National Museum of Health and Medicine

Otis Historical Archives

OHA 104
Atomic Bomb Material

Date of Records: 1945-1973

Size: 45 boxes


Access and Use: The Otis Historical Archives is committed to providing open access to its collections as far as possible within the limits of privacy and confidentiality. Access to this collection is at the discretion of the OHA and material contained within the records may be subject to review before access is granted. Files containing private patient information are currently closed to researchers.

Series/Scope and Content Note: The material in this collection is primarily from the Armed Forces Institute of Pathology’s Atomic Bomb Unit, which stored specimens and photographs from Hiroshima and Nagasaki (much of it was returned to Japan). The collection includes correspondence, reports, and photographs from the Atomic Bomb Casualty Commission (ABCC), Army-Navy Joint Commission, Atomic Energy Commission, and Army Medical College, Tokyo. Additional material includes ephemera and both professional and popular publications. Related material in other parts of OHA includes film footage of atomic bomb effects in Japan taken by General DeCoursey, which is cataloged in NMHM Audio-Visual Collection. Other related material can be found in the ABCC Collection at the Houston Academy of Medicine, Texas Medical Center Library, 1133 MD Anderson Blvd., Houston, Tx, 77030.

Related material: OHA 104.05: Atomic Bomb Casualty Commission Microfilm. This collection consists of two cabinets of microfilm of patient records from Hiroshima and Nagasaki, collected through the Atomic Bomb Casualty Commission. Some records may be cross-referenced with AFIP cases. Records are partially in English and Japanese. Patient records are closed except to patients and legal next-of-kin.

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SERIES 001: JOINT COMMISSION MEDICAL REPORTS, VOL. 1-6

The Report of the Joint Commission for the Investigation of the Effects of the Atomic Bomb on Japan was prepared by the Army Institute of Pathology and the Office of the Air Surgeon. American investigators were joined by Japanese in collecting data, coordinating photographic teams, compiling statistics, and conducting pathological investigations. The six-volume report included 11 sections: Section 1 (introduction, general remarks, roster of personnel); Section 2 (physics of atomic explosions, residual radioactivity, and appendix of leukocyte counts of residents); Section 3 (general description of Hiroshima and Nagasaki); Section 4 (resumés of original Japanese reports on medical studies); Section 5 (clinical observations); Section 6 (hematology); Section 7 (bone marrow studies); Section 8 (Pathology); Section 9 (statistical evaluation); Section 10 (population and casualties numbers); Section 11 (study of casualty rates in certain buildings).

SERIES 002: PHOTOGRAPHS

These photographs consist of black & white and color prints, positives, and negatives, as well as a few lantern slides. Many need to be archivally re-housed. Includes photographs related to atomic bomb tests and various aspects of the effects of the atomic bomb on Hiroshima and Nagasaki.

SERIES 003: REPORTS AND REPRINTS

This series includes miscellaneous reports pertaining to atomic energy and the effects of the atomic bomb, including official American and Japanese reports, eyewitness accounts, and coverage in the popular press.

SERIES 004: JOINT ARMY-NAVY COMMISSION (JANC) 1973 TRANSFER

This series includes lists of JANC materials returned to the government of Japan, along with titles of photographs and lantern slides. Items include a sequential listing of case materials by AFIP accession number. The list also reflects elements included with the cases such as folders, slides, paraffin blocks, gross tissues, and photographic items. Additional items include correspondence regarding exchange of information and summary translations of Japanese materials. Photographs of AFIP personnel and Japanese officials document the transfer, which included a commemorative scroll.

SERIES 005: ARMED FORCES INSTITUTE OF PATHOLOGY (AFIP) MATERIALS AND CASE FILES

This series includes correspondence, charts and graphs related to clinical observations, surgical studies, autopsy material, casualty rates, and the effects of the atomic bombs. Additional materials include policy-related documents, reprints from the Radiation Pathology Department, listings of accessioned cases, and photomicrographs of cases.

SERIES 006: AFIP PATIENT ACCESSION RECORDS BOOKS

This series includes information on patients from record books, which are divided into columns that provide the following data: accession numbers, dates received, name of patient, material received, identification number, source, and/or contributor. The files are separated into boxes by accession
number, which include the range from numbers 240001-260000 and 340000-369102.

**SERIES 007: ILLUSTRATIONS AND LANTERN SLIDES**

Box 031 includes three original illustrations, two copies, and thirty-five 2”x2” slides of the effects of radiation on retinas from the Atomic Bomb Casualty Commission, along with an article published on the subject. Boxes 032 through 043 contain lantern slides, which include aerial and ground photos after the bombs; clinical photos; pathology images; charts and graphs on effects of atomic bombs; informational/lecture slides. See Box 014 for a listing of the slides in the JANC materials returned to the government of Japan.

**SERIES 008: RADIATION EFFECTS RESEARCH FOUNDATION (RERF)**

This series includes annual reports, technical research reports, bibliographies, commentaries, reviews, and the newsletter and pamphlets produced by RERF. RERF, formerly the Atomic Bomb Casualty Commission, was established in April 1975 as a private nonprofit Japanese foundation, supported equally by the government of Japan through the Ministry of Health and Welfare, and the government of the United States through the National Academy of Sciences under contract with the Department of Energy. Also includes conference proceedings and miscellaneous reprints.

**SERIES 001: JOINT COMMISSION MEDICAL REPORTS, VOL. 1-6**

**Box 001:**

00001: *Joint Commission for the Investigation of the Effect of the Atomic Bomb in Japan. Medical Report. Volume 1: Section 1, 2, 3H, and 3N; index to other volumes in this series*


**Box 002:**


**Box 003:**


Box 004:


Box 005:


00002: Joint Commission for the Investigation of the Effect of the Atomic Bomb in Japan. Medical Report. Volume 6: Sections 10H, 10N, 11H, and 11N. This ORIGINAL COPY is falling apart and is not used for reference or research

Box 006:


Box 007:


SERIES 002: PHOTOGRAPHS

Box 008:

00001: Photographs, charts and photomicrographs, effects of the atomic bomb in Nagasaki

00002: Photographic prints and negatives from Hiroshima

00003: Slides, probably copies of lantern slides, and lantern slide lists

00004: Negatives relating to the effects of the Atomic Bomb showing radioactive fallout

Box 009:

00001: Prints and negatives from first atomic bomb test at Bikini Lagoon, Able Day, 1 July 1946 (Envelopes 1-16) [#17 missing]

(Envelopes 18-23); Underwater atomic bomb test at Bikini Lagoon, 25 July, 1946 (Envelope 24)

00003: Atomic Bomb blast, Operation Crossroads, Bikini Lagoon, July 1946

00004: Hydrogen Blasts in the Marshall Islands (Envelopes 25-33)

00005: Atomic blasts at Nevada Proving Grounds and New Mexico (Envelopes 34-49)

00006: Slides of atomic bomb test at Bikini Lagoon, explosion only (Envelope 50); Unidentified atomic bomb explosions (Envelopes 51-54)

00007: Effects of atomic bomb and radiation on various life forms

00008: Further atomic bomb test in the Marshall Islands, 1948-1956 (Envelopes 55-63)

00009: Miscellaneous unidentified photographs of atomic bomb tests

**Box 010 (OVERSIZED):**

00001: Types of Injury and Personnel Needed With Atomic Explosion
00002: Figures from “The Effects of Atomic Explosion”
00003: Radiation Terminal Range and Blast Range
00004: Hiroshima Casualties Charts
00005: Normal Cellular Constituents of Adult Human Blood
00006: Radiation Exposure
00007: Injuries Versus Distance
00008: Clinical Classifications and Symptoms
00009: Effects of Atomic Weapons
00010: Effects, Treatment, Casualties, Personnel and Injuries
00011: Cartoon: Tell Him About the A-Bomb
00012: Cartoon: What to do in an Atomic Attack
00013: Atomic Bomb: WBC Counts
00014: Cartoon: Sitting on Your Ass and Worrying About it Won’t Help
00015: Table: Likelihood of Attack
00016: Featured Item of the Month: Effect of Heat of Atomic Bomb
00018: National Intelligence Charts
00019: Civil Defense Booklet: “Health Services and Special Weapons Defense
00020: Medical Museum “Atomic Disaster—Atomic Defense” Exhibit
00021: Charts on Effects of Atomic Weapons
00022: Safety Precautions Against the Atom Bomb
00023: Radiation: Defense, Effects, Sickness
00024: Fat Man and Little Boy
00025: From Collier’s Article: “Hiroshima, USA: Can Anything Be Done About It?”
00026: Outline of Damage
00027: Pathology of Radiation Injury, with Maps
00028: Diagrams: Effects of Bomb
00029: City Plan: Nagasaki Area
SERIES 003: REPORTS AND REPRINTS

Box 011:

00001: Hearings and Studies on Atomic Energy
4. Atomic Energy Hearings before the Special Committee on Atomic Energy, United States Senate, 79th Congress, First Session. S. Res. 179 A Resolution Creating a Special Committee to Investigate Problems Relating to the Development, Use, and Control of Atomic Energy. 1945

00002: Atomic Energy in Medicine
2. “Atom Smashing and Its Application to Medicine,” by Robley D. Evans, 1941

00003: Effects of the Atomic Bomb
1. “The Effects of the Atomic Bomb on Health and Medical Services in Hiroshima and Nagasaki.” The United States Strategic Bombing Survey, Medical Division. March 1947
2. “Adrenal Function, as Measured by Thorn Tests, of Heavily Irradiated Adults Seven Years After Exposure to an Atomic Bomb.” By Robert D. Lange, M.D. and Takashi Fuji, M.D. June 30, 1953

00004: Effects of the Atomic Bomb, continued
1. “Linkage in Man. Pelger’s Nuclear Anomaly, Taste and Blood Groups.” By N. Morton, W.C. Moloney, and T. Fuji. From the Departments of Genetics and Medicine, Atomic Bomb Casualty Commission, Hiroshima, Japan. 1 August 1953
6. “Studies on Skeletal Maturation.” By Wataru W. Sutow, M.D. From the Laboratories of the Atomic Bomb Casualty Commission, Hiroshima, Japan. 15 May 1953

00005: Leukemia in Association with the Atomic Bombs

00006: Leukemia in Association with the Atomic Bombs, continued

00007: Magazines and Articles Relating to the Atomic Bomb

Box 012:

00001: Japanese Scientific Reports
00002: *Japanese Atomic Bomb Report for the City of Hiroshima, Japan*(1945)
00003: Material Pertaining to Francis X. Lynche’s Article: “Adequate Shelters and Quick Reaction to Warning: A Key to Civil Defense”
00004: The Keloid Development of Burn Scars
00005: Statistics on Hiroshima City w/Hand Drawings and Japanese Writing
00006: Japanese Research
00007: Atomic Bomb Study # 2 Notecards
00008: Letter from Atomic Bomb Commission Re: Casualties at Hiroshima
00009: Notes on a Meeting on the General Problem of Keloid Formation
00010: Keloid Study Material
00011: Brues-Henshaw Report
00012: Hiroshima: Effects of Atomic Bomb on the Human Organism
00013: Hematology and Ocular Injuries
00014: Guide for Armed Forces Officers—Unidentified
00015: Misc. Magazine Articles Relating to Atomic Bomb—Fragments
00016: Atomic Bomb in Hiroshima: Eyewitness Account
00017: Statistics of Ishayama Naval Hospital
00018: “Contribution to the Problem of the Causes of Deaths of the Atomic Bomb Victims”—Kashiwado
00020: The Effects of the Atomic Bombs on Health and Medical Services in Hiroshima and Nagasaki. By the United States Strategic Bombing Survey: Medical Division, 1947

Box 013:

00001: Eyewitness Reports—AEC—Hiroshima
00002: Personnel and Location
00003: Naval Medical Center Report
00004: Material Related to Takashi Nagai
00005: Colliers and Parade Articles
00006: Medical Report of Atomic Bombing in Hiroshima [1 of 2]
00007: Medical Report of Atomic Bombing in Hiroshima [2 of 2]
00008: Medical Report of Atomic Bombing in Hiroshima [copy]

SERIES 004: JOINT ARMY-NAVY COMMISSION (JANC) TRANSFER

Box 014:

00003: JANC Listing of Materials for Transfer to Japanese Government, Nov. 1972, Master Copy, Part II [1 of 3]
00006: Photographs of AFIP Personnel and Japanese Transfer

Box 015:

00001: JANC Materials Returned to Government of Japan, May 1973, Copy 1 of 3 [1 of 3]
00003: JANC Materials Returned to Government of Japan, May 1973, Copy 1 of 3 [3 of 3]

Box 016:

00006: Transfer Memorandum Re: Old Cases (1989)
00007: Photographs of Transfer (Duplicates)

Box 017:

00001: Master Listing Cross Referencing ABCC and JANC Specimen Numbers [1 of 5]
00002: Master Listing Cross Referencing ABCC and JANC Specimen Numbers [2 of 5]
00003: Master Listing Cross Referencing ABCC and JANC Specimen Numbers [3 of 5]
00004: Master Listing Cross Referencing ABCC and JANC Specimen Numbers [4 of 5]
00005: Master Listing Cross Referencing ABCC and JANC Specimen Numbers [5 of 5]

Box 018 (OVERSIZED): Number Lists

00001: Master File Numbers-AFIP Numbers-Nagasaki
00002: Hiroshima AFIP-ABCC Cross Index by AFIP Number
00003: Nagasaki MF Selective List. Distance Below 2500
00004: Neel-Snell Listing: E-952 Thru E-1482
00005: Joint Commission [Numbers] Matched With Hiroshima General [Hospital] and ABCC Project Record [Numbers]

SERIES 005: ARMED FORCES INSTITUTE OF PATHOLOGY (AFIP) MATERIALS AND CASE FILES

Box 019 (OVERSIZED): AFIP Files

00001: Correspondence of AFIP, ABCC: Concerning A-Bomb Materials, 1940s-1950s
00002: Correspondence of AFIP, ABCC: Concerning A-Bomb Materials, 1960s
00003: Correspondence of AFIP, ABCC: Concerning A-Bomb Materials, 1970s
00004: Misc. Building Layouts and Charts Pertaining to A-Bomb in Japan
00005: Charge Out and Return Book For Check and Location of Atomic Bomb Report
00006: List of Possible Keys to Unidentified Numbers on Reports About Bomb Victims
00007: Proximal Exposed Autopsies Including Sarcomas, Lymphomas, Hepatomas, Chorioepitheliomas, and Aplastic Anemias
00008: Casualty Rates
00009: Distribution of Outpatients in Hiroshima
00010: Misc. Data on Effects of Bombs  
00011: Charts and Graphs Related to Property Damage Due to A-Bombs  
00012: Sternal Marrow Biopsy Average Values  

**Box 020: AFIP Files**  
00001: Material loaned or given to AEC or AFIP members  
00002: Observations on the Hematologic Values of the Japanese, Fred M Snell, MD  
00003: Dose calculations for Hiroshima and Nagasaki  
00004: AEC material at AFIP  
00005: Policy on Atomic Bomb Material at AFIP  
00006: Reprints from Radiation Pathology Department  
00007: Case Nos. 259159-259164 and 249000-249067  

**Box 021: AFIP Files - Joint Commission Report Drafts**  
00001: Medical Report  
00002: Section 5h - Clinical Observations, Hiroshima  
00003: Section 5n - Clinical Observations, Nagasaki  
00004: Section 6 - Hematology  
00005: Section 7 - Bone Marrow  
00006: Section 8 - Pathology  

**Box 022: AFIP Case Files (Restricted Patient Records)**  
00001: Case Diagnosis Letters from AFIP to ABCC, 1960  
00002: Case Diagnosis Letters from AFIP to ABCC, 1961  

**Box 023 (OVERSIZED): AFIP Case Files—Restricted Patient Records**  
00001: Nagasaki Clinical and Surgical Studies (1951-1956)  
00002: Nagasaki Completed Surgical Material (1957)  
00003: Log of JANC Nagasaki Material Received at AFIP (1959-1960)  
00004: Log of JANC Nagasaki Material Received at AFIP (1960-1961)  
00005: Surgical Pathology Log Nagasaki (1951)  
00006: Hiroshima Autopsies Log (1953-1959)  

**Box 024: AFIP Case Files—Restricted Patient Records**  
00001: Epilation Listings  
00002: Key to reference material  
00003: Miscellaneous case lists  
00004: Hiroshima Surgicals  
00005: Acc. # 259032-1  
00006: Original and final case numbers  
00007: Leukemia Cases  
00008: Nagasaki Cases
Box 025 (OVERSIZED): AFIP Case Files—Restricted Patient Records

00001: Registry of Radiation Pathology, AFIP Log (1950-1967)
00002: Listing of Accessioned Cases Broken Down to Distance, Clinical Effects and Physical Distance by the Atomic Bombs
00003: Nagasaki Autopsies
00004: Atomic Bomb Figures and Tables
00005: Photomicrographs of Cases

SERIES 006: AFIP PATIENT ACCESSION RECORDS BOOKS (BOXES 26-30 ARE CLOSED TO RESEARCHERS)

Box 026: Book with accession numbers 240000-250000
Box 027: Book with accession numbers 250001-260000
Box 028: Book with accession numbers 340001-350000
Box 029: Book with accession numbers 350001-360000
Box 030: Book with accession numbers 360001-369102

SERIES 007: ILLUSTRATIONS AND LANTERN SLIDES

Box 031: Illustrations of Effects of Radiation on Retinas From Atomic Bomb Casualty Commission

00001: Correspondence
00002: Copies/Prints
00003: Slides
00004: Originals [1 of 3]
00005: Originals [2 of 3]
00006: Originals [3 of 3]

Box 032: Lantern Slides [1 of 12]
- HC Series: 101-02, 104-06, 111-12, 118
- HD Series: 100-4, 100-8, 100-17-20, 101-1, 101-3, 101-4, 101-8
- HE Series: 101-22, 104-107, 110, 115, 137

Box 033: Lantern Slides [2 of 12]
- HG Series: 119, 120, 122, 124, 125, 184, 194, 203, 205, 210, 220, 253, 273, 274
-HH Series: 100, 119, 120, 121, 129, 131, 138, 140, 156, 186, 1898, 204, 228, 234, 240, 243, 254

**Box 034: Lantern Slides [3 of 12]**
-HN Series: 111

**Box 035: Lantern Slides [4 of 12]**

**Box 036: Lantern Slides [5 of 12]**
-HS Series: 100-2, 104, 142, 145, 301, 306-7, 310, 312-13, 317-18, 320-22, 324, 326, 328, 333-34
-NB Series: 100A/C, 460, 471
-NG Series: 103, 106, 108, 118, 130, 132, 134, 147, 158, 214, 216
-NP Series: 103, 107, 120, 123, 136, 159, 167-69
-NS Series: 301K

**Box 037: Lantern Slides [6 of 12]**
-Accession # 158930, 191180, 192500

**Box 038: Lantern Slides [7 of 12]**
-Accession # 218712

**Box 039: Lantern Slides [8 of 12]**
-“Pathology of Atomic Bomb Casualties”

**Box 040: Lantern Slides [9 of 12]**
-“Clinical Reaction Following Exposure to Ionizing Radiation”

**Box 041: Lantern Slides [10 of 12]**
-Operation Desert Rock, Frenchman’s Flat, Operation Greenhouse

**Box 042: Lantern Slides [11 of 12]**
-AGS, AMS, BJ, Unlabelled

**Box 043: Lantern Slides [12 of 12]**
-Marshall Islands, Unlabelled

**SERIES 008: RADIATION EFFECTS RESEARCH FOUNDATION**

**Box 044: Radiation Effects Research Foundation (RERF)**

1. 6-90: Radiosensitivity of Skin Fibroblasts from Atomic Bomb Survivors with and without Breast Cancer
3. 3-91: Development of a Flow-Cytometric Locus Mutation Assay for Human Peripheral Blood Lymphocytes
4. 4-91: The Effect of Diagnostic Misclassification on Noncancer and Cancer Mortality Dose Response in the RERF Life Span Study
5. 5-91: Thyroid Cancer Incidence among Atomic Bomb Survivors, 1958-79
6. 6-91: Flow-cytometric Measurements of CD4-T Cells Bearing T-cell Receptor Chains: Results for a Normal Population Including Two Cases with Unusually High Frequencies

1. 8-91: Radon Concentrations in Residential Housing in Hiroshima and Nagasaki
2. 10-91: Study of Skin Cancer Incidence in Nagasaki Atomic Bomb Survivors, 1958-85
3. 11-91: X-Ray Induction of Micronuclei in Human Lymphocyte Subpopulations Differentiated by Immunoperoxidase Staining
4. 12-91: Simple, Rapid HLA-DQA1 Genotyping Using PCR
5. 13-91: Brain Abnormalities Among Mentally Retarded Prenatally Exposed Atomic Bomb Survivors
6. 14-91: A Longitudinal Study of the Association Between ABO Blood Phenotype and Total Serum Cholesterol Level in the Adult Health Study, 1958-86
7. 15-91: Combining Diagnostic Categories to Improve Agreement Between Death Certificate and Autopsy Classifications of Cause of Death for Atomic Bomb Survivors, 1950-87
8. 16-91: Flow-cytometric Measurements of Somatic Cell Mutations in Thorotrast Patients
9. 17-91: Joint Analysis of Site-specific Cancer Risks for the Atomic Bomb Survivors
10. 18-91: Radiation-related Ophthalmologic Changes and Aging Among the Atomic Bomb Survivors: A Re-analysis

00004: Technical Report Series, 1992 (Issues 1,3,4,6-10, 14, 15, 17, 22)
1. 1-92: Adult Health Study Report 7: Noncancer Disease Incidence in the Atomic Bomb Survivors, 1958-86 (Examination Cycles 1-14)
2. 3-92: Unique Association of p53 Mutations with Undifferentiated but Not with Differentiated Thyroid Gland Carcinomas
3. 4-92: Autoantibodies and Immunoglobulins among Atomic-bomb Survivors
4. 6-92: Radiation-related Small Head Sizes among Prenatally Exposed Atomic Bomb Survivors
5. 7-92: Restricted Expression of Recombination Activating Gene in Mouse Lymphoid Tissue
6. 8-92: Dose Survival of Lymphocytes Irradiated in Vitro
7. 9-92: Proliferative and Nonproliferative Breast Disease in Atomic-bomb Survivors
8. 10-92: Radiosensitivity of Atomic Bomb Survivors as Determined with a Micronucleus Assay
11. 17-92: A Novel Blocker-PCR Method for Detection of Rare Mutant Alleles in the Presence of an Excess Amount of Normal DNA
12. 22-92: Accurate and Rapid Detection of Heterozygous Carriers of a Deletion by Combined Polymerase Chain Reaction and High-performance Liquid Chromatography

00005: Bibliography Series, 1990-1992

   1. A Nested Case-control Approach to Interactions Between Radiation Dose and Other Factors as Causes of Cancer
   2. Piecewise Linear Regression Splines with Hyperbolic Covariates
   3. The Influence of Death-certificate Errors on Cancer Mortality Trends

00007: Commentary and Review Series, 1992
   1. Correcting for Catchment Area Nonresidency in Studies Based on Tumor-registry Data
   3. Rogue Lymphocytes among Ukrainians Not Exposed to Radioactive Fallout from the Chernobyl Accident
   4. Estimating the Temporal Distribution of Exposure-related Cancers
   5. Report of a Workshop on the Application of Molecular Genetics to the Study of Mutation in the Children of Atomic-bomb Survivors
   6. Agreement Between Death-certificate and Autopsy Diagnoses among Atomic-bomb Survivors

00008: Proceedings of the Research Institute For Nuclear Medicine and Biology, Hiroshima University, 1992


00010: Scientific Articles on Effects of Bombs

00011: RERF-AFIP Correspondence, 1992

00012: Pamphlets on ABCC Collection and Conference in Houston, 1995

00013: ABCC files list from NLM

Box 045:

00001: “Pathology of Atomic Bomb Casualties”—Liebow, Warren, and DeCoursey (1949)
00002: “Medical Report on Atomic Bomb Effects” (1953)
00003: “The Acute Radiation Syndrome”—Hempelmann, Lisco, and Hoffman (1952)
00004: RERF Update, 1999-2000
00005: Proceedings of the Research Institute for Radiation Biology and Medicine, Hiroshima University, 1999 [1 of 2]
00007: Proceedings of the Research Institute for Radiation Biology and Medicine, Hiroshima University, 1999 [1 of 2]