

MS 066 Guide to the Howard B. Hamilton, MD Papers (1945-1997)

Howard B. Hamilton M.D.

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Repository:	Houston Academy of Medicine-Texas Medical Center; 1133 John Freeman Blvd., Houston, Texas 77030-2809.
Creator:	Howard B. Hamilton, MD
Title:	Howard B. Hamilton, MD, papers;
Dates:	1945-1997.
Quantity:	3.75 cubic feet (10 boxes).
Abstract:	The Howard B. Hamilton, MD, papers, MS 66, includes material from 1945-1997 related to the Atomic Bomb Casualty Commission (ABCC) and the Radiation Effects Research Foundation (RERF). Hamilton was the Chief of Clinical Laboratories for the Atomic Bomb Casualty Commission from 1956 until its dissolution in 1975. He served in the same capacity for the Radiation Effects Research Foundation, which succeeded the ABCC, until 1984. This collection encompasses this period of time in Dr. Hamilton's career, as well as his related scholarly work after his retirement from RERF. Dr. Hamilton donated his collection of letters, reprints, newspaper articles, photographs, memos, and ephemera to the John P. McGovern Historical Collections and Research Center between 1985 and 2002. The collection is in good condition and consists of 3.75 cubic feet (10 boxes).
Identification:	MS 66
Location:	Houston Academy of Medicine-Texas Medical Center Library.
Language:	The collection is predominantly in English. Some of the materials may include Japanese.

Biographical Notes

Dr. Howard Beye Hamilton was born in Oak Park Illinois on December 4, 1918. He graduated from the University of Rochester in New York in 1941 and from Yale University School of Medicine in 1945. Hamilton served in the United States Navy from 1942-1945, during World War II. In the late 1940s and early 1950s Hamilton conducted research at Massachusetts General Hospital, Harvard University, the Long Island School of Medicine, the New York College of Surgeons, and the University of Tokyo in Japan.

In 1956 Dr. Hamilton moved to Hiroshima, Japan, where he lived for the next thirty years. After his move to Japan, Hamilton served as the Chief of Clinical Laboratories for the Atomic Bomb Casualty Commission (ABCC) from 1956 until its dissolution in 1975. Hamilton worked in the same capacity for the

Radiation Effects Research Foundation (RERF), which succeeded the ABCC, until 1984. Between 1984 and 1986 Dr. Hamilton began transitioning into retirement; he continued to work as a consultant for the RERF during this time.

Dr. Hamilton was a consummate scholar and published extensively throughout his career. Hamilton published papers on topics including endocrinology, steroid chemistry, enzyme kinetics, hemoglobinopathies, the structure and function of hemoglobin, genetic polymorphisms, biochemical genetics, the long term after-effects of exposure to ionizing radiation, and epidemiology of cardio-vascular disease.

Dr. Hamilton's hobbies included playing tennis and practicing the Japanese theatrical art of Noh, which features dramatic masks and carefully defined movements. After his retirement, Dr. Hamilton catalogued Noh and Kabuki works and published Noh plays. In some circles, Dr. Hamilton was known as much for his enthusiastic patronage and participation in Noh as he was for his work with the ABCC and RERF. (Source: Washington Post, May 9, 2007)

Dr. Hamilton died on May 9, 2007 at his home in Falls Church, Virginia. He was 88 years old.

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Scope and Content Note

The Howard B. Hamilton, MD, papers, MS 66, includes material from 1945-1997 related to the Atomic Bomb Casualty Commission (ABCC) and the Radiation Effects Research Foundation (RERF). Hamilton was the Chief of Clinical Laboratories for the Atomic Bomb Casualty Commission from 1956 until its dissolution in 1975. He served in the same capacity for the Radiation Effects Research Foundation, which succeeded the ABCC, until 1984. This collection encompasses this period of time in Dr. Hamilton's career, as well as his related scholarly work after his retirement from RERF. Dr. Hamilton donated his collection of letters, reprints, newspaper articles, photographs, memos, and ephemera to the John P. McGovern Historical Collections and Research Center between 1985 and 2002. The collection is in good condition and consists of 3.75 cubic feet (10 boxes).

This collection contains eight series: I. Correspondence; II. Memorandum, Notes, Books; III. Conferences, Congresses, Manuscripts; IV. Reprints; V. Newspaper Articles; VI. Akio Awa Cartoons; VII. Additional Correspondence; VIII. Addendum Series. This collection contains many reprints of articles Hamilton wrote or co-wrote on topics including the structure and function of hemoglobin, biochemical genetics, and the long term after-effects of exposure to ionizing radiation. One highlight of the collection is a series of cartoons, Series VI, created by Hamilton's friend Dr. Akio Awa that gives a unique look into the daily goings-on of the ABCC and RERF. Another collection highlight is the photographs in the Addendum Series, Series VIII, which includes images of former United States Senator Ted Kennedy who visited RERF in the late 1970s. Photos also include group photos from many ABCC and RERF conferences and

events.

This collection was donated to the Historical Research Center over a number of years, and the material was processed at different times by different people, which resulted in several different organizational schemes being used. During the most recent processing of the collection the arrangement of the material was left unchanged to maintain continuity and for the sake of scholarly citations that may have been made previously

Hamilton was born in Oak Park Illinois on December 4, 1918. He graduated from the University of Rochester in New York in 1941 and from Yale University School of Medicine in 1945. Hamilton served in the United States Navy from 1942-1945, during World War II. In the late 1940s and early 1950s Hamilton conducted research at Massachusetts General Hospital, Harvard University, the Long Island School of Medicine, the New York College of Surgeons, and the University of Tokyo in Japan.

In 1956 Hamilton moved to Hiroshima, Japan, where he lived for the next thirty years. After his move to Japan, Hamilton served as the Chief of Clinical Laboratories for the Atomic Bomb Casualty Commission (ABCC) from 1956 until its dissolution in 1975. Hamilton worked in the same capacity for the Radiation Effects Research Foundation (RERF), which succeeded the ABCC, until 1984. Between 1984 and 1986 Dr. Hamilton began transitioning into retirement; he continued to work as a consultant for the RERF during this time.

Hamilton was a consummate scholar and published extensively throughout his career. Hamilton published papers on topics including endocrinology, steroid chemistry, enzyme kinetics, hemoglobinopathies, the structure and function of hemoglobin, genetic polymorphisms, biochemical genetics, the long term after-effects of exposure to ionizing radiation, and epidemiology of cardio-vascular disease.

Hamilton's hobbies included playing tennis and practicing the Japanese theatrical art of Noh, which features dramatic masks and carefully defined movements. After his retirement, Dr. Hamilton catalogued Noh and Kabuki works and published Noh plays. In some circles, Dr. Hamilton was known as much for his enthusiastic patronage and participation in Noh as he was for his work with the ABCC and RERF. (Source: Washington Post, May 9, 2007)

Hamilton died on May 9, 2007 at his home in Falls Church, Virginia. He was 88 years old.

The collection is in good to excellent condition depending on the age of the individual item and how carefully it was stored and preserved in the years before it entered the HRC's collection. Dr. Hamilton donated his large collection of letters, reprints, newspaper articles, photographs, memos, and ephemera to the John P. McGovern Historical Collections and Research Center between about 1985 and 2002. The collection consists of 3.75 cubic feet (10 boxes) and is collection MS 66.

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Arrangement

This collection is arranged into the following series.

[Series I. Correspondence](#)

[Series II. Memorandum, Notes, Books](#)

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Restrictions

The collection is open for research.

Use restrictions

Copyright restrictions may apply.

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Related Material

Related materials include the assorted Atomic Bomb Casualty Commission (ABCC) collections located at the McGovern Historical Research Center. Consult an archivist for more information.

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Index terms

Awa, Akio.

Ban, Sudayuki.

Beede, G. W.

Boutwell, R. K.

Clifton, K.

Ferrell, Robert.

Finch, Stewart.

Gedda, Luigi.

Hamilton, Howard.

Jablon, Seymour.

Luykx, H. M. C.

Miwa, S.
Neel, James.
O'Hara, Jill.
Pierce, Don.
Pike, M.
Preston, Dale.
Russell, Walter.
Sasaki, Hideo.
Satoh, Chiyoko.
Schull, William.
Shigematsu, Itsuzo.
Spitzer, Walter.
Taylor.
Thiessen J. W.
Thompson, D.
Wald, Nicholas.
Wong, F. Lennie.
Yamasaki, Motoski.
Yoshida, Akira.

Atomic Bomb Casualty Commission. (ABCC)
Radiation Effects Research Foundation. (RERF)

Hiroshima, Japan.
Nagasaki, Japan.

Atomic bomb, Japan, Hiroshima-shi.
Atomic bomb, Japan, Nagasaki-shi.
Nuclear Warfare, history, Japan.
Radiation Injuries, history.

Letters.
Memos.
Newspaper Articles.
Photographs.
Reports.
Reprints.

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Administrative Information

Preferred Citation

The Howard B. Hamilton, MD, papers; MS 66; John P. McGovern Historical Collections and Research Center, Houston Academy of Medicine-Texas Medical Center Library.

Acquisition Information

Dr. Hamilton donated his large collection of letters, reprints, newspaper articles, photographs, memos and ephemera to the John P. McGovern Historical Collections and Research Center between about 1985 and 2002.

Processing Information

The original finding aid for this collection was written by Margaret Irwin in 1994, and the finding aid was updated in March 2011 by Emily Downing. At that time, new material that had not been processed initially was processed and incorporated into the collection.

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Detailed Description of the Collection

Series I: Correspondence; 1960-1985

Scope and Content Note: The first box of material in this series is arranged chronologically. The second box is arranged alphabetically by author or recipient's last name, so letters to or from "Awa" (for example) in the second box would be in the folder for "A" correspondence. The first half of the third box is arranged chronologically, and the second half is arranged by subject. (The boxes in Series I had been processed previously and the arrangement of the material was left unchanged to maintain continuity and for the sake of citations that may have been made previously.)

Box	Folder	
1	1	Letters; 1960.
	2	Letters; January - June 1961.
	3	Letters; July 1961.
	4	Letters; 1962-1963.
	5	Letters (Professional Correspondence); 1964-1965.
	6	K Correspondence; 1966 - .
	7	Miscellaneous Correspondence - Hemoglobin Studies; 1963-1980.
	8	Correspondence; April 1983.
	9	Correspondence - regarding workshop; May 1983.
	10	Correspondence - regarding workshop; June 1983.
	11	Correspondence - regarding workshop; July 1983.
	12	Correspondence - regarding workshop; August 1983.
	13	Correspondence - regarding workshop; September 1983.
	14	Correspondence - regarding Genetic Study Conference; November 1983.

- 15 Correspondence - regarding Genetic Study Conference; December 1983.
- 16 Correspondence - regarding Genetic Study Conference; January 1984.
- 17 Correspondence - regarding Genetic Study Conference; February 1984.
- 18 Correspondence - regarding Genetic Study Conference; March 1984.

Box Folder

- 2 19 "A" Correspondence; 1980-1982.
- 20 "B" Correspondence; 1979-1985.
- 21 "C" Correspondence; 1982-1985.
- 22 "D-E" Correspondence; 1981-1984.
- 23 "F-G" Correspondence; 1982-1984.
- 24 "H" Correspondence; 1970-1985.
- 25 "I-J" Correspondence; 1977-1985.
- 26 "K-L" Correspondence; 1970-1985.
- 27 "M" Correspondence; 1979-1985.
- 28 "N" Correspondence; 1984-1985.
- 29 "Neel" Correspondence; 1980-1985.
- 30 "O" Correspondence; 1970-1984.
- 31 "P" Correspondence; 1984-1985.
- 32 "Q-R" Correspondence; 1968-1985.
- 33 "S" Correspondence; 1980-1984.
- 34 "S" Correspondence; 1977-1985.
- 35 "T-U" Correspondence; 1977-1984.
- 36 "V-W" Correspondence; 1971-1985.
- 37 "X-Y-Z" Correspondence; 1983-1984.

Box Folder

- 3 38 Correspondence; 1982.
- 39 Correspondence; January-June 1983.
- 40 Correspondence; 1984.
- 41 Correspondence; January-June 1985.
- 42 Interoffice Memoranda - Editorial Protocol; 1979-1984.
- 43 Interoffice Memoranda - Editorial Protocol; 1979-1985.
- 44 Interoffice Memoranda - Scholarly Review; 1978-1985.
- 45 Interoffice Memoranda - Scholarly Review - Statistics; 1980-1985.
- 46 Interoffice Memoranda - Scholarly Review - Radiology; 1983.
- 47 Interoffice Memoranda - Scholarly Review - Pathology; 1970-1981.

Series II: Memorandum, Notes, Books; 1956-1983

Scope and Content Note: For a more detailed listing of the contents of each folder in Series II, please see Margaret Irwin's 1994 finding aid.

Box	Folder	
1	1	ABCC Clinical Laboratory quarterly and annual progress reports; 1956-1960.
	2	Memorandum pertaining to medical issues and procedures, sampling, lab procedures, administration and business; 1961.
	3	Memorandum pertaining to medical issues and procedures, sampling, lab procedures, administration and business; 1962.
	4	Memorandum pertaining to medical issues and procedures, sampling, program review, honorary appointments; 1963.
	5	Memorandum pertaining to medical issues and procedures, sampling, lab procedures, administration and business; 1964.
	6	Written notes on a telephone call between D. Thompson and S. Jablon. Notes from 1983 RERF Board Meetings. Conclusion and Recommendations of the RERF Scientific Council; 1983.
	7	Correspondence relating to a 1983 conference held at RERF on human genetics that Hamilton chaired; 1983.

Series III: Conferences, Congresses, Manuscripts; 1958-1981

Scope and Content Note: For a more detailed listing of the contents of each folder in Series III, please see Margaret Irwin's 1994 finding aid.

Box	Folder	
1	1	Correspondence and drafts of an article written by H. Hamilton and M. Pike called "The Influence of Hormones on the Risk of Breast and Prostate Cancer;" 1981.
	2	Rome Genetics Conference, letters to Prof. Luigi Gedda regarding the Rome meeting and paper "The Frequency in Japan of Carriers of the Rare Recessive Gene Causing Acatlasemia;" 1961.
	3	Memos, correspondence, figures and drafts related to the article "Acatlasemia: Heterozygote Probability Analysis of a Variant Type;" 1967.
	4	Cytogenics Correspondence; 1958-1963.
	5	Japanese Human Genetics Meeting - Annual Review of Genetic Studies at ABCC; 1962-1964.
	6	Cytogenics Correspondence; 1961-1964.
	7	Program Reviews - workshop program schedules, abstracts of studies, and correspondence regarding program reviews; 1962-1965.
	8	Cytogenics Correspondence; 1965.
	9	Epidemiological Studies; 1965-1966.
	10	Third Radiation Research Congress / Third Human Genetics Conference; 1966.

Series IV: Reprints; 1950-1990

Scope and Content Note: For a more detailed listing of the contents of each folder in Series IV, especially authorship of each article, please see Margaret Irwin's 1994 finding aid.

Box	Folder	
1	1	"Aberrant Karyotypes and Spontaneous Abortion in a Japanese Family" (Reprinted from Nature, volume 225 number 5234 pages 735-737);" February 1970.
	2	"Biological Implications of the Cytogenic Studies of A-Bomb Survivors" (Proceedings of the XII International Congress of Genetics, Volume II); No date.
	3	"Blood Group Antibody Levels in Hiroshima"(Reprinted from Blood, v.17, n.4); April 1961.
	4	"Carrier State in Human Acatalasemia" (Reprinted from Science, v. 130, n.3371, pages 333-334); August 7, 1950.
	5	"Genetics and the Atomic Bombs in Hiroshima and Nagasaki" (CLS Life Lines, v.10, n.2, p.3-5); Summer 1984.
	6	"Cytogenic Study of A-Bomb Survivors and their children in Hirohima and Nagasaki" (Excerpta Medical International Congress, Series number 415, Topics in Hematology: Proceedings of the 16th International Congress of Hematology, Kyoto, Japan); September 5-11, 1976.
	7	"A Cytogenic Study of Down's Syndrome in Hiroshima and Nagasaki" (The Japanese Journal of Human Genetics, v.12, n.1, pages 17-28); 1967.
	8	"Epidemiologic studies of Coronary Heart Disease and Stroke in Japanese Men Living in Japan, Hawaii, and California" (American Journal of Epidemiology, v.97, n.6, pages 372-385); 1973.
	9	"The Epidemiology of Urinary Tract Infections in Hiroshima" (The Yale Journal of Biology and Medicine, v.37, n.4, February 1965, pages 262-282); 1965.
	10	"The first case of Hb E hemoglobinopathy in a Japanese family" (Medicine and Biology, v.70 n.2 February 10, 1965, pages 91-96 (written in Japanese); 1965.
	11	"The Frequency in Japan of Carriers of the rare "Recessive" Gene Causing Acatalasemia" (Journal of Clinical Investigation, v.40, n.12, pages 2199-2208, December 1961); 1961.
	12	"The Frequency in Japan of Carriers of the rare "Recessive" Gene Causing Acatalasemia" (Proceedings of the Second International Congress of Human Genetics Microbial and Biochemical Genetics, pages 590-593); circa 1961.
	13	"The Frequency in Japan of genetic variants of 22 proteins I"(American Human Genetics,v.40 pages 407-418, Reprinted by RERF); 1977.
	14	"The Frequency in Japan of genetic variants of 22 proteins II" (American Human Genetics,v.41 pages 43-52, Reprinted by RERF); 1977-1978.

- 15 "The Frequency in Japan of genetic variants of 22 proteins III" (American Human Genetics, v.41 pages 169-183, Reprinted by RERF); 1977-1978.
- 16 "The Frequency in Japan of genetic variants of 22 proteins IV, Summary and Comparison with data on Caucasians from the British Isles" (American Human Genetics, v.41 pages 429-441, Reprinted by RERF); 1977-1978.
- 17 "The Frequency Among Japanese of Heterozygotes for Deficiency Variants of 11 Enzymes" (American Journal of Human Genetics, v.35 pages 656-674); 1983.
- 18 "Genetic Heterogeneity in Human Acatlasia" (American Journal of Human Genetics, v.14, n.4, pages 408-419); 1963.
- 19 "Genetic Heterogeneity in Human Acatlasia" (Japanese Journal of Human Genetics, v.9, n.1, pages 46-56 - written in Japanese); 1964.
- 20 "Genetic Markers in the Atomic Bomb Survivors and their Children" (Japanese Journal of Human Genetics, v.27, pages 113-119 - written in Japanese); 1982.
- 21 "Hemoglobin, Hiroshima, and the Mechanism of the Alkaline Bohr Effect" (New Biology, v.232, n.31, pages 147-149); 1971.
- 22 "Hemoglobin Hijiyama: A New fast-moving Hemoglobin in a Japanese Family" (Science, v.159 n.3811 pages 204-206); 1958.
- 23 "Hemoglobin Hiroshima: A fast-moving beta variant associated with Polycythemia and increased oxygen affinity"(Proceedings of the XII International Congress of Genetics, v.1); No date, circa 1960-1975.
- 24 "Hepatitis Associated Antigen and Antibody in A-Bomb Survivors and non-exposed subjects in Hiroshima and Nagasaki" (Radiation Research, v.52 n.3 pages 528-535); 1972.
- 25 "Hepatitis-associated Antigen in Atomic Bomb Survivors and Non-exposed Control Subjects: Seroepidemiologic Survey in a Fixed Cohort" (The Journal of Infectious Disease, v.128 n.1, pages 1-6); July 1973.
- 26 "Hiroshima and Nagasaki: Three and a Half Decades of Genetic Screening" (RERF, pages 687-700); circa 1981.
- 27 "A Health Surveillance Study" (Radiation Research, v.16, supplement, pages 138-148); September 1975.
- 28 "Hypocatalasemia: A New Genetic State" (Journal of Clinical Investigation, v.39 n.4, pages 610-619); April 1960.
- 29 "Immunochemical Studies on Catalase. II. An Anticatalase Reacting Component in Normal, Hypocatalasic and Acatlasic Human Erythrocytes" (Archives of Biochemistry and Biophysics, v.118, n.1); January 1967.
- 30 "Immunological Evidence of Catalase Deficiency in Human Hereditary Acatlasemia" (Laboratory Investigation, v.10 n.2, pages 333-340); March-April 1961.

- 31 "Infantile Hypertrophic Pyloric Stenosis in Four Siblings" (American Journal of Diseases of Children, v.108, pages 617-624); December 1964.
- 32 "Irradiation in Utero" (Journal of the American Medical Association, v.192, page 410); May 1965.
- 33 "The Isolation and Purification of Lactoperoxidase by Ion Exchange Chromatography"(The Journal of Biological Chemistry, v.228 n.2); October 1957.
- 34 "The Ligand-binding Properties of Hemoglobin Hiroshima" (The Journal of Biological Chemistry,v.247 n.23 pages 7485-7493); December 1972.
- 35 "Ligand Kinetics in Hemoglobin Hiroshima" (The Journal of Clinical Investigation, v.50 n.8, pages 1772-1775); August 1971.
- 36 "Liver Function in Survivors of the Atomic Bomb" (Radiation Research, v.63 n.3 pages 578-583); September 1975.
- 37 "Japanese Studying A-Effects on Unborn" (Washington Post); June 6, 1965.
- 38 "Oka: An Erythrocytic Antigen of High Frequency" (Vox Sanguinis, v.36 pages 182-185); 1979.
- 39 "Peripheral Response to PHA and T Cell Population Among Atomic Bomb Survivors" (Radiation Research, v.93, n.3); March 1983.
- 40 "Persistence of Hepatitis Associated Antigen Within a Fixed Population" (Archive of Environmental Health, v.25 pages 420-426); December 1972.
- 41 "Preliminary Reanalysis of Radiation-Induced Chromosome Aberrations in Relation to Past and Newly-Revised Dose Estimates for Hiroshima and Nagasaki A-Bomb Survivors" (Biological Dosimetry, pages 77-82); 1984.
- 42 "Physiochemical Studies of the Relationship Between Structure and Function in Hemoglobin Hiroshima" (Biochemistry, v.11, page 114); 1972.
- 43 "Physiological Implications of Increased Oxygen Affinity for Carriers of Hemoglobins Hirose and Hiroshima"(ACTA Hemologica Japonica, v.43 n.4, pages 678-684); August 1980.
- 44 "Presidential Address: The Wonder of our Presence Here" (Human Genetics, Part A: The unfolding genome,pages 1-20); 1982.
- 45 "The Relationship of Hepatitis B. Surface Antigen and Antibody to Atomic Bomb Radiation in the Adult Health Study Sample" (American Journal of Epidemiology, v.117 n.5, pages 610-620); 1983.
- 46 "Rheumatoid Arthritis and Gout in Hiroshima and Nagasaki, Japan: A Prevalence and Incidence Study" (Journal of Chronic Disease, v.23, pages 659-679); 1971.

- 47 "Search for Mutations Affecting Protein Structure in Children of Atomic Bomb Survivors: Preliminary Report" (Proc. National Academy of Science, v.77 n.7, pages 4221-4225); July 1990.
- 48 "The Frequency in Japan of the rare 'recessive' gene causing acatalasemia" (Excerpta Medica, International Conference Series number 32 containing abstracts of papers read at the Second International Conference on Human Genetics); September 7-12 1961.
- 49 "Properties of acatalasic cells growing in vitro" (Excerpta Medica, International Congress, Series 32); September 1961.
- 50 "Serum Butanol Extractable Iodine Values of Adolescents Exposed IN UTERO to the Atomic Bomb in Nagasaki, Japan" (American Journal of Medical Sciences, v.243 n.6); June 1962.
- 51 "Serum Haptoglobins in a selected sample of the ABCC-JNIH Adult Health Study Population in Hiroshima and in patients with various Hematologic Disorders" (ABCC Publication v. 25 n.8, pages 969-1002); 1972.
- 52 "Serum Immunoglobulin Levels in Atomic Bomb Survivors in Hiroshima, Japan" (American Journal of Epidemiology, v.98 n.6, pages 423-429); 1973.
- 53 "Study of Adolescents exposed IN UTERO to the Atomic Bomb, Nagasaki, Japan, I"(The Yale Journal of Biology and Medicine, v.36 n.6); June 1964.
- 54 "Study of Adolescents exposed IN UTERO to the Atomic Bomb, Nagasaki, Japan, II" (The Journal of the American Medical Association (JAMA) v.192 pages 357-364); May 1965.
- 55 "Study of Human Erythrocyte Catalase by Fluorescent Antibody Technique: The Distribution of Catalase in Acatlasia and Hypocatalasia" (Blood, v.34 n.1, pages 25-31); July 1969.
- 56 "A Study of the Effect of Ionizing Radiations on Lactoperoxidase" (Biochim. Biophys. Acta, v.23, pages 540-543); 1957.
- 57 "Thyroid Carcinoma in Atomic Bomb Survivors / Hiroshima and Nagasaki" (American Journal of Epidemiology, v.89 n.1, pages 4-14); 1969.
- 58 "Thyroid Disease: A Study in Hiroshima, Japan" (Medicine, v.42 n.1, pages 47-71); January 1963.
- 59 "Ultramicro-colorimetry for Determination of Serum and Urine Chloride Using Silver Iodate" (The Bulletin of the Yamaguchi Medical School, v.16 n.2-4, pages 163-171); December 1969.
- 60 "A weak variant of Blood Group A similar to Ax in a Japanese Family" (American Journal of Clinical Pathology, v.46 n.6, pages 616-624); 1966.
- 61 Reprints written in Japanese; Undated.

Series V: Newspaper Articles; 1987

Box Folder

- 1 1 "Reevaluation to be made on Thyroid Cancer and others" (Asahi Shimbun - Translation); March 19, 1987.
- 2 "New Techniques Sought (typo) For Genetic Studies on Children of A-Bomb Survivors" (Asahi Shimbun - Translation); March 20, 1987.
- 3 "Review to be made on introduction of new technique for genetic study on children of A-Bomb survivors"(Asahi Shimbun - Translation); March 20, 1987.
- 4 "Risk of Cancer by Radiation Does Remain Unchanged" (Asahi Shimbun - Translation); March 21, 1987.
- 5 "Risk of Cancer not increased by radiation" (Asahi Shimbun - Translation); March 21, 1987.
- 6 "'Hold Workshop' and other recommendations made for the future of RERF" (Asahi Shimbun - Translation); March 22, 1987.
- 7 "RERF Recommended to Hold Workshops in Future" (Asahi Shimbun - Translation); March 22,1987.
- 8 "Decision of Hiroshima High Court: Discriminating between men and women unjust / Seperate treatment lacks sound ground / Gradual Correction of Difference in Retirement Age also Unconstituitional" (Asahi Shimbun - Translation); June 16, 1987.
- 9 "A-Bomb Radiation Disorder and Exposure Dose / Validity of Neuron Theory Shaky / New Mysteries Brought to Life" (Asahi Shimbun - Translation); August 4, 1987.
- 10 "Conference of Internation Experts, Dr Kato of REFR to participate Soviet Nuclear Power Plant Accident" (Chugoki Shimbun - Translation); May 7, 1987.
- 11 "RERF Study Reveals Increased Incidence of Hyperparathyroidism Among A-Bomb Survivors" (Chugoki Shimbun - Translation); June 5, 1987.
- 12 "RERF Board in Favor of US-Japan Negotiations on Relocation, Agrees to Consider Former Site of Hiroshima Faculty of Engineering" (Chugoki Shimbun - Translation); June 12, 1987.
- 13 "Discussion to be held on Relocations"(Chugoki Shimbun - Translation); June 10, 1987.
- 14 "RERF to soon appeal ruling on Discriminatory Retirement Age to Supreme Court" (Chugoki Shimbun - Translation); June 24, 1987.
- 15 "Planning Committee of RERF Inaugurated to Prepare for Relocation" (Chugoki Shimbun - Translation); June 24, 1987.
- 16 "Editoial: Reassessment of Radiation Dose and Atomic Bomb Survivors" (Chugoki Shimbun - Translation); July 13, 1987.
- 17 "'Will Strive for Relocation of RERF' - Welfare Minister Urges Early Completion of Future Plans" (Chugoki Shimbun - Translation); July 13, 1987.
- 18 "Lung Cancer Incidence Twofold Higher in Atomic Bomb Survivors" (Chugoki Shimbun - Translation); July 16, 1987.

- 19 "Condition for Relocation of RERF to be Proposed this month" (Chugoki Shimbun - Translation); October 4, 1987.
- 20 "Radiation Protection Standards to be Revised Based on New RERF Data. ICRP Establishes Special Group for more rigid standards" (Chugoki Shimbun - Translation); October 15, 1987.
- 21 "Cancer Mortality Rate Among A-Bomb Survivors 70% to 80% Higher by new Dosimetry System. RERF Makes Recalculation by new Dosimetry System" (Chugoki Shimbun - Translation); August 18, 1987.
- 22 "Certificate of Appreciation from Minister of Health and Welfare to Mr. Rappaport, former Business Administrator of RERF" (Chugoki Shimbun - Translation); August 22, 1987.
- 23 "High Cancer Mortality in A-Bomb Survivors / Sharp Increase in the Young Latent Period 30-50 Years / Welfare Ministry to reexamine Countermeasures"(Mainichi Shimbun - Translation); June 24, 1987.
- 24 "Cancer Mortality High Even with Exposure to Low-Level Doses. 2-to-16 Times Higher than Past Estimates. 'Lifetime Risk' per one REM calculated by RERF" (Mainichi Shimbun - Translation); October 6, 1987.
- 25 "Study Results on 'DS86' Reported" (Nagasaki Shimbun - Translation); March 18, 1987.
- 26 "Risk of Breast Cancer Increases by 20%-30% Revealed by RERF Radiation Dose Reassessment " (Nagasaki Shimbun - Translation); March 19, 1987.
- 27 "RERF Scientific Council Recommends Calculation of Exposure Dose using DS86" (Nagasaki Shimbun - Translation); March 21, 1987.
- 28 "Breast Cancer Frequency in Exposed Women Disclosed by Nagasaki University Group" (Nagasaki Shimbun - Translation); June 11, 1987.
- 29 "Occurance of Thyroid Disorders in "Dark Rain" Area Five Times Higher Than Usual, Being Equivalent to that in A-Bomb Survivors" (Nagasaki Shimbun - Translation); October 2, 1987.
- 30 "Profile: Dr. Shigenobu Nagataki, Professor, Nagasaki University School of Medicine, who studied the effects of "Dark Rain"" (Nagasaki Shimbun - Translation); October 15, 1987.
- 31 "RERF Scientific Council Meeting to be Started in Nagasaki today with 30 Participants including U.S. Scientists" (Nagasaki Shimbun - Translation); March 17, 1987.
- 32 "Radiation Effects Research Foundation: The only joint U.S.-Japan Research Organization of the Kind" (Nikken Kogyo Shimbun - Translation); August 14, 1987.
- 33 "RERF Complete Review of data on 22,000 A-Bomb Survivors"(Nishinohon Shimbun - Translation); March 18, 1987.

- 34 "Reassessment of A-Bomb Dosimetry by RERF Disclosed an Increased Risk of Cancer" (Nishinohon Shimbun - Translation); March 21, 1987.
- 35 "Dr. Katsutaro Shimaoka (55), who served as local host at the RERF Scientific Council Meeting" (Nishinohon Shimbun - Translation); March 28, 1987.
- 36 "RERF Scientific Council Meeting Begins in Nagasaki" (Yomiuri Shimbun - Translation); March 18, 1987.
- 37 "Frequency of Skin Cancer High Among A-Bomb Survivors. Demonstrated in studies in Hiroshima and Nagasaki Among Survivors Exposed to High Dose at a Young Age" (Yomiuri Shimbun - Translation); June 4, 1987.
- 38 "Dosimetry Reassessment Discussed at the Subcommittee Meetings of World Convention of the Japanese Congress Against A- and H- Bombs" (Yomiuri Shimbun - Translation); August 6, 1987.
- 39 "US- Japan Joint Atomic Bomb Radiation Reassessment Committee Releases Report. Hiroshima A-Bomb Gamma Dose Assessed Higher and Neutron Dose one-tenth of Tentative Values. Radiation Exposure Standards may be Drastically Revised" (Mainichi Shimbun - Translation); July 9, 1987.

Series VI: Akio Awa Cartoons; 1967-1970

Scope and Content Note: Dr. Akio Awa's cartoons capture some the flavor of life as a researcher with ABCC. Dr. William Schull said that Dr. Awa would leave his cartoons on the table after staff meetings and that Dr. Hamilton collected them.

Box Folder

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|---|---|----------------------------------------------|
| 1 | 1 | Dr. Akio Awa Cartoons Series I; 1967-1970. |
| | 2 | Dr. Akio Awa Cartoons Series II; 1968. |
| | 3 | Dr. Akio Awa Cartoons Series III; 1968-1969. |
| | 4 | Dr. Akio Awa Cartoons Series IV; 1970. |

Series VII: Additional Correspondence; 1945-1988

Scope and Content Note: This series of correspondence was added to the existing collection after the original collection was processed and ordered. Correspondents are listed by first and last name (when it is possible to do so) the first time they are listed, and thereafter by first initial and last name.

Box Folder

- | | | |
|---|---|----------------------------------------------------------------|
| 1 | 1 | Correspondence Howard Hamilton to Akio Awa; May 30, 1986. |
| | 2 | Correspondence H. Hamilton to A. Awa; January 28, 1987. |
| | 3 | Correspondence Nicholas Wald to A. Awa; February 13, 1987. |
| | 4 | Correspondence H. Hamilton to A. Awa; March 2-18, 1987. |
| | 5 | Correspondence H. Hamilton to Stewart Finch; June 12-24, 1987. |
| | 6 | Correspondence H. Hamilton to S. Finch; December 14, 1987. |

- 7 Correspondence H. Hamilton to S. Finch; January 4-6 1988.
- 8 Correspondence from Robert Ferrell to H. Hamilton; August 19, 1980.
- 9 Correspondence from Akira Yoshida to H. Hamilton; September 11, 1980.
- 10 Correspondence from A. Yoshida to H. Hamilton; September 25, 1980.
- 11 Correspondence from A. Yoshida to H. Hamilton; December 9, 1981.
- 12 Correspondence from William Schull to H. Hamilton; January 3, 1983.
- 13 Correspondence from A. Yoshida to H. Hamilton; September 20, 1984.
- 14 Correspondence from A. Yoshida to H. Hamilton; October 11, 1984.
- 15 Interoffice memo from H. Hamilton to Dr. Kagan /
Correspondence from A. Yoshida to H. Hamilton; November 6-21 1984.
- 16 Correspondence from A. Yoshida to H. Hamilton; December 7, 1984.
- 17 Correspondence from A. Yoshida to H. Hamilton; February 4, 1985.
- 18 Correspondence from A. Yoshida to H. Hamilton; March 12, 1985.
- 19 Correspondence from A. Yoshida to H. Hamilton; April 9-26, 1985.
- 20 Correspondence from A. Yoshida to H. Hamilton; June 5, 1985.
- 21 Correspondence from Sadayuki Ban to H. Hamilton /
Correspondence from W. Schull to H. Hamilton; July 26 -
August 26, 1985.
- 22 Correspondence from A. Yoshida to H. Hamilton; October 17, 1985.
- 23 Correspondence from A. Yoshida to H. Hamilton; December 5, 1985.
- 24 Correspondence from R.K. Boutwell to H. Hamilton /
Correspondence from Hideo Sasaki to H. Hamilton; April 6-24, 1986.
- 25 Correspondence from A. Yoshida to H. Hamilton; May 9, 1986.
- 26 Correspondence from A. Awa to H. Hamilton / Correspondence
from A. Yoshida to H. Hamilton; June 11-23, 1986.
- 27 Correspondence from Chiyoko Satoh to H. Hamilton; July 15, 1986.
- 28 Correspondence from Walter Russell to H. Hamilton; November 20, 1986.
- 29 Correspondence from N. Wald / K. Clifton to H. Hamilton;
January 14-24, 1987.

- 30 Correspondence from Seymour Jablon / A. Awa / A. Yoshida to H. Hamilton; February 24-25, 1987.
- 31 Correspondence from A. Yoshida to H. Hamilton; April 14, 1987.
- 32 Correspondence from A. Yoshida / P. Lebovitz to H. Hamilton; May 29, 1987.
- 33 Correspondence from A. Awa / S. Finch / W. Russell to H. Hamilton; June 5-19 1987.
- 34 Correspondence from S. Finch / J. Neel / C. Satoh / W. Russell / A. Yoshida to H. Hamilton; July 1-21, 1987.
- 35 Correspondence from S. Finch to H. Hamilton; September 28, 1987.
- 36 Correspondence from S. Finch to H. Hamilton; December 23, 1987.
- 37 Correspondence from S. Finch to H. Hamilton; May 28, 1988.
- 38 Correspondence from F. L. Wong to H. Hamilton; July 22, 1988.
- 39 Correspondence from A. Yoshida / S. Finch / G. W. Beede to H. Hamilton; August 1-19, 1988.
- 40 Correspondence from S. Miwa to H. Hamilton; September 28, 1988.
- 41 Correspondence from S. Finch to H. Hamilton; October 26, 1988.
- 42 Correspondence from A. Yoshida / S. Finch H. Hamilton; November 9-10, 1988.
- 43 Correspondence from J. W. Thiessen to H. Hamilton; December 27, 1988.
- 44 Correspondence from H. Hamilton to Dr. Boutwell; May 31, 1985.
- 45 Correspondence from H. Hamilton to W.J. Russell; July 6, 1987.
- 46 Correspondence from H. Hamilton to J. Neel; July 23, 1987.
- 47 Correspondence from H. Hamilton to Don Pierce; December 15, 1987.
- 48 Correspondence from H. Hamilton to Dale Preston and Jill O'Hara; February 27, 1985.
- 49 Correspondence from H. Hamilton to W. Russell; June 29, 1987.
- 50 Correspondence from H. Hamilton to Hideo Sasaki; June 23, 1986.
- 51 Correspondence from A. Yoshida to C. Satoh; July 28, 1986.
- 52 Correspondence from H. Hamilton to C. Satoh; June 30, 1987.
- 53 Correspondence from H. Hamilton to C. Satoh; August 15, 1987.
- 54 Correspondence from H. Hamilton to W. Schull; May 4, 1987.
- 55 Correspondence from H. Hamilton to W. Schull; June 5-22, 1987.

- 56 Correspondence from H. Hamilton to Itsuzo Shigematsu; January 4, 1988.
- 57 Correspondence from W. Russell to Walter Spitzer; July 6, 1987.
- 58 Correspondence from H. Hamilton to N. Wald; January 28, 1987.
- 59 Correspondence from A. Awa to N. Wald; February 25, 1987.
- 60 Correspondence from S. Finch to N. Wald; March 25, 1987.
- 61 Correspondence from H. Hamilton to F. Lennie Wong; August 14-30, 1988.
- 62 Correspondence from H. Hamilton to A. Yoshida; July 17, 1981.
- 63 Correspondence from H. Hamilton to A. Yoshida; November 15, 1984.
- 64 Correspondence from H. Hamilton to A. Yoshida; December 5, 1984.
- 65 Correspondence from H. Hamilton to A. Yoshida (p.2 only); March 20, 1985.
- 66 Correspondence from H. Hamilton to A. Yoshida; June 3, 1985.
- 67 Correspondence from H. Hamilton to A. Yoshida; November 12, 1985.
- 68 Correspondence from H. Hamilton to A. Yoshida; April 2, 1986.
- 69 Correspondence from H. Hamilton to A. Yoshida; June 2, 1986.
- 70 Correspondence from C. Satoh to A. Yoshida; July 14, 1986.
- 71 Correspondence from H. Hamilton to A. Yoshida; June 18-30, 1987.

Series VIII: Addendum Series; 1948-1997

Scope and Content Note: This series contains material that was added to the MS 66 collection after it was initially processed and organized. Folders 1-12 were originally part of series VII, but it clearly makes more sense to include them in the addendum series than in a series of correspondence. It should be noted that Folder 1 of series VIII was previously Folder 72 of series VII, Folder 2 of series VIII was previously folder 73 of series VII, and on through Folder 12 of series VIII, which was previously Folder 83 of series VII.

Box	Folder	
1	1	Correspondence from Motoshi Yamasaki to Dr. Harris; May 24, 1950 - March 4, 1951.
	2	Correspondence from H.M.C. Luykx to Dr. Taylor; August 31, 1950.
	3	Invitational Travel Itineraries from the U.S. Army Office of the Adjutant General to several members of the ABCC (two copies); July 23, 1948.
	4	Early ABCC Documents - Research Project Outline; May 25 - June 8, 1950.
	5	Progress Report - Residual Radiation; August 10, 1950.

- 6 Minutes of Executive Research Committee Meeting; June 5, 1950.
- 7 "Special Orders and Temporary Duty;" April 17 - May 5, 1951.
- 8 Hourly Weather Observations - Nagasaki Marine Observatory; August 9, 1945.
- 9 Article: "ABO Phenotype Association with Risk Factors of Corinary Heart Disease in the Adult Health Study and its Relation to Radiation Exposure - Hiroshima and Nagasaki" Hamilton co-author; August 31, 1988.
- 10 Article: "Genetic Mechanism of Cis-AB Inheritance" American Journal of Human Genetics; September, no year given (circa 1980-1990).
- 11 Article: "Summary of Us- Japan Workshop on Hepatitis B Virus and Primary Hepatocellular Carcinoma" Japanese Journal of Cancer Research. v. 78, pages 869-874; August 1987.
- 12 Article: "Rheumatoid Arthritis in Atomic Bomb Survivors: A follow-up Study Predetermined by Initializing the ARA Diagnostic Criteria" Published by RERF; circa 1989.

Box Folder

- 2 13 A, B Blood Groups - manuscript drafts and related correspondence; 1985-1988.
- 14 Hiroshima - Nagasaki Blood Group MS and Data; 1971-1997.
- 15 Letter from Howard Hamilton to the Japanese Society of Human Genetics on receiving a prize from the society; October 21, 1997.
- 16 "Hiroshima Odori" Dance Performance Program; 1948.
- 17 Photograph. Dosimetry Work Group. Nagasaki; February 1983.
- 18 Photograph. Genetic Study Conference. Hiroshima; March 4-5, 1984.
- 19 Photograph. Science Council Eleventh Meeting. Hiroshima; Mach 6-8 1984.
- 20 Photographs. National Research Council Meeting; circa 1982.
- 21 Photograph. 10th Science Council Meeting; February 14, 1983.
- 22 Photograph. RIJIKAI Board of Directors Meeting; June 8, 1983.
- 23 Photograph. Second US- Japan Joint Workshop for Reassessent of Atomic Bomb Dosimetry; November 8-9, 1983.
- 24 Photograph. 9th ABCC 10 Year Service Awards; 1966.
- 25 Photograph. Advisory Committee Meeting. ABCC Headquarters, Hiroshima; circa 1956 or 1957.
- 26 Photograph. Senator Kennedy at ABCC (RERF); January 17, 1978.
- 27 Photograph. Senator Kennedy at RERF; January 17, 1978.
- 28 Photograph. Senator Kennedy at RERF; January 17, 1978.
- 29 Photograph. Senator Kennedy at RERF; January 17, 1978.
- 30 Photograph. Senator Kennedy at RERF; January 17, 1978.