Level and How Can It Be Maintained?" - Clinical Pathological Conference November 1, 1969
Box 38, Folder 10  Program flyers and invitations 1976 - 1987
Box 38, Folder 11  Resident lecture on high altitude December 7, 1967
Box 38, Folder 12  "Surviving the Elements: Long Term Survival" - Continuing Medical Education, Seattle August 21, 1986
Box 38, Folder 13  "Three Princes of Serendip" lecture
Box 38, Folder 14  Visiting lecturers and meetings
Box 38, Folder 15  Index 1966 - 1986
Box 39, Folder 1-2  1966 - 1969
Box 39, Folder 1-2  1970 - 1986

CONFERENCES AND SEMINARS

Scope and Content of Series
Series 6) CONFERENCES AND SEMINARS: Arranged alphabetically by title of conference. Materials document Hornbein's travel to conferences and seminars, and include correspondence, brochures, notes, and speech transcripts.
<table>
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<th>Box 39, Folder 3</th>
<th>2nd International Research Conference: Molecular Mechanisms of Anesthesia, Seattle, Washington June 14-16, 1979</th>
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<tbody>
<tr>
<td>General note</td>
<td>&quot;Welcome and Opening Remarks&quot; - Presenter.</td>
</tr>
<tr>
<td>Box 39, Folder 4</td>
<td>2nd World Congress on High Altitude Medicine and Physiology, Cusco, Peru September 24-27, 1996</td>
</tr>
<tr>
<td>General note</td>
<td>&quot;What's Left of the Brain After High Altitude?&quot; - Speaker.</td>
</tr>
<tr>
<td>Box 39, Folder 5</td>
<td>3rd Annual Washington Physicians Health Program Reunion, Washington April 4-6, 1997</td>
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<tr>
<td>Box 39, Folder 6</td>
<td>3rd Banff International Hypoxia Symposium, Banff, Alberta, Canada January 25-28, 1983</td>
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<tr>
<td>Box 39, Folder 7</td>
<td>3rd Meeting of the International Society for Medical Gases, Heidelberg, Germany September 29-October 1, 1999</td>
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<td>General note</td>
<td>Special lecture - &quot;Everest: Then and Now.&quot;</td>
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<tr>
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<tr>
<td>Box 39, Folder 9</td>
<td>4th World Congress on Mountain Medicine and High Altitude Physiology, Arica, Chile October 1-6, 2000</td>
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<tr>
<td>Box 39, Folder 10</td>
<td>5th Annual Winter Wilderness Medicine, Keystone, Colorado March 6-11, 1995</td>
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<tr>
<td>General note</td>
<td>Social and Environmental Perspectives on Health and Wilderness, &quot;Risk. An Evening with Tom Hornbein and Peter Croft&quot; - lecture.</td>
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<tr>
<td>Box 39, Folder 11</td>
<td>6th Annual Vail Conference in Anesthesiology, Vail, Colorado February 2-9, 1980</td>
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<tr>
<td>General note</td>
<td>&quot;Clinical Implications of Acid-Base Imbalance.&quot;</td>
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<td>Box 39, Folder 12</td>
<td>8th International Hypoxia Symposium, Alberta, Canada February 9-13, 1993</td>
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<td>Box 39, Folder 13</td>
<td>9th International Symposium on Hypoxia and Mountain Medicine, Chateau Lake Louise, Canada February 14-18, 1995</td>
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<tr>
<td>Box 39, Folder 14</td>
<td>10th Anniversary of Walkabout Journal Senior Trip, Chattanooga, Tennessee May 21-29, 1986</td>
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<td>Box 39, Folder 15</td>
<td>11th Annual Washington Physicians Health Program Reunion April 22-24, 2005</td>
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<tr>
<td>General note</td>
<td>&quot;Wearing Masks, 1: Spousal Denial and Enabling.&quot;</td>
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<tr>
<td>Box 39, Folder 16</td>
<td>11th International Hypoxia Symposium, Alberta, Canada February 27- March 3, 1998</td>
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<tr>
<td>General note</td>
<td>&quot;Frontiers of Neuroscience&quot; - Chair.</td>
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</table>
| Box 39, Folder 17 | **12th Peter and Eva Safar Annual Leadership in Medical Sciences and Humanities, University of Pittsburgh May 2, 1991**  
General note  
| Box 39, Folder 18 | **16th Annual Society of Academic Anesthesia Chairmen, Inc. Meeting, Washington, D.C. November 6-7, 1983**  
General note  
"Recruiting of Residents-Coping with Plenty" - Panel. |
| Box 39, Folder 19 | **17th George and Lorna Aagaard Lecture on Medicine and Society, University of Washington May 22, 1996**  
Box 40, Folder 1 | **21st Western Anesthesia Residents Conference, Seattle, Washington April 29- May 1, 1983**  
General note  
"Introductory Remarks" - Speaker. |
| Box 40, Folder 2 | **25th Annual Western Anesthesia Residents Conference, San Francisco, CA April 24-26, 1987**  
Box 40, Folder 3 | **27th Annual Banff Mountain Festival Summit, Alberta, Canada October 29 - November 3, 2002**  
Box 40, Folder 4 | **27th Annual Utah Postgraduate Course in Anesthesiology: Anesthesia and the Lung, Utah February 12-16, 1982**  
General note  
"Regulation of Ventilation: Fundamentals," "Fundamentals of Clinical Acid-Base Diagnosis and Interpretation," "Regulation of Ventilation: Anesthetic and Drug Effects" - Lecture. |
| Box 40, Folder 5 | **30th Annual Western Anesthesia Residents Conference, Salt Lake City, Utah April 3-5, 1992**  
Box 40, Folder 6 | **33rd Annual Midwest Anesthesia Conference: Ralph Waters Award, Chicago, IL May 3-5, 1996**  
General note  
"Serendipity and Risk" - Lecture. |
| Box 40, Folder 7 | **35th Annual Refresher Course Lectures and Clinical Update Program, New Orleans October 13-17, 1984**  
General note  
"pH and the Anesthesiologist-Part 1 and 2" - Lecture. |
| Box 40, Folder 8 | **37th Annual Postgraduate Course in Anesthesiology: Anesthesia and the Lung, Utah February 28-March 3, 1992**  
General note  
"Brain Hypoxia," "Lactic Acidosis and Tissue Hypoxia" - Lecture. |
| Box 40, Folder 9 | **37th Annual Refresher Course Lectures and Clinical Update Program, Las Vegas October 17-21, 1986**  
General note  
"Anesthetics and Ventilatory Control" - Lecture. |
| Box 40, Folder 10 | **37th Annual Western Anesthesia Resident Conference, Seattle, Washington April 17, 1999** |
   General note  
   "Life and Death on Denali," "Risk and Risk Taking" - Lecture.

Box 40, Folder 12  133rd Annual Dinner Alpine Club, London December 8, 2001
Box 40, Folder 13  1984 ASA Workshop on Research Funding October 15, 1984
Box 40, Folder 14  1993 Western Anesthesia Residents Conference, Sacramento, CA April 16-18, 1993
Box 40, Folder 15  1999 Grace Hassler Annual Lectures, Oklahoma City November 18, 1999  
   General note  
   "Life is a Mountain" - Lecture.

Box 40, Folder 16  Advances in Family Practice with Advanced Cardiac Life Support Pathway, Seattle, WA September 10-14, 1984  
   General note  
   "Mt. Everest Revisited: Hypoxic Ruminations" - Lecture.

Box 40, Folder 17  Advances in Physiology and Pharmacology in Anesthesia and Critical Care, Wake Forest University November 2-5, 1997  
   General note  
   Bowman Gray School of Medicine Special lecture, "High Altitude Physiology: Climbing Mount Everest."

Box 40, Folder 18  Albert Einstein Society and Corporate Partners Annual Dinner with screening of "Everest" November 9, 1998  
Box 40, Folder 19  Alumni of the Century, University of Colorado, Boulder 1977  
   General note  
   "Some Thoughts While High" - Lecture.

Box 40, Folder 20  American Alpine Club Annual Meeting, Seattle, WA December 2-4, 1983  
   General note  

Box 40, Folder 21  American College of Sports Medicine Annual Meeting and Pan Pacific Conference, Hawaii May 24-26, 1979  
Box 40, Folder 22  American Physiological Society Intersociety Conference: The Integrative Biology of Exercise October 16-19, 1996  
Box 41, Folder 1  Annual General Meeting of the Swedish Society of Medicine, Stockholm, Sweden November 25-28, 1991  
   General note  
   "Hypoxia - Chocolate or Vanilla?" "Risk" - Lecture.

Box 41, Folder 2  Annual Society of Academic Anesthesia Chairmen, Inc. Meeting, Chicago October 27-28, 1984  
   General note  
   "Research Career Development of Faculty: Responsibilities of the Chairman" - Speaker.

Box 41, Folder 3  Association of University Anesthesiologists 43rd Annual Meeting, Boston May 16-19, 1996  
Box 41, Folder 4  Association of University Anesthesics Annual Meeting, Philadelphia February 11-13, 1965  
Box 41, Folder 5  The Bonicas Remembered: Challenges for Pain Research and Management in the 21st Century, Seattle March 7-8, 1996
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<td>Update July 19-21, 1985</td>
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<td>Conference on Human Error in Anesthesia, Pacific Grove, CA February 27- March 1,</td>
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<td>Continuing Education Committee of Anaesthetists of New Zealand Annual Scientific Meeting 2000</td>
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<td>Box 42, Folder 3</td>
<td>Dallas County Anesthesiology Society Annual Social Event, Dallas, TX March 8-10, 1990</td>
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<td>Department of Anesthesiology 3rd Annual Academic Evening, Duke University Medical Center May 16-18, 1995</td>
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<td>&quot;Discussion and Awards Presentation&quot; - Guest discussant/judge.</td>
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<td>Box 42, Folder 5</td>
<td>Eastern Sierra Mountainfest, Bishop, CA October 25-26, 2002</td>
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<td>Box 42, Folder 6</td>
<td>Eastside Catholic High School Library National Honor Society Induction Ceremony - Guest speaker 1995</td>
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<tr>
<td>Box 42, Folder 7</td>
<td>Everest: The West Ridge, A Dedication to the 1963 Everest Expedition, University of Washington May 22, 1983</td>
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<td>&quot;High-Poxic&quot; - Lecture. Includes film strips.</td>
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<td>Box 42, Folder 8</td>
<td>Festsymposium i anledning af Olaf B. Paulsons 60 ars fodselsdag, Auditorium I, Rigshospitalet August 25, 2000</td>
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<td>&quot;Thoughts While High&quot; - Speaker.</td>
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Box 42, Folder 9  
**Forum Davos International Symposium: "Mountain Medicine," Safety in Alpinism, Switzerland September 14-17, 1988**

*General note*

"Limitations to Performance at Extreme Altitudes. Does Climbing to Extreme Altitude Cause Brain Damage?" - Lecture.

Box 42, Folder 10  
**Graduation speech at Harvard Medical School, Boston June 15, 1994**

Box 42, Folder 11  
**Highland school visit 1999**

Box 42, Folder 12  
**History of Anesthesia lecture at Columbia-Presbyterian Medical Center, New York, NY September 18-20, 1995**

Box 42, Folder 13  
**Hypoxia Workshop Program, August Krogh Institute, Copenhagen January 18-20, 1997**

*General note*

"Overview of Human Acclimatization to Hypoxia: Central Nervous System," "The Brain" - Speaker.

Box 42, Folder 14  
**IMAX Premiere: Everest, the Movie, Denver, CO March 8, 1998**

Box 42, Folder 15  
**Institute of Medicine 1993 Annual Meeting, Washington DC October 18-19, 1993**

Box 43, Folder 1  

Box 43, Folder 2  
**International Congress of Mountain Medicine, Casino Kursall, Interlaken (Switzerland) August 27-30, 1997**

*General note*

"Expedition/Trekking Medicine 1" - Chairman.

Box 43, Folder 3  
**International Scientific Congress: Sport and Mountain, Chamonix, France February 2-8, 1992**

*General note*

"Superior Functions, Sleep and Ventilation in High Altitude" - Speaker.

Box 43, Folder 4  
**Introduction to Clinical Medicine, University of Washington February 5, 1986**

*General note*

"Facing Our Mistakes" - Panel.

Box 43, Folder 5  
**Julius H. Comroe Memorial Symposium: Chemoreceptors and Reflexes in Breathing, University of Pennsylvania March 26-28, 1987**

*General note*


Box 43, Folder 6  
**Katahdin Medical and Philosophical Society’s Annual Dinner, Philadelphia, PA September 30, 1972**

*General note*

"Man, Mountains and Altitude. Problems of Adaptation."

Box 43, Folder 7  
**Keystone ECMO Conference, Denver, CO February 26- March 2, 1995**

*General note*

"Mountain Climbing and the Effect of High Altitude on Neurologic Outcome" - Speaker.

Box 43, Folder 8  
**King County Medical Society Historical Committee, Seattle 2001**

*General note*

"Thoughts While High" - Speaker.
**Krogh Centenary Symposium- Capillary Exchange, Pulmonary Edema and Respiratory Adaptations October 14-16, 1974**  
General note  
"Regulation of Brain ECF Acid Base" - Speaker.

**Longs Peak Reunion Historical Symposium, Estes Park, CO August 1991**  
General note  
"Longs Peak as Training for Everest Climbers."

**Los Alamos National Laboratory Colloquium Series, Los Alamos, NM January 9, 2001**  
General note  
"Lesson from on High - Cherishing Uncertainty," "Everest Every Now and Then" - Presenter.

**Meetings 1993**  
Meridian Park School visit 1998  
Mt. Bachelor Winter Sport and Mountain Medicine Conference, Bend, OR March 13-16, 1985  
General note  
"Medical Problems at High Altitude" - Speaker.

**Northwest American Everest Expedition '88, Mount Everest August-October 1988**  
Northwest Hospital's Tuesday Grand Rounds, Seattle, WA May 31, 1994  
General note  
"Highpoxia" - Lecture.

**Operation Everest II, Denver, CO April 1-4, 1986**  
Pinnacle Peak Event, Mt. Rainier National Park 1985 - 1995  
Resident Special - Ethical Issues in Medicine, University of Washington April 3, 1997  
Resident Special - Substance Abuse: Critical Issues, University of Washington October 8, 1998  
Resident Teaching Special on Ethics - "Who Speaks for the Patient..." University of Washington January 19, 1995  
General note  
"...Ethical Dilemmas for the Anesthesiologist."

**Robert D. Dripps Memorial Conference, Philadelphia, PA May 4-6, 1981**  
General note  
"Anesthesics and Ventilatory Control," "Hypoxia and Pulmonary Hypertension in Mountain Climbers" - Speaker.

**Rudi Schmidt Symposium: From Mountains to Molecules, University of California, San Francisco June 16, 1989**  
General note  
"Mountain Metaphors" - Lecture.

**Society of Academic Anesthesiology Chairs/Association of Anesthesiology Program Directors November 6-8, 1992**  
General note  
"CA-3- What Should it Be?" - Panelist.
Box 44, Folder 8  
**Surviving the Elements, University of Washington School of Medicine August 11-13, 1988**

*General note*


Box 44, Folder 9  
**Symposium on Acute Mountain Sickness Type R September 9, 1978**

**Symposium on Anesthesia and Respiratory Dysfunction, University of British Columbia January 28-29, 1983**

*General note*

"Regulation of Ventilation-Current Relevance to Anesthesia," "Regulation of Ventilation-Anesthetic and Drug Effects" - Speaker.

Box 44, Folder 10  
**Two Continuing Medical Education Programs: Sports Medicine and Perinatal Critical Care February 14-28, 1981**

*General note*

"Altitude Physiology and Sickness," "Mountain Medicine" - Speaker.

Box 44, Folder 11  
**University of Cincinnati Medical Center - Site visit and accessment**


*General note*

"Some Thoughts While High" - Lecture.

Box 44, Folder 12  
**University of Pennsylvania Resident Recognition Dinner, Union League of Philadelphia June 15, 1996**

**University of South Florida Visiting Professor, Tampa, Florida, January 23-24 1992**

*General note*

"Hypoxia- Chocolate or Vanilla"- Lecture.

Box 44, Folder 13  
**Villa Academy school - Speaker 2001**

**Washington Physicians Health Program Board of Director’s Meeting, Seattle, WA October 30, 1996**

**Washington Physicians Health Program Board of Director’s Meeting, Seattle, WA January 29, 1997**

**Washington State Society of Anesthesiologists**

**Annual Meeting: Living With Your Mistakes, Seattle September 12, 1992**

**Conference, Seattle, WA April 14, 1984**

*General note*

"Teaching the Young; Modification of Practice" - Speaker.

Box 45, Folder 16  
**Seafair II Anesthesia Meeting July 24-26, 1980**

*General note*

"New Concepts in Local Anesthetic Action and Toxicity" - Moderator.

Box 45, Folder 17  
**Seafair III Anesthesia Meeting, Seattle, WA July 24-26, 1981**

*General note*

"The Trunk and Upper Extremities" - Moderator.

Box 45, Folder 18  
**Seafair IV Anesthesia Meeting, Seattle, WA July 23-24, 1982**

*General note*

"Complications and Toxicity of Regional Anesthesia" - Moderator.
Box 45, Folder 8  Seafair VI Anesthesia Meeting, Seattle, WA July 27-29, 1984
  General note

Box 45, Folder 9  Seafair VII: Anesthesia Care in Traumatized Patient August 2-4, 1985
  General note
  "Hypoxia and Hypotension" - Speaker, "Homeostatic Mechanisms and Major Trauma" - Moderator.

Box 45, Folder 10  Seafair X: Regional Anesthesia: An Update July 29-31, 1988
  General note
  "Risk" - Moderator.

Box 45, Folder 11  Washington University Medical Center Alumni Association Reunion 1986, Washington May 3, 1986
Box 45, Folder 12  Wilderness Medical Society's Fifth Annual Winter Wilderness Medicine Conference March 6-11, 1995
  General note
  "Risk: An Evening with Tom Hornbein and Peter Croft."

Box 45, Folder 13  Wilderness Medicine Society Seminar, Alyeska, Alaska February 8-10, 1996
Box 45, Folder 14  Winter Survival and Medical Emergencies Seminar, Mount Rainier National Park January 13-19, 1968
Box 45, Folder 15  Winter Wilderness Medicine Conference, Steamboat Springs, CO February 1-5, 1997
  General note
  "High Altitude and the Brain," "Cost of 'High-Poxia'" - Panel.

SUBJECT FILES
Scope and Content of Series
Series 7) SUBJECT FILES: Includes source materials on high altitude pulmonary edema, with two separate files on John Bonica, M.D. and William Unsoeld. The files consist of correspondence, biographies, and memorabilia.

Box 45, Folder 17  Airplane cabin air quality 1994 - 1995
Box 46, Folder 1-3  Bonica, John, M.D. 1960 - 1997
Box 46, Folder 4  Cholesterol 1987 - 1995
Box 46, Folder 5  Ethics - Pharmaceutical companies 1983 - 1998
Box 47, Folder 1-2  High Altitude Pulmonary Edema 1959 - 1992
Box 47, Folder 3  Jokes 1983 - 1997
Box 47, Folder 4  Lactic Acidosis, Type A - Includes research and notes 1978
Box 47, Folder 5  Living with your mistakes 1976 - 1992
Box 47, Folder 6  Managed care 1995
Box 47, Folder 7  Prostatectomy 1994 - 1995
Box 48, Folder 1  Quotes (climbing) 1986 - 1996
Box 48, Folder 2  Sherpa - Godfrey Productions 1982 - 1988
Box 48, Folder 3-4  Unsoeld, William F. (Willi)
PROFESSIONAL AFFILIATIONS

Scope and Content of Series
Series 8) PROFESSIONAL AFFILIATIONS: Materials include correspondence and meeting minutes for Hornbein's chairmanship of the Scientific Advisory Board of the American Society of Anesthesiologists, president of the Association of University Anesthetists, section chairman for the Institute of Medicine, and member of the board of directors for the Washington Physicians Health Program. Arranged alphabetically by organization.

Box 48, Folder 5-6
American Alpine Club, Cascade section 1963 - 2000
American Society of Anesthesiologists - Correspondence
1988 - 1993
Box 49, Folder 1
1994 - 1996
Box 49, Folder 2-3
Association of University Anesthesiologists - Correspondence 1981 - 1996
Central Asia Institute - Correspondence 2000 - 2002
Central Asia Institute - Correspondence 2000 - 2002
Box 49, Folder 6
Himalayan Club 1964
Box 49, Folder 7-8
Institute of Medicine (National Academy of Sciences) - Correspondence 1990 - 1996
Box 49, Folder 9
Mountain Rescue Council (Seattle Unit) - Correspondence 1964

Washington Physicians Health Program
Box 49, Folder 10
Correspondence 1988 - 1995
Box 50, Folder 1-2
Meeting agenda and minutes 1998 - 1999
Box 50, Folder 3
Box 50, Folder 4
Wilderness Medical Society 1988 - 1991

TEACHING MATERIALS

Scope and Content of Series
Series 9) TEACHING MATERIALS: In addition to curriculum planning committees, Hornbein served as a faculty lecturer for the University of Washington School of Medicine courses in human biology-physiology, anesthesiology residency courses, and physiology courses. The materials include class syllabi, notes, lecture materials and slides, and are arranged alphabetically by course title.

Box 50, Folder 5
Human Biology 541 - The Respiratory System 1994 - 2001
Physiology and Biophysics Seminar
Box 50, Folder 6
526 - Regulation of Respiration by Chemoreceptors 1980
Box 50, Folder 7
513 - Respiratory Physiology 1979
Box 50, Folder 8
507 - Cardiovascular-Renal-Respiratory-Physiology 1986 - 1997
Box 50, Folder 9
516 1964 - 1976
516 1977 - 1990
Box 51, Folder 1-3

GRANT MATERIALS

Scope and Content of Series
Series 10) GRANT MATERIALS: The grant materials are arranged into funded expeditions and research projects. Hornbein advised the American Medical Research Expedition to Everest (AMREE, 1981) headed by John West, M.D., Operation Everest II (1982-1985), and the Ultima Thule Everest Expedition (1984). The research from studying the AMREE participants of the Operation Everest II project, resulted in the Human Cerebral Function at Extreme High Altitudes grant investigated by Thomas Hornbein, Brenda Townes, M.D. and Robert Schoene, M.D. The material includes grant proposals, correspondence, data research, and notes.

Box 51, Folder 4-6
American Medical Research Expedition to Everest, Scientific Advisory Board Committee - Correspondence 1978 - 1984
Operation Everest II
Box 51, Folder 7
"Human Cerebral Function at Extreme High Altitude," research project proposal 1981 - 1982
Box 52, Folder 1-2
Correspondence 1982 - 1999
Box 52, Folder 3-4
Ultima Thule Everest Expedition - Correspondence 1981 - 1984
RESEARCH PROJECTS

Scope and Content of Series
Series 11) RESEARCH PROJECTS: Materials vary from formal multi-participant studies to individual scientific subject-based analysis. The files, arranged alphabetically by topic or title of research, date from research conducted between 1959 and 1999. Material types range from computation notebooks to graph analyses. Included are papers documenting the Delphi Study on Directions in Anesthesia Research, of which Hornbein was the principal investigator.

Box 52, Folder 5
Acute Mountain Sickness Study (Mount Rainier Rolaids Study) 1975 - 1983
Association of University Anesthetists - Delphi Study of Directions in Anesthesia Research
Report - Hornbein, "Respiration"

Box 52, Folder 6-7
Cerebral Blood Flow Study 1967

Box 53, Folder 1
Report - Hornbein, "Respiration"

Box 53, Folder 2
Cerebrospinal Fluid Acid Base Balance and Regulation of Ventilation in Chronic Metabolic Acidosis/Alkalosis 1969

Box 53, Folder 3
Chemoreceptors: Stimulus-Response Relation

Box 53, Folder 4
Comparison of the Effect of "Equivalent" Alveolar Concentrations of Halothane and Halothane-N2O Mixture on Ventilation and Cardiac Output 1966

Box 53, Folder 6-8
Comparison of the Effects of Halothane and Halothane-N2O Mixture on the Circulatory Response to CO2- Study 1966 - 1968

Box 53, Folder 9
Comparison of Russian and Maytag masks 1997

Box 53, Folder 10
Effect of Anesthetic Drugs and Muscle Relaxants on Esophageal Sphincteric Function - Human Subject Review Committee application 1976

Box 53, Folder 11
Effect of Curare on Ventilation 1972

Box 53, Folder 12
Effect of Fusimotor on Ventilation During Exercise 1966

Box 53, Folder 13
Effect of Inhaled Oxygen Tension on the Respiratory Response to Metabolic Alkalosis 1965

Box 53, Folder 14
Halothane hepatotoxicity

Box 53, Folder 15
Hessel phi gzdez 2100 kkh phi Ph 293368 - Notebook, Copenhagen 1970 - 1971

Box 54, Folder 1
Hyperbaric Oxygen 1963

Box 54, Folder 2
Manpower Study - Physician to Population Ratios for Washington and Washington Area Medical Institute 1972 - 1973

Box 54, Folder 3
Morphine study 1970

Box 54, Folder 4
N2 Transient Breathing Experiments and Hypoxic Response to Exercise 1959 - 1960

Box 54, Folder 5
Neurophysiology of Chemoreceptor (Carotid Body) Function July 1959

Box 54, Folder 6
NOVA, "Seven Summits": A Series of Scientific Expeditions to the Highest Peak on Each of the Seven Continents 1999

Box 54, Folder 7
Protective Effect Low Molecular Weight Dextran Against Tissue Injury from Freezing - Project 1962 - 1963

Box 54, Folder 8-9
Specialization and Performance in Anesthesiology - Resident performance assessment 1986 - 1993

Box 54, Folder 10
Summary of grant awards 1984

Box 54, Folder 11
Unidentified research

UNIVERSITY OF WASHINGTON - DEPARTMENT OF ANESTHESIA

Scope and Content of Series
Series 12) UNIVERSITY OF WASHINGTON - DEPARTMENT OF ANESTHESIA: Administrative papers from during the tenure of Thomas Hornbein as professor and department chairman. Includes interdepartmental correspondence, meeting minutes for various internal committees including the Clerkship Planning Group and the UW Mountain Climbing Review Committee, and papers on the School of Medicine Residency Program.

Box 55, Folder 1-3
Interdepartmental Correspondence 1970-2002
Meeting Minutes

Box 55, Folder 4
Clerkship Planning Group 1972 - 1973

Box 55, Folder 5
General departmental 1993 - 1999
Box 55, Folder 6 | Schedules 1979 - 1997
---|---
Box 55, Folder 7-8 | University of Washington Mountain Climbing Review Committee - Correspondence, meeting minutes and reports 1971 - 1974
---|---
Box 56, Folder 1-2 | School of Medicine Residency Program correspondence 1974-1987, 1990-1999

**BIOGRAPHICAL MATERIALS**

Scope and Content of Series

Series 13) BIOGRAPHICAL MATERIALS: Includes newspaper articles featuring Hornbein, mostly related to the American Medical Everest Expedition; curriculum vitae; photographs; interviews; biographies; and memorabilia.

Box 56, Folder 3 | Biographies
---|---
Box 56, Folder 4 | Class reunion memorabilia 1970 - 2000
---|---
Box 56, Folder 5 | Curriculum vitae
---|---
Box 56, Folder 6 | *Heart of Success: Conversation with Notable Achievers*. Interview with Thomas Hornbein "Mountaining Pioneer" 2000

Box 56, Folder 7 | Interview with Thomas Hornbein - Transcript March 20, 1995
---|---
Box 56, Folder 8 | Letters of congratulations 1967 - 2004
---|---
Box 56, Folder 9 | Medical practice licensure
---|---
Box 56, Folder 10 | Memorabilia
---|---
Box 56, Folder 11 | Miscellaneous notes 1977 - 2001

Newspaper articles

Box 56, Folder 12 | 1945 - 1963
---|---
Box 57, Folder 1-3 | 1963 - 1966
---|---
Box 57, Folder 4-5 | 1970 - 2004
---|---
Box 57, Folder 6 | Photographs - Conferences
---|---
Box 57, Folder 7 | Photographs of family
---|---
Box 57, Folder 8 | Photographs of Thomas Hornbein
---|---
Box 57, Folder 9 | Photographs of Thomas Hornbein with others
---|---
Box 57, Folder 10 | St. Louis Society's Medical Museum brochure - Includes description of exploration equipment donated by Thomas Hornbein 1967

Box 57, Folder 11 | *Who's Who* achievements 1980 - 2004
---|---
Box 57, Folder 12 | Awards and certificates

**AUDIOVISUAL MATERIALS**

Scope and Content of Series

Series 14) AUDIOVISUAL MATERIALS: Recordings from the American Medical Everest Expedition in the form of radio sound transmission conversations during the expedition on reel-to-reel tapes. Also included are video recordings of lectures given by Hornbein and the *Anesthesia: Inhaled or Injected?* instructional tapes.

American Mount Everest Expedition - Radio transmissions

Box 58, Folder 1 | Dictaphone belt recordings 1963
---|---

Restrictions

Restrictions Apply

Box 58, Folder 2 | Narrated recounting of conversations (reel-to-reel) 1963 April 15
---|---

Restrictions

Original restricted (digital version available).

Box 58, Folder 3 | Tape 1 (reel-to-reel) 1963 April 13-26
---|---

Restrictions

Original restricted (digital version available).

Box 58, Folder 4 | Tape 2 (reel-to-reel) 1963 April 26-May 4
---|---

Restrictions

Original restricted (digital version available).
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<th>Box</th>
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<th>Date</th>
<th>Restrictions</th>
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<tr>
<td>59</td>
<td>1</td>
<td><strong>Tape 3</strong> (reel-to-reel) 1963 May 9-20</td>
<td></td>
<td>Restrictions &lt;br&gt; Original restricted (digital version available).</td>
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<tr>
<td>59</td>
<td>2</td>
<td><strong>Tape 4</strong> (reel-to-reel) 1963 May 20-24</td>
<td></td>
<td>Restrictions &lt;br&gt; Original restricted (digital version available).</td>
</tr>
<tr>
<td>59</td>
<td>3</td>
<td>Anesthesia and the Control of Breathing, University of Washington, School of Medicine</td>
<td>1984 Nov 30</td>
<td>Restrictions</td>
</tr>
<tr>
<td>59</td>
<td>4</td>
<td>Lung Physiology in Health and Disease, Anesthesiology (audiocassette)</td>
<td>1976 Oct 4</td>
<td>Restrictions &lt;br&gt; Restrictions Apply</td>
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<tr>
<td>59</td>
<td>5</td>
<td>Anesthesia: Inhaled or Injected?, University of Washington, School of Medicine - Part I</td>
<td>1976</td>
<td>General &lt;br&gt; 16mm film &lt;br&gt; Restrictions &lt;br&gt; Restrictions Apply</td>
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<tr>
<td>59</td>
<td>6</td>
<td>Anesthesia: Inhaled or Injected?, University of Washington, School of Medicine - Part II</td>
<td></td>
<td>Restrictions &lt;br&gt; Restrictions Apply &lt;br&gt; General &lt;br&gt; 16mm film</td>
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<td>FS</td>
<td>138</td>
<td>In Their Own Words, University of Washington, Anesthesiology Research Center</td>
<td></td>
<td>Restrictions &lt;br&gt; Restrictions Apply</td>
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<td>FS</td>
<td>139</td>
<td>&quot;Into the Death Zone,&quot; Research data - Climbers test, NOVA 1997</td>
<td></td>
<td>restrictions</td>
</tr>
<tr>
<td>60</td>
<td>1</td>
<td><strong>Tapes 1 and 2</strong> (VHS)</td>
<td></td>
<td>Restrictions &lt;br&gt; Restrictions Apply &lt;br&gt; General &lt;br&gt; Base camp test; Camp 2 test; Carter’s interview re: tests and anxiety.</td>
</tr>
<tr>
<td>60</td>
<td>2</td>
<td><strong>Tapes 3 and 4</strong> (VHS)</td>
<td></td>
<td>Restrictions &lt;br&gt; Restrictions Apply &lt;br&gt; General &lt;br&gt; Camp 4; South summit, Seattle, and final.</td>
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<td>Box 60, Folder 3</td>
<td>Hypoxia: Limits of Adaptation - Lecture given for Society of Anesthesiologists, Chicago, Illinois (VHS) 1987 January 8</td>
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<tr>
<th>Box 60, Folder 4</th>
<th>Limits of Hypoxia - Fourth Annual Ernest O. Henschel Memorial Lectureship (U-Matic tape) 1984 November 29</th>
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**DIGITAL MEDIA**

Scope and Content of Series

Series 15) DIGITAL MEDIA: Floppy diskettes of chronological correspondence, drafts of articles, and other writings.

<table>
<thead>
<tr>
<th>Box 61</th>
<th>Born digital media, including 3.5&quot; floppy disks</th>
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