

**Papers of James V. Neel, M.D., Ph.D.  
Manuscript Collection No. 89  
of the  
Houston Academy of Medicine - Texas  
Medical Center Library  
1133 John Freeman Blvd.  
Houston, Texas 77030**

**Compiled by  
Margaret A. Irwin  
June 1995**

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## **I. Introduction**

James V. Neel is one of world's premier geneticists. He has contributed to the field of human genetics as a scientist, physician, professor, consultant and administrator. He received his Ph.D. as well as M.D. from the University of Rochester in New York. He completed his residency at Strong Memorial Hospital in Rochester, New York. Dr. Neel has been affiliated with the University of Michigan, Ann Arbor for nearly fifty years. Since 1985, he has served as the Lee R. Dice Distinguished University Professor Emeritus of Human Genetics and Professor Emeritus of Internal Medicine, University of Michigan, Ann Arbor. He has served and continues to serve on the committees of a number of national and international institutes, governmental agencies and organizations.

Dr. Neel donated his papers to the Harris County Medical Archive in August and November of 1994. The materials are a result of his association with the Atomic Bomb Casualty Commission. Dr. Neel served as the Acting Director of Field Studies for the Atomic Bomb Casualty Commission, September 3, 1947 to March 13, 1948 and as a consultant to the Radiation Effects Research Foundation. About half of the material is correspondence, memos for the record and minutes of meetings. The other half reflects Dr. Neel's genetic research. Much of the early data was used by Dr. James V. Neel and Dr. William J. Schull to write their 1956 monograph on the children of a-bomb survivors.

An equal amount of material stems from his association with the Radiation Effects Research Foundation, the successor organization of the ABCC. Historically, there is absolute continuity between the two organizations. Presumably, an historian of the foundation of the ABCC could not avoid following some of the early developments under ABCC to their logical conclusion under RERF.

Dr. Neel's collection is one of the largest and most complete of the ABCC Collections held by the Houston Academy of Medicine-Texas Medical Center Library (29 boxes/ 11 linear feet). The collection is open for research. Individuals interested in using the collection should contact the Director of the Historical Research Center or the Coordinator for the ABCC Collections.

## **II. Biography**

James Van Gundia Neel was born on March 22, 1915 in Hamilton Ohio, the eldest of three children. After the death of his father in 1925, the Neel family moved from Detroit to Wooster, Ohio. At the tender age of 16, James Neel began taking courses at Wooster College. While there he studied under Professor Warren P. Spencer. It was there he discovered what he wanted to do for the rest of his life. Recently he wrote: "I can still recall my sense of excitement when I glimpsed for the first time the orderly processes that undergird the tremendous diversity of nature." (1) In 1935, he received his Bachelor of Arts degree.

He continued his studies at the University of Rochester in New York. Dr. Curt Stern was his mentor. Dr. Stern had escaped Nazi Germany and was the principal contributor to the *Drosophila* literature. In fact, James Neel was his first Ph.D. student. His dissertation was entitled "The Interrelations of Temperature, Body Size, and Character Expression in *Drosophila*. II. The Pattern of Supernumerary Macrochaetae in Certain *Drosophila* Mutants." He was awarded a doctorate in 1939. Upon receiving his degree he accepted a post at Dartmouth College in Hanover, New Hampshire and taught courses in introductory biology and genetics. His graduate training continued with a National Research Council Fellowship in Zoology at Columbia University, 1941-1942 and as Cramer Fellow at Dartmouth College, 1942-1943.

Dr. Neel began his medical education at the University of Rochester at the age of 27. While completing his studies he met and courted Priscilla Baxter. They were married on May 6, 1943. Because World War II accelerated the schedule of medical education he graduated in September of 1944 with a Doctor of Medicine degree. Dr. Neel completed a one year internship in internal medicine. He served his residency at Strong Memorial Hospital in Rochester, New York.

During World War II Dr. Neel served in the U.S. Army as a Lieutenant from 1943-1944 and 1946-1947. Upon completion of his military commitments he and his family moved to Ann Arbor, Michigan where he accepted a post at the University of Michigan. Ann Arbor proved to be an ideal setting, "...the juxtaposition of a good large university with a small town."(2) It remains home for the Neels to this day.

Dr. Neel has been dedicated to the University of Michigan for nearly fifty years. His first appointment was Assistant Geneticist to the Laboratory of Vertebrate Biology, 1946-1948. Dr. Neel quickly rose to the post of full professor in the Department of Internal Medicine and the Department of Human Genetics in the University of Michigan Medical School. He served as the Chairman of the Department of Human Genetics, 1956-1981. In 1985, he was appointed Lee R. Dice Distinguished University Professor Emeritus of Human Genetics and Professor Emeritus of Internal Medicine, University of Michigan Medical School, Ann Arbor.

Dr. Neel is a leader in the study of human genetics. His research and scientific activities have taken him all over the world. He was the Acting Director of Field Studies for the Atomic Bomb Casualty Commission, September 3-1947 to March 31-1948. At present, he is a sometime consultant to the Radiation Effects Research Foundation, Hiroshima, Japan. He has served in a variety of posts for over fifty national and international institutes, governmental agencies and organizations. Noted here are three such committees: Member, Council on Biology in Human Affairs, Salk Institute, 1971-1975; Health and Environmental Research Advisory Committee, Department of Energy, 1984-1985; Chairman, Ad Hoc Expert Committee on Radiation (Effects of Radiation on Human Heredity), World Health Organization, July-August, 1958. His committee participation in the field of genetics and atomic radiation are well known.

He also serves on the editorial board of a number of human genetic and biological journals. Listed here are the publications : Blood, 1950-1961 (Advisory Board); Perspectives in Biology and Medicine, 1956-present; Life Sciences, 1963-1970; Proceedings of the National Academy of Sciences 1967-1972; (Associate Editor) 1968-1972, Behavioral Genetics, 1969-1970; Mutation Research, 1964-1975; Journal of Molecular Evolution, 1969-1980; Journal of Human Evolution, 1970-1982; Clinical Genetics, 1970-present; Genetic Epidemiology, 1984-present; Gene Geography, 1984- present; Blood Cells, Molecules, and Diseases, 1994-present. He has written, edited or co-authored a dozen books and written over 400 articles.

For his outstanding scientific contributions Dr. Neel has been given nearly thirty honors and awards. For example the 1960 Lasker Award American Public Health Association; Allan Award, American Society of Human Genetics; 1975 National Medal of Science; 1984 Michigan Scientist of the Year; 1991 George and Marie Andros Lecture, University of Chicago School of Medicine; 1995 James D. Bruce Award, American College of Physicians.

He has also been elected to several learned societies. They are: American College of Physicians (1960); Laureate Award (1987), Association of American Physicians (1962), National Academy of Science (1963); Council (1970-1973), National Philosophical Society (1965); American Academy of Arts and Sciences (1971); Membership Committee (1988-1990), Institute of Medicine, National Academy of Sciences (1972); Chairman, Program Committee, (1974-1975); Royal Society of Medicine (1992), American College Of Medical Genetics, Honorary Fellow

(1993). Dr. Neel has also been awarded honorary Doctorates of Science from College of Wooster, Wooster, Ohio (1959), University of Rochester, Rochester, New York (1974) and the Medical College of Ohio, Toledo, Ohio.

Dr. Neel has been a member and/or officer in twelve professional societies. Phi Beta Kappa, Sigma Xi, University of Michigan Chapter, Council (1953-1955); President(1971-1973);Alpha Omega Alpha; Genetics Society of America; American Society of Human Genetics, Board of Directors 19948-1950); Vice President (1952-1953); President (1953-1954); Boards of Directors (1968-1970); American Federation for Clinical Research; American society of Naturalists; American Genetic Association, Japan Society of Human Genetics; Brazilian Society of Genetics (corresponding members) Brazilian Academy of Sciences (corresponding members); International Genetic Epidemiology Society, President (1991-1993).

Dr. Neel continues to write, lecture and conduct research. His most recent book is Physician to the Gene Pool. He also is a sometime consultant to several organizations e.g. U.S. Veterans Administration, Pan American Health Organization and Radiation Effects Research Foundation. He and his wife, Priscilla, enjoy the arts, entertaining colleagues, spending time their three grown children - Frances, James Jr. and Alexander - other family members and traveling.

1. Neel, J.V. Physician to the Gene Pool. New York : John Wiley & Sons, 1994. p. 1. 2. Ibid, p.13

### **III. Organization**

The James V. Neel Collection includes significant documents of every phase of his association with the Atomic Bomb Casualty Commission and the Radiation Effects Research Foundation. The papers are both scientific and administrative. Dr. Neel served as the Acting Director of Field Studies for the ABCC. Organized by agency and subject, these records provide vital information on the foundation,(established November 25, 1946) and the day-to-day operation of the ABCC. A large portion deals with his genetics research conducted in Japan. Clearly illustrated is his pre-eminence in the field of human genetics. The strength of the collection lies in the primary source documents, including correspondence with ABCC members, government officials and military personnel, staff rosters, budgets and field reports. The Neel collection is arranged in nine series:

- I. ABCC Communication and Correspondence - Incoming
- II. ABCC Communication and Correspondence - Outgoing
- III. CMAC Committee on Atomic Casualties
- IV. Hematology
- V. Research
- VI. ABCC and NRC
- VII. Genetics Research
- VIII. ABCC and RERF
- IX. Manuscript - Physician to the Gene Pool

The individual series are arranged chronologically and alphabetically where applicable. The collection arrived with some sections organized. Where possible, the initial organization was retained.

The collection includes correspondence with individuals, government departments and agencies from the United States and Japan, the National Research Council, National Academy of Science, Committee on Atomic Casualties, National Academy of Engineering, memoranda, minutes, forms, reports, laboratory notes, surveys, manuscripts, scientific publications, agency and department publications, agendas, lectures and addresses, administrative records, charts, graphs and photographs. There are some documents written in Japanese and a few in both English and Japanese.

Dr. Neel's Collection included a very limited number of photographs. The majority corresponds to reports, articles or lectures. Only two sets of photographs accompanied incoming correspondence. Most are black and white glossy photoprints of texts, graphs, charts and other data. For continuity, they were left with their respective reprints, lab notes, manuscripts and conference documents. Their placement is clearly noted in the following inventory.

### **Series Description**

#### **I. ABCC Communication and Correspondence - Incoming 6 Boxes**

The correspondence in this series date from 1946 through 1969. The letters are arranged chronologically. Dr. Neel has provided a partial list of correspondents from 1947-1948. Two letters have enclosed photoprints. They remain with the letters. Letters, bulletins, telegrams, phone messages, and memos are filed here. The documents describe the establishment, daily operation and changes in the Atomic Bomb Casualty Commission.

#### **II. ABCC Communication and Correspondence - Outgoing 3 Boxes**

The communication and correspondences in this series date from 1946 through 1955. Like the incoming materials this series is arranged chronologically. Dr. Neel has provided a partial list of correspondents for the years 1946 through 1948. Included are numerous forms of communications e.g. letters, postcards, announcements, memos, phone logs and telegrams.

#### **III. CMAC Committee on Atomic Casualties 2 Boxes**

This series only contains minutes from the meetings of Committee on Atomic Casualties. The CMAC served as an advisory committee. It was established in 1947 and functioned until 1975. In the organizational hierarchy the Committee on Atomic Casualties reported directly to the Division of Medical Sciences of the National Academy of Sciences-National Research Council. The Atomic Bomb Casualty Commission was under the CMAC. Thomas Rivers, a virologist was head of the committee and Dr. Philip S. Owen served as the Executive Director of the CMAC.

#### **IV. Hematology 1 Box**

In the ABCC the departments were divided between two large divisions : clinical investigation and laboratory investigation. The hematology department reported to the laboratory investigation division. This small research series is composed of materials from hematology programs number one and two. Genetic and Hematological studies at the ABCC began simultaneously. Dr. James V. Neel and Dr. Fred Snell headed the hematology research. Dr. Snell was a clinician. After his association with the ABCC, Dr. Snell went to the Medical School of the State University of New York at Buffalo. The first program researched the recovery and the failure of recovery of the hematological system of exposed people. Those with radiation sickness and those not exposed in Kure were examined. This study was repeated with samples from both groups. Scholars studying radiation science and radiation medicine will find this series particularly interesting.

#### V. Research 1 Box

The research in this series highlights Dr. Neel's investigation of mentally retarded children in Nagasaki. Included are lectures, notes, statistics and reports. This small study was begun by Dr. James N. Yamazaki in late 1949. The case findings were established by identifying pregnant exposed women registered in the genetics program. Those fetuses exposed in utero were examined. Clinical studies had shown the dangers of limited radiation exposure. Initially, no strong statement was issued about the elevated exposure. It was reasonable to presume the increased radiation levels created more danger of stillbirths, abortion and deaths for pregnant women. The expanded study allowed ABCC scientists to issue more definitive statements. Fetuses and children exposed to even low-level radiation would likely suffer arrested brain development. At 100 rads, mental retardation is almost certain. Dr. Yamazaki was the physician in charge of the ABCC in Nagasaki from 1949 to 1951. He later went to the University of California at Los Angeles as a clinical pediatrician. He also was involved in monitoring several hundred Marshallese people who were exposed to radioactive fallout from a 1954 atomic bomb test at Bikini Atoll.

#### VI. ABCC and NRC 1 Box

Memoranda and reports issued by the ABCC are filed in this series. Included are materials compiled by the NAS (National Academy of Sciences), the NRC (National Research Council) and NAE (National Academy of Engineering) from 1963-1971. The ABCC was jointly sponsored by the United States National Research Council and the Japan National Institute of Health - Ministry of Health and Welfare. The NAS-NRC is a private non-profit organization of scientists, dedicated to the furtherance of science and to its use for the general welfare. The NAS was established in 1863 under Congressional Charter signed by President Abraham Lincoln. The NAS is not a governmental agency. The NRC was established by the NAS in 1916 during the Wilson Administration. The NRC can be thought of as the operating agency under the NAS.

#### VII. Genetics Research 8 Boxes

This is the largest series in Dr. Neel's collection. Included are genetics data, vital statistics, long and short forms (in English and Japanese), questionnaires (in English and Japanese), reports, laboratory notes, maps, documents from a number of programs. Under the leadership of Dr. Neel between, 1948 and 1953 more than 71,000 pregnancies were identified in Hiroshima and

Nagasaki. Home visits were conducted by the ABCC physicians shortly after birth and again at 9 months of age. Such features as stillbirths, malformations, birth weights, and sex ratio were looked at in relation to the parental radiation exposure.

#### VIII. ABCC and RERF 7 Boxes

The ABCC officially closed in March of 1975. The Radiation Effects Research Foundation was inaugurated on April 1st, 1975. This is second largest series in Dr. Neel's Collection. Dr. Neel has saved documents reflecting the operation and changes in both the ABCC and the RERF. Included are correspondence with key figures, budgets, policies, memos, legal documents, reports and protocol. Publications from the Biochemical Genetics Study are filed here. Series VIII. ABCC and RERF is divided into five subseries: VIII.1 RERF Misc. Correspondence; VIII.2 Consultants Correspondence 1; VIII.3 Consultants Correspondence 2; VIII.4 Staff Correspondence 1; VIII 5. Staff Correspondence 2.

#### IX. Manuscript 1 Box

This series contains a typescript of Dr. Neel's manuscript for his book, Physician to the Gene Pool. Dr. Wm. J. Schull donated this manuscript in January of 1994.

#### **Important subjects:**

Atomic Bomb Casualty Commission, atomic calculations, atomic medicine, congenital and hereditary abnormalities, consanguinity, cytogenetics, genetics, hematology, Hiroshima, Japan, Kitamura Program, Matsubayashi Study, mental retardation, Nagasaki, National Academy of Engineering, National Academy of Sciences, National Research Council, radiation, serology, Tokyo, vital statistics.

#### **Among the correspondents are :**

H. Grant Taylor, Carl F. Tessmer, William J. Schull, G. Darling, Gilbert Beebe, Seymour Jablon, Marvin Kastenbaum, Robert W. Miller, Fred M. Snell, Shields Warren, Philip Handler, Herbert Gardner, Richard C. Brewer, Newton Morton, Carl Harris, Lowell Woodbury, D.J. McDonald, Earle L. Reynolds, Philip S. Owen, Chiyoko Satoh, H. Hamilton, M. Rappaport, H. Maki, N. Yamamoto, N. Takahashi, Masuo Kodani, Stanley W. Wright, K. Sakai, Mariyama Choi, Kenji Joji, Norio Fujiki, E. Matsunaga, Shiro Miwa, Hiroshi Nakajima, Yukio Nishimoto, Susumi Shibata, Toshiyuki Yanese.

#### **Series I. ABCC Communication and Correspondence - Incoming**

##### **Box 1**

- |          |  |
|----------|--|
| Folder 1 | Incoming mail and list 1948-1947.      |
| Folder 2 | Incoming mail 1947-1946                |
| Folder 3 | Incoming mail August 1948 - June 1948. |
| Folder 4 | Incoming mail June-May-April 1948.     |

- Folder 5 Incoming mail May-April-February 1948.
- Folder 6 Incoming mail N/M -March-June-July-August-Sept.-Oct. 1948.\* \* Letter to Jim (James V. Neel) from Ray C. Anderson, dated 7 September 1948. Includes 3 black and white photoprints. On the backs of the photos is stamped "May 12, 1948. Brown Photo serv. Minn." 1. Mess Girls (824) 2. Construction Destruction (581) 3. Three men 25 Dec. 1947 (309)
- Folder 7 Incoming mail August-September 1948.
- Folder 8 Incoming mail June-July-August 1948.
- Folder 9 Incoming mail November-December 1948.
- Folder 10 Incoming mail September-November-December 1948-Jan. 1949.
- Box 2**
- Folder 11 Incoming mail August 1948 thru November 1948.
- Folder 12 Incoming mail February 1949, March 1949
- Folder 13 Incoming mail December 1948 thru May 1949
- Folder 14 Incoming mail Jan. 1949 thru Mar. 1949, Apr. 1957, May 1957.\*\* \*\* Letter to Jim (James V. Neel) From Masuo (M. Kodani) Includes 1 black and white photoprint of an aborted fetus 17 weeks.
- Folder 15 Incoming mail May 1949 thru Sept. 1949.
- Folder 16 Incoming mail April 1949, May 1949.
- Folder 17 Incoming mail April 1949, June 1949.
- Folder 18 Incoming mail September 1949 thru November 1949.
- Folder 19 Incoming mail August 1949 thru November 1949.
- Folder 20 Incoming mail January 1950 thru December 1950.
- Box 3**
- Folder 21 Incoming mail December 1949- January 1950.
- Folder 22 Incoming mail December 1949.
- Folder 23 Incoming mail Jan. 1951 thru July 1951.
- Folder 24 Incoming mail Feb. 1951 thru April 1951.
- Folder 25 Incoming mail Jan. 1951, February 1951.
- Folder 26 Incoming mail July 1951 thru December 1951.
- Folder 27 Incoming mail Apr. 1951, Sept. thru Nov. 1951.
- Folder 28 Incoming mail July 1951 thru Oct. 1951.
- Folder 29 Incoming mail July 1951, August 1951.
- Folder 30 Incoming mail November 1951, December 1951.
- Folder 31 Incoming mail Feb. 1952, May 1952, June 1952, Aug. 1952.
- Folder 32 Incoming mail Aug. 1952, Sept. 1952.



Folder 33 Incoming mail Oct. 1951, thru December 1951.  
Folder 34 Incoming mail December 1951, Jan. 1952, Feb. 1952, April 1952.  
Folder 35 Incoming mail December 1951 thru June 1952.

**Box 4**

Folder 36 Incoming mail May 1952 thru August 1952.  
Folder 37 Incoming mail August 1952 thru September 1952.  
Folder 38 Incoming mail September 1952 thru December 1952.  
Folder 39 Incoming mail January 1953 thru March 1953.  
Folder 40 Incoming mail April 1953 thru June 1953.  
Folder 41 Incoming mail June 1953 thru July 1953.  
Folder 42 Incoming mail August 1953.  
Folder 43 Incoming mail August 1953 thru September 1953.  
Folder 44 Incoming mail September 1953 thru October 1953.  
Folder 45 Incoming mail November 1953.  
Folder 46 Incoming mail October 1952, January 1953.  
Folder 47 Incoming mail February 1953 thru July 1953.  
Folder 48 Incoming mail July 1952, Nov. 1953, Dec. 1953, Jan. 1954.  
Folder 49 Incoming mail July 1952.  
Folder 50 Incoming mail January 1954 thru March 1954.  
Folder 51 Incoming mail February 1954 thru March 1954.  
Folder 52 Incoming mail February 1954 thru May 1954.  
Folder 53 Incoming mail May 1954 thru July 1954.  
Folder 54 Incoming mail May 1954 thru August 1954.  
Folder 55 Incoming mail August 1954 thru December 1954.  
Folder 56 Incoming mail January 1955 thru February 1955.  
Folder 57 Incoming mail December 1954, February 1955.  
Folder 58 Incoming mail Nov. 1952, Jan. 1955, Feb. 1955.  
Folder 59 Incoming mail Mar. 1955, April 1955, June 1955.

**Box 5**

Folder 60 Incoming mail May 1955 thru November 1955.  
Folder 61 Incoming mail October 1955 thru December 1955.  
Folder 62 Incoming mail January 1960, May 1960.  
Folder 63 Incoming mail August 1953 thru October 1953.  
Folder 64 Incoming mail May 1954.  
Folder 65 Incoming mail March 1955.

Folder 66 Incoming mail December 1955.  
Folder 67 Incoming mail January 1956, February 1956.  
Folder 68 Incoming mail March 1956.  
Folder 69 Incoming mail May 1956, June 1956, July 1956, Sept. 1956.  
Folder 70 Incoming mail October 1956 thru November 1956.  
Folder 71 Incoming mail January 1955.  
Folder 72 Incoming mail December 1956.  
Folder 73 Incoming mail March 1957, October 1957.  
Folder 74 Incoming mail February 1958, June 1958.  
Folder 75 Incoming mail March 1959.  
Folder 76 Incoming mail Sept. 1958, Nov. 1958, Dec. 1958.

**Box 6**

Folder 77 Incoming mail February 1959, March 1959.  
Folder 78 Incoming mail April 1959.  
Folder 79 Incoming mail Jan. 1959, April 1959 thru Aug. 1959.  
Folder 80 Incoming mail February 1960 thru August 1960.  
Folder 81 Incoming mail October 1960 thru December 1960.  
Folder 82 Incoming mail March 1961 thru December 1960.  
Folder 83 Incoming mail May 1962 thru October 1962.  
Folder 84 Incoming mail December 1962.  
Folder 85 Incoming mail Nov. 1962, Jan. 1963, Apr. 1963, August 1963.  
Folder 86 Incoming mail February 1962.  
Folder 87 Incoming mail May 1965, July 1965.  
Folder 88 Incoming mail March 1967, June 1967, July 1967.  
Folder 89 Incoming mail February 1969, March 1969.

**Series II. ABCC Communication and Correspondence - Outgoing**

**Box 1**

Folder 1 Outgoing mail List 1946-1948.  
Folder 2 Outgoing mail May 1946.  
Folder 3 Outgoing mail November 1946.  
Folder 4 Outgoing mail December 1946.  
Folder 5 Outgoing mail January 1947.

Folder 6	Outgoing mail February 1947.
Folder 7	Outgoing mail March 1947.
Folder 8	Outgoing mail April 1947.
Folder 9	Outgoing mail May 1947.
Folder 10	Outgoing mail June 1947.
Folder 11	Outgoing mail July 1947.
Folder 12	Outgoing mail August 1947.
Folder 13	Outgoing mail September 1947.
Folder 14	Outgoing mail October 1947.
Folder 15	Outgoing mail November 1947.
Folder 16	Outgoing mail December 1947.
Folder 17	Outgoing mail January 1948.
Folder 18	Outgoing mail February 1948.
Folder 19	Outgoing mail March 1948.
Folder 20	Outgoing mail April 1948.
Folder 21	Outgoing mail April 1948.
Folder 22	Outgoing mail May 1948.
Folder 23	Outgoing mail June 1948.
Folder 24	Outgoing mail July 1948.
Folder 25	Outgoing mail August 1948.
Folder 26	Outgoing mail September 1948.
Folder 27	Outgoing mail October 1948.
Folder 28	Outgoing mail November 1948.
Folder 29	Outgoing mail December 1948.
Folder 30	Outgoing mail January 1949.
Folder 31	Outgoing mail February 1949.
Folder 32	Outgoing mail March 1949.
Folder 33	Outgoing mail April 1949.
Folder 34	Outgoing mail May 1949.
Folder 35	Outgoing mail June 1949.
Folder 36	Outgoing mail July 1949.
Folder 37	Outgoing mail August 1949.
Folder 38	Outgoing mail September 1949.
Folder 39	Outgoing mail October 1949.
Folder 40	Outgoing mail November 1949.

**Box 2**

Folder 41	Outgoing mail November 1949.
Folder 42	Outgoing mail December 1949.
Folder 43	Outgoing mail January 1950.
Folder 44	Outgoing mail February 1950.
Folder 45	Outgoing mail March 1950.
Folder 46	Outgoing mail April 1950.
Folder 47	Outgoing mail May 1950.
Folder 48	Outgoing mail June 1950.
Folder 49	Outgoing mail July 1950.
Folder 50	Outgoing mail August 1950.
Folder 51	Outgoing mail October 1950.
Folder 52	Outgoing mail November 1950.
Folder 53	Outgoing mail December 1950.
Folder 54	Outgoing mail January 1951.
Folder 55	Outgoing mail February 1951.
Folder 56	Outgoing mail March 1951.
Folder 57	Outgoing mail April 1951.
Folder 58	Outgoing mail May 1951.
Folder 59	Outgoing mail June 1951.
Folder 60	Outgoing mail July 1951.
Folder 61	Outgoing mail August 1951.
Folder 62	Outgoing mail September 1951.
Folder 63	Outgoing mail October 1951.
Folder 64	Outgoing mail November 1951.
Folder 65	Outgoing mail December 1951.
Folder 66	Outgoing mail January 1952.
Folder 67	Outgoing mail February 1952.
Folder 68	Outgoing mail April 1952.
Folder 69	Outgoing mail May 1952.
Folder 70	Outgoing mail June 1952.
Folder 71	Outgoing mail July 1952.
Folder 72	Outgoing mail September 1952.
Folder 73	Outgoing mail October 1952.
Folder 74	Outgoing mail November 1952.

Folder 75	Outgoing mail December 1952.
Folder 76	Outgoing mail January 1953.
Folder 77	Outgoing mail February 1953.
Folder 78	Outgoing mail March 1953.
Folder 79	Outgoing mail April 1953.
Folder 80	Outgoing mail May 1953.
Folder 81	Outgoing mail June 1953.
Folder 82	Outgoing mail July 1953.
Folder 83	Outgoing mail August 1953.
Folder 84	Outgoing mail September 1953.
Folder 85	Outgoing mail October 1953.
Folder 86	Outgoing mail November 1953.
Folder 87	Outgoing mail December 1953

**Box 3**

Folder 89	Outgoing mail January 1954.
Folder 90	Outgoing mail February 1954.
Folder 91	Outgoing mail March 1954.
Folder 92	Outgoing mail April 1954.
Folder 93	Outgoing mail May 1954.
Folder 94	Outgoing mail June 1954.
Folder 95	Outgoing mail July 1954.
Folder 96	Outgoing mail August 1954.
Folder 97	Outgoing mail October 1954.
Folder 98	Outgoing mail November 1954.
Folder 99	Outgoing mail December 1954.
Folder 100	Outgoing mail January 1955.
Folder 101	Outgoing mail February 1955.
Folder 102	Outgoing mail March 1955.
Folder 103	Outgoing mail April 1955.
Folder 104	Outgoing mail May 1955.
Folder 105	Outgoing mail August 1955.
Folder 106	Outgoing mail September 1955.
Folder 107	Outgoing mail October 1955.
Folder 108	Outgoing mail November 1955.
Folder 109	Outgoing mail December 1955.

Folder 110	Outgoing mail January 1956.
Folder 111	Outgoing mail March 1956.
Folder 112	Outgoing mail May 1956.
Folder 113	Outgoing mail June 1956.
Folder 114	Outgoing mail July 1956.
Folder 115	Outgoing mail September 1956.
Folder 116	Outgoing mail October 1956.
Folder 117	Outgoing mail April 1961
Folder 118	Outgoing mail May 1961

### **Series III. CMAC - Committee on Atomic Casualties**

#### **Box 1**

Folders 1 - 15            CMAC Minutes 1947-1953

#### **Box 2**

Folders 16 - 25            CMAC Minutes 1953-1962

### **Series IV. Hematology**

#### **Box 1**

Folder 1	Hematology ABCC 1
Folder 2	Hematology ABCC 1
Folder 3	Hematology ABCC 1
Folder 4	Hematology Program ABCC 1
Folder 5	Hematology Program ABCC 1
Folder 6	Hematology Program ABCC 1
Folder 7	Hematology ABCC 2
Folder 8	Hematology ABCC 2
Folder 9	Hematology ABCC 2
Folder 10	Hematology ABCC 2
Folder 11	Hematology ABCC 2

### **Series V Research**

#### **Box 1**

Folder 1	Japan Lectures - Training.
Folder 2	Nagasaki - Study of Mental Ret. Children. (1)
Folder 3	Nagasaki - Study of Mental Ret. Children. (2)
Folder 4	Nagasaki - Study of Mental Ret. Children. (3)
Folder 5	Side Issues.

### **Series VI. ABCC and NRC**

#### **Box 1**

Folder 1	ABCC Memoranda
Folder 2	ABCC Memoranda
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Folder 4	ABCC Memoranda
Folder 5	ABCC Reports
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Folder 7	ABCC Reports
Folder 8	ABCC Reports
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Folder 10	NAS-NRC 1963-1971
Folder 11	NAS-NRC 1963-1971
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Folder 13	NAS-NRC 1963-1971
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Folder 15	NRC-NAS-NAE
Folder 16	NRC-Trust Fund

### **Series VII. Genetics Research**

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#### **Box 1**

Folder 1	Genetics Data 1948-1950
Folder 2	Genetics Data
Folder 3	Atomic Calculations.
Folder 4	Neurofibromatis Miscellany
Folder 5	The Constants of Mutation
Folder 6	A & C -Committee on Genetics-Effects of Radiation in Man.

Folder 7 Fukuoka Conference-Kyoto Conference  
 Folder 8 Genetics and Vital Statistics- Kure Conference  
 Folder 9 Matsubayashi Study. [includes: 27 black and white photoprints, 7 strips of negatives = 74 frames]  
 Folder 10 Conference (etc.) on Genetics State-side.  
 Folder 11 Genetics and Vital Statistics-Nagasaki Conference.  
 Folder 12 Forms for Declaration of Vital Statistics.  
 Folder 13 Genetics and Vital Statistics-Hiroshima Conference.  
 Folder 14 Genetics and Vital Statistics-Club Bureau Statistics  
 Folder 15 Genetics and Vital Statistics(miscellaneous). [includes: maps of Tokyo (continues data), 1 black and white photoprint of an unidentified man and Japanese woman dancing. Next to them is a group of Japanese men sitting]

**Box 2**

Folder 16 Genetics and Vital Statistics-Tokyo Conference[includes: 3 b&w photos]  
 Folder 17 Genetics and Vital Statistics  
 Folder 18 Genetics and Vital Statistics-Reports Oron General Plans.  
 Folder 19 Genetics and Vital Statistics-Reports Oron General Plans.  
 Folder 20 Genetics and Vital Statistics-Reports Oron General Plans.  
 Folder 21 Genetics and Vital Statistics-Reports Oron General Plans.  
 Folder 22 Genetics Consultant's Report to the Committee on Atomic Casualties National Research Council 1952.[Contains Midwife cards in Japanese and English]  
 Folder 23 Genetics Code.  
 Folder 24 Studies on Consanguinity and Heritability.  
 Folder 25 Cousin Marriage.  
 Folder 26 Genetics Section Monthly Reports-1948  
 Folder 27 Genetics Section Monthly Reports-1949  
 Folder 28 Cogenital and/or hereditary abnormalities in Japanese and Caucasians.  
 Folder 29 Cogenital and/or hereditary abnormalities in Japanese and Caucasians.  
 Folder 30 Cogenital and/or hereditary abnormalities in Japanese and Caucasians.  
 Folder 31 Cogenital and/or hereditary abnormalities in Japanese and Caucasians.

**Box 3**

Folder 32 Quarterly Reports Submitted from Japan.[includes photographs in the following reports: March 5, April 6, June 5 ]



Folder 33 Monthly Reports 1950.  
 Folder 34 Monthly Reports 1951,1952-Preliminary Tabulation Plans-1948.  
 Folder 35 List of Tabulation Available.  
 Folder 36 (1) Age composition of exposed and controls H,N, & K-1948.  
 Folder 37 (2) Major and minor malformations by sex and exposure of parent H,N - 1948.  
 Folder 38 (3) Malformation by distance from hypocenter of father and mother H-1948.  
 Folder 39 (4) Live birthweight and sex by exposure H,N,K - 1948.  
 Folder 40 (5) Reproductive behavior a and p Aug. 1945-1948.  
 Folder 41 (5) Cohabitation a and p 1945. H,N,K-1948.  
 Folder 42 (6) Symptoms in parents and malformation in their offspring.  
 Folder 43 (7) Symptoms by distance from hypocenter H-1948.

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Folder 44 (8) Malformation by consanguinity and Exposure H,K-1948.  
 Folder 45 (9) Birthweight by distance from hypocenter H,N.  
 Folder 46 (10) Duration of gestation by sex parental exposure H-1948.  
 Folder 47 (11) Birthweight by symptoms to parents H-1948.  
 Folder 48 (12) Malformations by month of occurrence-H,N,K.  
 Folder 49 (13) Type of terminations by exposure -H,N,K-1948.  
 Folder 50 (14) Multiply births by sex and exposure -H,N,K-1948.  
 Folder 51 (15) Multiply births by sex and consanguinity -H,N,K-1948.  
 Folder 52 Preliminary tubsongenetics follow-up questionnaire.  
 Folder 53 Types of malformations 1948.  
 Folder 54 Preliminary overall summary 1948[18 slides-1 lacking frame, 3 are duplicates]  
 Folder 55 Genetics-1949. [includes 43 large photoprints(1 glossy)]  
 Folder 56 VII A Malformation.[includes 5 glossy photoprints]  
 Folder 57 Genetics Long Data Forms.[includes 4 glossy photoprints]

**Box 5**

Folder 58 Calculation Sheet on Atomic Bomb Studies.  
 Folder 59 Japan Publ. Bus.  
 Folder 60 Radiation Census.  
 Folder 61 I. Midwife Training.

Folder 62 Residual Radiation on [includes maps(some folded) date 1945]

Folder 63 III. Criteria of Radiation.

Folder 64 IV. A Preparation,Modification, and use of Genetics-Short Form Question- [includes 10 b&w glossy photoprints of text, 1 b&w matte photoprint of a map, 1 b&w glossy of a memo, 6 b&w photoprints of text]

Folder 65 IV. A Preparation, Modification, and use of Genetics-Short Form Questionnaire.

Folder 66 IV. A Preparation, Modification, and use of Genetics-Short Form Questionnaire.

Folder 67 IV. A Preparation, Modification, and use of Genetics-Short Form Questionnaire.

Folder 68 IV. B. Preparation, Modification, and use of Genetics, Follow-up Questionnaire.[includes 13 Black & White glossy photoprints of text]

Folder 69 IV. B. Preparation, Modification, and use of Genetics Follow-up Questionnaire.

Folder 70 IV. B. Preparation, Modification, and use of Genetics Follow-up Questionnaire.

Folder 71 IV. A Miscellaneous Instructions Short Form.

Folder 72 IV. A Miscellaneous Instructions Short Form.

Folder 73 IV. A Miscellaneous Instructions Short Form.

Folder 74 IV. A Booklet for Pregnant Women.

Folder 75 IV. F Compute. Folder 76 IV. F Unrequested Series. Folder 77 IV. B Validation Items

### **Box 6**

Folder 78 IV. B Serology.

Folder 79 IV. C Autopsy Program.[includes 24 Glossy B&W glossy photoprints of text and memos]

Folder 80 IV. B Prep.,modification, and use of 9 month check-up.[includes 2 glossy B&W photoprints of text]

Folder 81 IV. E Pediatrics Follow-up (9 mos.) code.

Folder 82 IV. E Genetics Follow-up code.

### **Box 7**

Folder 83 IV. E Genetics Short Form Code Folder IV. E Malformation Codes[includes 1 B&W glossy photoprint of numbers and text and 1 photoprint]

Folder 84 IV. G Midwife contracts Folder 85 Control-Exposed Comparisons-Morton [includes 1 B&W glossy photoprint]

Folder 86 IV. C Consanguinity [includes 1 B&W glossy photoprint of a graph and 6 other photoprints]

Folder 87 IV. C Consanguinity (2)

Folder 88 IV. C Consanguinity (3)

Folder 89 IV. C Consanguinity (4)

Folder 90 IV. C Consanguinity (5)

Folder 91 IV. C Consanguinity (6)

Folder 92 IV. C Consanguinity (7)

Folder 93 IV. C Consanguinity (8)

Folder 94 IV. C Consanguinity (9)

Folder 95 IV. C Consanguinity (10)

Folder 96 IV. C Consanguinity (11)

Folder 97 IV. C Consanguinity (12)

Folder 98 IV. C Consanguinity

Folder 99 IV. D Economic Status

Folder 100 V. E Congenital

Folder 101 V. H Time trend in exposure histories[includes 3 Black and White Glossy photoprints of Text]

**Box 8**

Folder 102 VI. Plan of Analysis General + SF & LF.

Folder 103 VI. Plan of Analysis - 9 months.

Folder 104 Monthly Reports 1953

Folder 105 VII. Prematurity.

Folder 106 VII. B Type of termination.

Folder 107 VII. Sex Ratio.

Folder 108 VII. SF Malformation, Still birth, Birthweight, Death, Sex Ratio.

Folder 109 Kitamura Program. [includes 26 Black & White glossy photoprints of text]

Folder 110 Kitamura Program.

Folder 111 Kitamura Program.

Folder 112 Kitamura Program.

Folder 113 Kitamura Program.

Folder 114 Kitamura Program.

Folder 115	Kitamura Program.
Folder 116	VII. 9 Months anthropometrics.
Folder 117	VII. 9 Months Malformation & Death.
Folder 118	IX. Autopsy.
Folder 119	IX. Autopsy Data.[includes 1 Black & White glossy photograph]
Folder 120	XI. Cytogenetics.
Folder 121	XIII. Appendix Material Japanese & U.S. Hospitals.

### **Series VIII. ABCC and RERF**

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#### **RERF Misc. Correspondence**

##### **Box 1**

Folder 1 Otake, Masanori and Kato, Hiroo

Folder 2 Awa, Rusell

Folder 3 Choi, Mariyama

Folder 4 Joji, Kenji

Folder 5 BGS

#### **Consultants Correspondence 1**

Folder 6 Hiroshima

Folder 7 Fujiki, Norio[includes 5 B&W Glossy Photoprints]

Folder 8 Iuchi, I

Folder 9 Matsunaga, E.

Folder 10 Miwa, Shiro

Folder 11 RERF Correspondence 1986

#### **Consultants Correspondence 2**

Folder 12 Nakajima, Hiroshi  
Folder 13 Nishimoto, Yukio  
Folder 14 Shibata, Susumi  
Folder 15 Yanese, Toshiyuki

**Staff Correspondence 1**

Folder 16 Goriki, K.  
Folder 17 Kageoka, T.  
Folder 18 Kishimoto, S.

**Staff Correspondence 2**

Folder 19 Fujita, M.  
Folder 20 Fujikura, Y. 1979-  
Folder 21 Satoh, Chiyoko 1973-1981 (1)  
[includes:5 B&W glossy small photoprints, 2 b&w polaroid, 4 b&w glossy big photoprints, 1 b&w glossy photoprint;1 color polaroid, 2 b&w small glossy photoprint, 2 b&w matte photoprints, 2 color glossy photoprints, 3 color studio finish photoprints, 2 b&w glossy small photoprints, 3 color studio finish photoprints]  
Folder 22 Satoh, Chiyoko 1973-1981 (2)  
Folder 23 Satoh, Chiyoko 1973-1981 (3)  
Folder 24 Satoh, Chiyoko 1973-1981 (4)  
Folder 25 Satoh, Chiyoko 1973-1981 (5)  
Folder 26 Satoh, Chiyoko 1973-1981 (6)

**Box 1 con't**

Folder 27 Satoh, Chiyoko 1973-1981 (7)  
Folder 28 Satoh, Chiyoko 1973-1981 (8)

**Box 2**

Folder 29 Satoh, Chiyoko 1982-1989 (1)[includes 1 b&w glossy, small photoprint]  
Folder 30 Satoh, Chiyoko 1982-1989 (2)

Folder 31	Satoh, Chiyoko 1982-1989 (3)
Folder 32	Satoh, Chiyoko 1982-1989 (4)
Folder 33	Satoh, Chiyoko 1982-1989 (5)
Folder 34	Satoh, Chiyoko 1990- (1)
Folder 35	Satoh, Chiyoko 1990- (2)
Folder 36	Satoh, Chiyoko 1990- (3)
Folder 37	Takahashi, N. and Hazama, R.
Folder 38	Veda, N.
Folder 39	RERF Nagasaki
Folder 40	Yamamoto, N.
Folder 41	Otaki; Omae; Imada
Folder 42	Asakawa; Fujita
Folder 43	Hamilton 1970-1972 (1)
Folder 44	Hamilton 1970-1972 (2)
Folder 45	Hamilton 1970-1972 (3)
Folder 46	Hamilton 1970-1972 (4)

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Folder 47	Hamilton 1973-1974 (1)
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Folder 60	BGS-ABCC Protocol (1)
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Folder 63	BGS-ABCC Protocol (4)

Folder 64 BGS-ABCC Protocol (5)  
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Folder 66 BGS-ABCC Protocol (7)

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Folder 71 Memos Regarding BGS  
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Folder 75 New ABCC Budget (4)  
Folder 76 Policy on Rotation of Japanese (1)  
Folder 77 Policy on Rotation of Japanese (2)  
Folder 78 Policy on Rotation of Japanese (3)  
Folder 79 Horikawa Correspondence (1) [includes 1 color glossy photoprint]  
Folder 80 Horikawa Correspondence (2)  
Folder 81 Horikawa Correspondence (3)  
Folder 82 Horikawa -Ferrell [includes 2 b&w glossy small photoprints]

**Box 5**

Folder 83 AEC-BGS Proposal (1)  
Folder 84 AEC-BGS Proposal (2)  
Folder 85 AEC-BGS Proposal (3)  
Folder 86 AEC-BGS Proposal (4)  
Folder 87 AEC-BGS Proposal  
Folder 88 1975  
Folder 89 RERF-BGS- Rev. May 1979  
Folder 90 Prog. Presentation RERF Nov.,1975  
Folder 91 Genetics Program Review 1982  
Folder 92 Sci. Councillors & Dosimetry Nag. 1983  
Folder 93 Gen. Conf. + Sci. Directors March 1984

Folder 94 Sci. Councillors & Misc., Jan. Mar. 1985, [includes: 2 strips of negatives, 4 frames]  
Folder 95 Handler re ABCC (1)  
Folder 96 Handler re ABCC (2)  
Folder 97 Handler re ABCC (3)

**Box 6**

Folder 98 Eagle-NAS ABCC Review (1)  
Folder 99 Eagle-NAS ABCC Review (2)  
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Folder 110 U.S. Embassy-Tokyo  
Folder 111 Misc. Official (Mick) [M.E. Rappaport]  
Folder 112 Schull, W.J.  
Folder 113 Clifton-Priciotta-Boutwell-Thompson-Kagan  
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Folder 117 Edington- Thiessen  
Folder 118 Darling, G.B.  
Folder 119 Yamashita, H. + Tamaki + Shigematsu  
Folder 120 Abrahmson, S.  
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Folder 124	Finch, S.C. (1)
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Folder 128	Rappaport-Sperry-Russell

### **Series IX Manuscript**

#### **Box 1**

Item	Physician to the Gene Pool by James V. Neel (Photocopy of typescript) Donated by William J. Schull, Ph. D, Jan. 1994
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