

**Edward G. Ramberg Papers**  
**1916-1994**  
**Mss.Ms.Coll.88**

American Philosophical Society  
2003  
105 South Fifth Street  
Philadelphia, PA, 19106  
215-440-3400  
[manuscripts@amphilsoc.org](mailto:manuscripts@amphilsoc.org)

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## Summary Information

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<b>Repository</b>	American Philosophical Society
<b>Creator</b>	Ramberg, E. G., (Edward Granville), 1907-
<b>Title</b>	Edward G. Ramberg Papers
<b>Date [inclusive]</b>	1916-1994
<b>Call number</b>	Mss.Ms.Coll.88
<b>Extent</b>	11.5 Linear feet
<b>Location</b>	LH-SB-12-2
<b>Language</b>	English
<b>Abstract</b>	<p>A physicist and social activist, Edward G. Ramberg contributed to the early development of electron microscopy and color television, and devoted much of his life to pacifist and Quaker causes. Born in Italy to an American mother and German father, Ramberg experienced the losses of war firsthand during the First World War when his father was killed while serving with the German army. After moving to the United States with his mother, Ramberg attended Reed College and Cornell University before returning to Germany for postdoctoral study under Arnold Sommerfeld. Employed at RCA for most of his career (1935-1972), Ramberg refused any involvement in military or war-related research, and as a conscientious objector during the Second World War, was assigned to duty in Civilian Public Service camps. He continued to work in fostering social harmony until late in life. With his wife, Sarah Sargent, a Swarthmore graduate whom he met through the American Friends Service Committee, Ramberg helped to establish Bryn Gweled, a</p>

cooperative community in which people of various religious, social, and racial backgrounds lived and worked together.

The bulk of the Ramberg papers consists of files pertaining to his work with Amnesty International, the American Friends Service Committee, and peace groups in the Philadelphia and Bucks County region. Of particular note is a bundle of correspondence with Sommerfeld.

**Preferred Citation**

Cite as: E. G. Ramberg Papers, American Philosophical Society.

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## Background note

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A physicist and social activist, Edward Granville Ramberg was born in Florence, Italy, on June 14, 1907, to an American mother and German. Lucy (Dodd), an artist, and Walter, a philologist, surrounded their children Walter, Edward, and Lucy with art and culture, raising them in a rare cosmopolitan atmosphere in which they spoke French, German, Italian, and English. But Edward's life changed abruptly at seven, when his father was killed while serving with the German army.

After moving to Munich for the duration of the war, the Rambergs returned to Lucy's family home in Portland, Oregon, in 1920, graduating from Lincoln High two years later. An excellent student with a marked ability in quantitative sciences, Ramberg's collegiate career was nevertheless marked by several interruptions. Although he enrolled at Reed College in 1922, he transferred to Cornell two years later, taking a hiatus from 1925-1927 to work in optical computation at Bausch and Lomb Optical Company. He decided to remain at Cornell after receiving his bachelor's degree in 1928 to work with F. K. Richtmyer, with whom he continued to collaborate throughout the 1930s.

In 1930, Ramberg went to Germany to sharpen his skills, receiving a doctorate under Arnold Sommerfeld at the University of Munich for "Doppelsprünge im Röntgenspektrum: Die Deutung Der Satelliten K # 3, 4" (1932). Although he returned to Cornell in 1932, continuing work on the theory of x-ray satellites and line widths, Ramberg soon moved to industry, joining RCA laboratories in Camden, New Jersey in 1935. As a junior engineer, he took part in both experimental and theoretical work on secondary emission, pickup tubes, and field emission, and later played a significant role in the development of the theory of thermoelectric refrigeration and image tube aberrations and in demonstrating the mathematical operability of a multistage electrostatic electron multiplier. Perhaps most famously, Ramberg, an expert in electron optics, took part in two particularly prominent projects: the development of color television in the late 1930s, and the construction of one of the first electron microscopes in the mid-1940s. He remained at RCA until 1972, when he retired with twenty-five patents to his credit.

Outside of RCA, Ramberg was a visiting professor in physics at the University of Munich in 1949 and was a Fulbright lecturer at the Technischehochschule in Darmstadt, Germany in 1960-1961. In 1964, he was awarded the David Sarnoff Outstanding Team Award in Science from RCA, and the David Sarnoff Award (co-sponsored by RCA and the IEEE) in 1972 for his work on electron optics, electron physics, and television. In addition to awards connected to RCA, Ramberg was made a Fellow of the American Physical Society in 1957, and received the Karl Ferdinand Braun Prize from the Society for Information Display in 1989. Ramberg was a member of the Electron Microscope Society of America, the American Association of Physics Teachers, the Society of Sigma XI, and the American Association for the Advancement of Science, and was made a Fellow of the Institute of Radio Engineers and the American Physical Society. He and Richtmyer received a research grant from the American Philosophical Society in 1935.

Although not a highly prolific author, Ramberg published five books during his career, four in collaboration with colleagues at RCA. He teamed with Viktor Zworykin, George Morton, and two other colleagues on an important early work in electron microscopy, *Electron Optics and the Electron Microscope* (N.Y., 1945), and he and Zworykin paired up again on *Photoelectricity and its Application*

(1949) and *Television in Science and Industry* (1958). His final book was, written with A. M. Morell and H. B. Law, *Color Television Picture Tubes*, appeared in 1974. Ramberg also translated Arnold Sommerfeld's book *Electrodynamics: Lectures on Theoretical Physics*, vol. 3 (1952).

Building on the bitter early experience of losing his father in World War I, Ramberg became a committed pacifist and, after 1938, a devout member of the Society of Friends. With the outbreak of the Second World War, the federal government called upon Ramberg to continue work he had done on the metal structure of the electron microscope in order to make stronger shell casings, but he refused to participate. Claiming conscientious objector status, he refused all participation in the military and was assigned to Civilian Public Service. From 1943 to 1946, he was employed as an aide at a psychiatric facility in New Hampshire, in draining land in Maryland, and at Haskins Laboratory in New York City, where he worked on electronic aids for the blind. After his return to RCA in 1946, Ramberg devoted himself even more fervently to social reform and peace concerns. He was a founding member of the Society for Social Responsibility in Science (SSRS) in 1948, holding several positions with the organization through the years, including serving as president from 1958-1960. Still conscientiously abstaining from work on any project that contributed to warfare, he and his fellow members of the SSRS actively supported fellow conscientious scientists.

Ramberg married Sarah Sargent Ramberg on December 26, 1936. A graduate of Swarthmore College, Sarah had been working with the American Friends Service Committee when the couple met and broadly shared her husband's utopian values. She was deeply involved in the SSRS and was the editor of its Newsletter, and both she and her husband remained active in their Friends Meeting and in organizations such as Amnesty International. The Rambergs were one of thirteen families that founded Bryn Gweled in Upper Southampton Township, Bucks County, Pa., in 1941, a community designed to have equal positions for all of its members, regardless of race or gender. In a 1983 article in the *Philadelphia Inquirer*, Ramberg, still living at Bryn Gweled, was quoted as saying that they wanted "to have a place where families could bring their children and could live together in a group, a varied group, where they would learn there was more than one type of person in the world, more than one religion, more than one ethnic group and more than one economic group." He added, "I think that it has worked out... I think the basic idea of a cooperative has worked pretty well."

An untiring activist, Ramberg and his wife worked as draft counselors from 1968 to 1972 and traveled regularly to Washington, D.C., to protest the Vietnam War. For two years they took care of a foster daughter from Vietnam who was receiving medical treatments for phosphorous burns. During the 1970s, Ramberg worked at the Philadelphia Airport teaching minorities how to be qualified for positions as maintenance workers, and was deeply involved with the Friends Peace Committee of the Philadelphia Yearly Meeting, the Peace and Service Committee and the Committee on the United Nations of the Bucks Quarterly Meeting, and other Quaker organizations. He was one of the founding members of the Bucks County Group of Amnesty International in 1975. Politically, he was a Socialist from his days in college until 1972, when he and his wife became disenchanted with the party.

Sarah Ramberg died in May 1975 after a two year struggle with cancer. Edward Ramberg died on January 9, 1995.

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## Scope & content

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The Ramberg Papers contain 11.5 linear feet of correspondence, publications, and other materials that document the life of the physicist and peace activist, Edward G. Ramberg. Although the collection includes some correspondence and diaries from Ramberg's student days working under Arnold Sommerfeld in Munich, and some manuscript and printed materials relating to his research on electron microscopy and television at RCA in the 1930s-1940s, the heart of the collection is Ramberg's decades long concern with peace and social justice. In addition to some interesting materials relating to the Society of Friends, Ramberg kept files documenting his activities in the Society for Social Responsibility in Science (1948-1972) and in the Bucks County (Pa.) branch of Amnesty International.

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Series I. Correspondence	1920-1994	1.0 linear feet
Series II. Personal	1916-1991	1.0 linear feet
Series III. RCA	1927-1973	3.5 linear feet
Series IV. SSRS (Society for Social Responsibility in Science)	1947-1974	0.5 linear feet
Series V. Peace concerns	1961-1994	1.5 linear feet
Series VI. Amnesty International	1975-1993	4.0 linear feet

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## Administrative Information

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### Publication Information

American Philosophical Society 2003

## Provenance

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### Acquisition Information

The collection was donated to the APS by the Ramberg family in 1996.

### Processing Information

Catalogued by Robin Elliot, August 2004. Initial sorting of the Ramberg Papers was performed at Ramberg's home, and personal and local materials were removed by his nephew Mario Cappecci, Theodor Benfrey, and Maria Peters.

## Related Materials

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### Related Material

The Printed Materials Department at the APS has the following titles by Ramberg:

Sommerfeld, A., *Electrodynamics: Lectures on theoretical physics*, vol. 3. trans. by Edward G. Ramberg. (NY: Academic Press, 1952). **Call no.:** 537.6 so5e.Zworykin, V.K., George Ashmun Morton, Edward G. Ramberg, James Hillier, and A. W. Vance, *Electron Optics and the Electron Microscope* (N.Y.: Wiley, 1945). **Call no.:** 578.1z9e Other collections related to the Ramberg Papers include the Victor Paschkis Papers located at Swarthmore College and the Theodor Benfrey Papers at Haverford College. Paschkis and Benfrey were involved with the Society for Social Responsibility in Science.

## Indexing Terms

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### Corporate Name(s)

- Amnesty International. Bucks County (Pa.) Group
- Amnesty International



- RCA Corporation
- Society for Social Responsibility in Science (ACT).

### **Genre(s)**

- Photographs

### **Personal Name(s)**

- Bopp, Friedrich Arnold, 1909–1987
- Morton, George Ashmun, 1903-
- Ramberg, Sarah Sargent
- Ramberg, Walter, d. 1914
- Richtmyer, F. K., (Floyd Karker), 1881-1939
- Scherzer, Otto
- Sommerfeld, Arnold, 1868-1951
- Vance, A. W.
- Zworykin, V. K. , (Vladimir Kosma), 1889-1982

### **Subject(s)**

- Electron microscopy
- Electron optics
- Holography
- Optics
- Peace
- Physics
- Quakers--Pennsylvania
- Society of Friends
- Television
- Thermoelectricity
- Vietnamese Conflict, 1961-1975

## Series I. Correspondence

## Collection Inventory

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Series I. Correspondence	1916-1958	1.0 Linear feet
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Ramberg's correspondence contains both outgoing and incoming letters with colleagues, friends, and family members. The most important letters may be those with Arnold Sommerfeld and his wife, written from the 1930s into the 1950s, but there are others from colleagues such as F. K. Richtmyer and V. K. Zworykin. The letters to family and friends are engaging, providing great insight into Ramberg's social views and reactions to current events. The most voluminous writers are his sister in law Maud Sargent, his brother Walter, and Walter's children Walter Dodd, Jenny, and Lucy, "Mirjam and Bele," and his friends the Scherzers. Otto Scherzer wrote in 1933 that the horror stories about Hitler were all propaganda. The slight majority of letters are written in German.

Correspondence associated with Ramberg's research at RCA is located in Series III. A substantial quantity of correspondence with Ramberg's publisher, John Wiley and Sons, documents editorial changes and financial agreements for Ramberg's books. There is also some material relating to his travels in Europe as a Fulbright lecturer in Germany in 1960, including letters to and from colleagues in America and Europe.

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Abeles, Benjamin	1979	2 items	Box 1
Academic Work in Germany	1949	5 items	Box 1
Aldred, Carol Ann	1971, 1973	3 items	Box 1
Alphonse, Gerald A.	1973	1 item	Box 1
American Association of Physics Teachers	1972	2 items	Box 1
American Institute of Physics	1951	1 item	Box 1
American Physical Society	1957	1 item	Box 1
Barnes, J.S.	1965	1 item	Box 1
Barrow, Bruce B.	1973	1 item	Box 1

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## Series I. Correspondence

Bass, Leon	1970	1 item	Box 1
Bela, Ramon	1961	2 items	Box 1
Bethe Hans	1967	1 item	Box 1
Books for Asian Students	1972	5 items	Box 1
Bopp, Fritz [Friedrich Arnold] German	1950-1967	7 items	Box 1
Bruche, E. German	1947-1967	11 items	Box 1
Bucks County (Pa.). Draft Counseling Service	1971, 1972	4 items	Box 1
Burgess, Alex M.	1945	1 item	Box 1
Burnay, G.(?)	1961	4 items	Box 1
Burns, John L.	1961	1item	Box 1
Byczkowski, Marie	1972	6 items	Box 1
Bye, Mary	1973, 1979	3 items	Box 1
Cappecchi, Mario	1967-1989	8 items	Box 1
Chapman, R. Dabney	1961	6 items	Box 1
Clark, Robert	1969	1 item	Box 1
Cleef, Georgette	1961	4 item	Box 1
Cohen, Peter G.	1968	1 item	Box 1
Cohen, R.W.	1972	1 item	Box 1
Coughenour, John F., Jr.	n.d.	1 item	Box 1

## Series I. Correspondence

Couthomel, Don	1980	1 item	Box 1
DeBono, Roselle	1952	3 items	Box 1
Deflandre, Mrs. Andre	1961	6 items	Box 1
Dosse, J.(?)	1961	4 items	Box 1
Dow Corning Corporation	1949	1 item	Box 1
Electron Optics and the Electron Microscope	1946	3 items	Box 1
John Wiley and Sons, publisher			
Engler, Peter E.	1972, 1973	4 items	Box 1
Engstrom, E.W.	1954	1 item	Box 1
Engstrom, Ralph, W.	1978	1 item	Box 1
Eschbach, Franz	1960, 1961	2 items	Box 1
Espinoza, J. Manuel	1960	1 item	Box 1
Federation of American Scientists	1994	1 item	Box 1
Fernandez-Moran, H. (?)	1972, 1973	3 items	Box 1
Fink, Donald G.	1971, 1973	2 items	Box 1
Re. David Sarnoff Award			
Flory, Leslie E.	1961	3 items	Box 1
Freson, M.(?)	1961	2 items	Box 1
Gabor, Dennis	1971	1 item	Box 1
Gaegar, Erik	n.d.	1 item	Box 1
Geheimrat, (?)	1933-1951	21 items	Box 1

## Series I. Correspondence

## German

Gernert, Paul G.	1965	1 item	Box 1
Goldsmith, Alfred N.	1953, 1960	2 items	Box 1
Gorlich, P.(?)	1961	1 item	Box 1
German			
Gory, Adrian E.	1945	2 items	Box 1
Gunther, Norbert	1950, 1953, 1957	6 items	Box 1
German			
Guth, W (?)	1961	2 items	Box 1
Hadlock, W.O.	1972	2 items	Box 1
Hannan, William J.	1972	1 item	Box 1
Harrah, James O.	1972	1 item	Box 1
Hayward, Herbert L.	1971	2 items	Box 1
Heinlin, Lore	1952	2 items	Box 1
Heinz, H. John	1987	2 items	Box 1
Herold, E. W.	1972, 1973	3 items	Box 1
Hersfeld, Karl F.	1948	1 item	Box 1
Hess, H(?)	1961	2 items	Box 1
Hillier, James	1960-1961, 1972	5 items	Box 1
Hillstatts, R (?)	1932	1 item	Box 1
Hinterman, Eugen	1950	4 items	Box 1

## Series I. Correspondence

Hirsch, F.R.	1943	1 item	Box 1
[Howard], Adolf	n.d.	1 item	Box 1
German			
Hume, Edgar Erskine	1949	3 items	Box 1
Iceland Trip	1973	2 items	Box 1
Irlbeck, Dennis H.	1980	1 item	Box 1
Jackson, Larry A.	1976, 1977	8 items	Box 1
Re. Munich Reunion			
Jacobson, Sol A.	1988	2 items	Box 1
Jacoby, Kurt	1952-1953	8 items	Box 1
Japan International Christian University	1955	1 item	Box 1
[Jodlbauer, Kurt]	n.d.	1 item	Box 1
German			
Johnson, Walter J.	1955	1 item	Box 1
Kanaya, K(?)	1962	1 item	Box 1
Karah, August El B.	1972, 1973	2 items	Box 1
Kennard, E.H.	1932	1 item	Box 1
Kennedy, David P.	1972	2 items	Box 1
Kennedy, John F.	1961	2 items	Box 1
Letters to JFK			
Khanamirian, A.K.	1949	3 items	Box 1
Kinder, E(?)	1948, 1949	2 items	Box 1

## Series I. Correspondence

German			
Klasen, Wilhelm	1969	1 item	Box 1
German			
Kluge, Werner	1961	2 items	Box 1
German			
Klugman, Ted	1986	1 item	Box 1
Knoll, Max	1948, 1961	8 items	Box 1
German and English			
Kooser, Ernst O.	1950	1 item	Box 1
Korus, Gunter	1951-1952	13 items	Box 1
German and English			
Kotasek, Frank, Jr.	1973	1 item	Box 1
Kuhlman, (?)	1948	1 item	Box 1
German			
Kunze, Helmut	1961	1 item	Box 1
German			
Lalitha, P.(?)	1972	2 items	Box 1
Law, Harold B.	1960-1976	18 items	Box 1
Lerew, Henry	1950	1 item	Box 1
Leverenz, T.W.	1961	1 item	Box 1
Lindsay, R.B.	1946	2 items	Box 1

## Series I. Correspondence

Maddock, J. Kenneth	1946, 1947	7 items	Box 2
John Wiley and Sons			
Mann, Paul August	1950, 1951	4 items	Box 2
German			
Marcussen, John	1961	2 items	Box 2
Marton, L [Bill?]	1947, 1973	5 items	Box 2
Marx, Helmut	1949, 1950	2 items	Box 2
German			
Maucher, A (?)	1947-1950	3 items	Box 2
German			
McClelland, David	1945	2 items	Box 2
Meade, Mary	1971, 1972	4 items	Box 2
Medical Aid for Indochina, Inc.	1972	1 item	Box 2
Menzel, Erich	1972	1 item	Box 2
Merat, Parviz	1953	1 item	Box 2
Merck, Emanuel W.	1961	1 item	Box 2
German			
Metz, (?)	n.d.	1 item	Box 2
German			
Miller, Franklin	1953-1967	9 items	Box 2
Miller, Lidie	1972	1 item	Box 2
Millikan, Robert	1950	2 items	Box 2



## Series I. Correspondence

Mirjam and Bele (?)	1959-1973	13 items	Box 2
German			
Mishkin, William	1963	4 items	Box 2
Moritz, E.(?)	1950	1 item	Box 2
Moroni, Giovanni	1950, 1953	2 items	Box 2
Italian			
Mueller, Friedrich	1920-1929	40 items	Box 2
German			
Muller, (?)	1921-1934	6 items	Box 2
German			
Muller, Elizabeth	1952-1960	18 items	Box 2
German			
Muller, Henning	1965	1 item	Box 2
German			
O'Brien, John A.	1960	1 item	Box 2
Ogden, R.M.	1925	1 item	Box 2
Cornell University Dean			
Oppelt, Ing W.	1960	1 item	Box 2
German			
Optical Society of America	1926	1 item	Box 2
Membership offer			
Patchkis, Victor and Lucy	1972-1987	5 items	Box 2

## Series I. Correspondence

Perlow, Gilbert J.	1972	2 items	Box 2
Peters, Theodore J.	1968, 1970	2 items	Box 2
Peterson, Charles	1987	1 item	Box 2
Piore, E.R.	1971	1 item	Box 2
Purdie, Arnold	1973	2 items	Box 2
Ramberg, Edward G.	1972-1973	6 items	Box 2
Ramberg, Sarah Sargent	1949-1961	7 items	Box 2
Ramberg, Walter	1952-1979	13 items	Box 2
Ramberg, Walter Dodd, Jenny, and Lucy	1967, 1968	4 items	Box 2
Rheinfelder, (?) German	1949	1 item	Box 2
Rhoads, Ann	1967	1 item	Box 2
Richtmeyer, F.K.	1928-1937	7 items	Box 2
Ringreisen, Josef German	n.d.	1 item	Box 2
Romberg, Werner German and English	1949, 1961	15 items	Box 2
Rose, Albert	1975	1 item	Box 2
Saenger, Werner	1949	1 item	Box 2
Salber, Mena German	1933, 1935	3 items	Box 2
Sall, Chester W.	1972	1 item	Box 2

## Series I. Correspondence

Sargent, Maud	1952-1988	3 items	Box 2
Schaeffer, T.W.	1947	4 items	Box 2
Schantz, Faith	1970	1 item	Box 2
Scherzer, Elizabeth	1946, 1947	3 items	Box 2
German			
Scherzer, Hanne	1950	1 item	Box 2
German			
Scherzer, Otto	1933-1965	58 items	Box 2
German			
Scherzer, Ursula	1950	1 item	Box 2
German and English			
Schimpf, Georg Wolfgang	1960	1 item	Box 2
Schnabel, Herbert	1968	1 item	Box 2
Schroter, Manfred	1947-1949	5 items	Box 2
German,			
Schwarz, Gunther	1960	1 item	Box 2
German			
Sears, Roebuck, and Company	1952	1 item	Box 2
Seiler, H.(?)	1971	1 item	Box 2
Selmayr, Karl	1934-1949	7 items	Box 2
German			
Shatzkin, Eleanor	1972	1 item	Box 2

## Series I. Correspondence

Simmons, L.N.	1927	1 item	Box 2
Appointment for assistant in physics department at Cornell			
Smith, Lloyd P.	1948, 1950	3 items	Box 2
Socialist Party, USA	1970, 1972	2 items	Box 2
Society of Brothers, Inc.	1968	1 item	Box 2
Sommer, Al	1961	2 items	Box 2
Sommerfeld, Arnold	1933-1950	3 items	Box 2
German			
Sommerfeld, Ernst	1951	1 item	Box 2
German			
Sommerfeld, Johanna	1951, 1953	5 items	Box 2
Bibliographical material on A.S. German			
Souci, S.W.	1950	1 item	Box 2
German			
Spicer, William F.	1961	1 item	Box 2
Stoger, Peter A.	1947	1 item	Box 2
German			
Stumacher, Eric	1966	2 items	Box 2
Sullivan, Warren	1951	1 item	Box 2
Szymanski, Lucy Ramberg	1969	3 items	Box 2
Triest, Rudolf M.	1944	9 items	Box 2
John Wiley and Sons			

## Series I. Correspondence

Uncle Caspar and Aunt Resel(?) German	1933-1936	14 items	Box 2
United World Federalists	1966		Box 2
Villesmer, G. (?) German	1920	1 item	Box 2
Volkman, H.(?) German	1961	5 items	Box 2
Webster, W. (?)	1973	1 item	Box 2
Westover, J. Huston	1957	2 items	Box 2
Wilson, E.W.	1946	2 items	Box 2
Wolf, Franz German	1961	4 items	Box 2
Zworykin, V.K.	1935-1973	9 items	Box 2
Unknown		26 items	Box 2
Unknown-Family German		32 items	Box 2

## Series II. Personal

**Series II. Personal****1916-1991****1.0 Linear  
feet**

The bulk of Series II consists of notes, essays, and documents relating to Ramberg's education, with the most important item being a set of notes he kept in Sommerfeld's class in Munich in 1930. There is little of a truly personal nature, with the exception of a few letters to his nephew Mario Cappecchi, a scientist, and a small amount of bibliographic material on Cappecchi.

One item of particular interest is a photo album from the period that Ramberg was performing alternative service as a conscientious objector during the Second World War as a staff member at a New Hampshire psychiatric facility. This album includes pictures of workers and their wives with a list of their names and addresses, and is accompanied by some correspondence about changing his status and work. The remainder of the series consists of student identification cards, passports, school papers from Ramberg and his wife, academic material from his time as a graduate student in Germany, and a copy of his dissertation.

<b>Cappecchi, Mario</b>	1960	Box 3
George School Commencement		
Cornell University	1930	Box 3
Cornell University-Academic Reports	1930	Box 3
Cornell University --School Report	1930	Box 3
<b>Democratic Party</b>	1984	Box 3
Certificate of Appreciation		
<b>Democratic Party</b>	1984	Box 3
Certificate of Recognition		
Fulbright	1960-1961	Box 3
Photograph Book	1944?	Box 3
New Hampshire Psychiatric Facility		
<b>Ramberg, E. G., (Edward Granville), 1907-</b>		Box 3

## Series II. Personal

## Biographical Information

<b>Ramberg, E. G., (Edward Granville), 1907-</b> Class Notes German	1930-1931	3 items	Box 3
<b>Ramberg, E. G., (Edward Granville), 1907-</b> Class Notes German	1931		Box 3
<b>Ramberg, E. G., (Edward Granville), 1907-</b> Class Notes -- A. Sommerfeld German	1930		Box 3
<b>Ramberg, E. G., (Edward Granville), 1907-</b> Clippings	n.d.		Box 3
<b>Ramberg, E. G., (Edward Granville), 1907-</b> Diaries German and English	1925		Box 4
<b>Ramberg, E. G., (Edward Granville), 1907-</b> Diaries	1927, 1930, 1934	6 items	Box 4
<b>Ramberg, E. G., (Edward Granville), 1907-</b> Doppelsprunge im Rüntgenspektrum: Die Deutung Der Satelliten Koc 3, 4 (Dissertation, University of Munich)	1932		Box 4

## Series II. Personal

## German

<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Driver's License	1991		Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> High School Report Card	1920-1922	1 item	Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Inventory of Ramberg Villa  Original August 1920, Duplicate October, 1929	1920, 1929		Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> K Theresien Gymnasium München -- School Reports	1916-1918		Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Lecture at the Norwegian Institute of Technology, Trondheim, Norway	1961		Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Lincoln High School report card	1921, 1922	4 items	Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Memorandum book	1928		Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b>	1944		Box 4



## Series II. Personal

National Service Board for Religious  
Objectors

Grant to leave

<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Notes and articles  German and English	1928-1934		Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> "Philosophy and Philosophers"	1957		Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Philosophy paper	1928		Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Photographs			Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Reed College transcript	n.d.	2 items	Box 4
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<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Student identification	1930/1931		Box 4
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> World War II and Religious Objectors	1942-1943		Box 4

Series II. Personal

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<b>Ramberg, Lucy</b> Passport	1920	1 item	Box 4
<b>Ramberg, Sarah Sargent</b> School records	1924, 1925		Box 4
Society of the Sigma Xi. Cornell University Chapter	1930	2 items	Box 4
<b>Technische Hochschule Darmstadt</b>	1960-1961		Box 4

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The RCA series consists of notes and articles on Ramberg's research, including a substantial number of reprints by Ramberg and his colleagues at RCA relating to his work in electron optics, kinescopes, metallurgy, and other scientific fields, and copies of two of his books. Among the correspondents and authors in Series III are V. K. Zworykin, James Hillier, A. W. Vance, George A. Morton, and Arnold Sommerfeld. A few of the articles were actually written by Ramberg prior to his employment at RCA, although he included them in his RCA files.

Of some note in the Series is the copy of an interview with Ramberg on his retirement from RCA in 1972, in which Ramberg reflects on his career and his thoughts on science and social responsibility. There are also miscellaneous research notes on electron optics and other topics, mementoes from annual RCA dinners during the late 1950s. Also worthy of note are materials relating to a lawsuit that Ramberg joined, in which 186 plaintiffs from 22 countries attempted to sue the U.S. and USSR to limit the proliferation of nuclear weapons. There is correspondence from Francis Heisler and Ralph B. Atkinson, attorneys in the case, and a brief history of the suit from its beginnings with Linus Pauling in 1958.

**Abeles, Benjamin**

1959

Box 5

"Thermal Conductivity of Geranium in the Temperature Range 300-1080 K" *Journal Physical Chem Solids* 8, 340-343.

**Adams, G. F.**

1960

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**American Association of Engineering Societies.**

n.d.

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*Who's Who in Engineering*

**Archard, G.D.**

1954

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"Potential Distribution of Symmetrical Cylindrical Electron Lenses" *British Journal of Applied Physics* 5: 179-181.

**Bechert, Karl, 1901-1981**

n.d.

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"Unsere Verantwortung im Atomzeitalter," Halbmonatsschrift Stimme der Gemeinde.

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<b>Cohen, R.W. and I. Gorog</b>	1973	Box 5
"Visual Capacity An Image Quality Descriptor for Display Evaluation" RCA Company Private <i>Technical Report</i> , 1-35.		
<b>Electron Microscope Society of America.</b>	n.d.	Box 5
Membership		
<b>Enstrom, Elmer W.</b>	1961	Box 5
David Sarnoff Award		
<b>Briggs, J. A. Epstein, D.W. Kraus, P. E. Ramberg, E. G., (Edward Granville), 1907-</b>	1958	Box 5
"Lenses for Effecting An Apparent Lateral Displacement of An Axial Object Point as Function of the Inclination of the Imaging Rays: Optical Simulation of Degrouping in Color Kinescopes" RCA Laboratories <i>Technical Report: PTR-807: 1-30.</i>		
<b>Genon, R. Musson</b>	1937	Box 5
<b>Glenn, William E.</b>	1958	Box 5
"New Color Projection System" <i>Journal of the Optical Society of America</i> . 48, no. 11, Incomplete.		
<b>Douglas, R.W. Goldsmid, H.J.</b>	1954	Box 5
"The Use of Semiconductors in Thermoelectric Refrigeration" <i>British Journal of Applied Physics</i> , 386-390.		
<b>Good, William E.</b>	n.d.	Box 5

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<b>Good, William E.</b>	1970	Box 5
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<b>Good, William E. True, Thomas T.</b>	1969	Box 5
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<b>Gorlich, P.</b>	1959	Box 5
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<b>Grumm, H.</b>	1954	Box 5
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<b>Hillier, James Ramberg, E. G., (Edward Granville), 1907-</b>	1950	Box 5
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<b>Hillier, James Ramberg, E. G., (Edward Granville), 1907-</b>	1947	Box 5
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<b>Hillier, James Ramberg, E. G., (Edward Granville), 1907-</b>	1943	Box 5
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<b>Baker, Richard F. Hillier, James</b>	1944	Box 5
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<b>Hora, H.</b>	1960	Box 5
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<b>Frischmuth-Hoffman, G. Gorlich, P. Hora, H.</b>	1960	Box 5

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<b>Institute of Radio Engineers</b>	1955	Box 5
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<b>Joffe, Abram F.</b>	1958	Box 5
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<b>Kamakutsu, Hisazo Kanaya, Koichi Okazaki, Ikio Takizawa, Tadao</b>	1963		Box 5
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<b>Kennard, E. H., (Earle Hesse), 1885-1968 Ramberg, E. G., (Edward Granville), 1907-</b>	1934		Box 5
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<b>Kiepenheuer, K.O.</b>	n.d.		Box 5
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<b>Pearsall, Anna W.</b>	1934	Box 6
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<b>Pauling, Linus, 1901-1994 Podolsky, Boris</b>	1929	Box 6
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<b>Pritchard, Dalton H.</b>	1965	Box 6
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<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> The Atomic Age Review	n.d.	Box 6
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<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Electron Optics -- Aberration, Four Poles	n.d.	Box 6
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<b>Ramberg, Walter, d. 1914</b> "Über den Mechanismus des elektrischen Lichtbogens" <i>Annalen der Physik</i> 5 folge Bd. 12: 319-352.  German	1932	Box 8
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**Barnes, S.W. Richtmyer, F. K., (Floyd Karker), 1881-1939** 1934 Box 8

"The Natural Widths of the K-Series of W (74)" *Physical Review* 46, No. 5: 352-356.

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**Barnes, S.W. Ramberg, E. G., (Edward Granville), 1907- Richtmyer, F. K., (Floyd Karker), 1881-1939** 1934 Box 8

"Widths of the L-Series Lines" *Physical Review* 46, No. 10: 843-860.

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**Hirsh, F.R. , Jr. Richtmyer, F. K., (Floyd Karker), 1881-1939** 1933 Box 8

"A Device for Reducing Grain Effects in Microphotometer Records" *Review of Scientific Instruments* 4, No. 6: 353-354.

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**Kaufman, Sidney Richtmyer, F. K., (Floyd Karker), 1881-1939** 1933 Box 8

## Series III. RCA

"X-Ray Satellites of High Atomic Number Elements" *Physical Review* 44, No. 8: 605-609.

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**Ramberg, E. G., (Edward Granville),** 1937 Box 8  
**1907- Richtmyer, F. K., (Floyd Karker),**  
**1881-1939**

"Satellite Structure of Lx and LB2 of AU (79)" *Physical Review* 51, No. 11: 925-929.

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**Richtmyer, F. K., (Floyd Karker),** 1929 Box 8  
**1881-1939 Richtmyer, R. D.**

"Satellites of the X-Ray Lines La, LB and LB2" *Physical Review* 34, No. 4: 574-581.

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**Abeles, Benjamin Jensen, R.V. Rosi, F.D.** 1959 Box 8  
 "Materials for Thermoelectric Refrigeration"  
*Journal of the Physics and Chemistry of Solids* 10, Nos. 2/3, 191-200.

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**Gibbs, R.C., (Roswell Clifton), b.** 1934 Box 8  
**1878 Ruedy, J.E.**

"The Arc Spectrum of Selenium" *Physical Review* 46, No. 10: 880-888.

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**Sarnoff, David O. Schairer, Otto S.** 1941 Box 8  
 RCA Laboratories: A New Center for Radio Research

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**Ramberg, E. G., (Edward Granville),** 1962 Box 8  
**1907- Schlesinger, K.**

"Beam-Deflection and Photo Devices"  
*Proceedings of the IRE 50th Anniversary Issue*: 991-1005.

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**Sommer, Alfred** 1956 Box 8

## Series III. RCA

"Multi-Alkali Photo Cathodes" *IRE Transactions of the Professional Group on Nuclear Science*, NS-3, No. 4: 1955-1959.

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<b>Sommerfeld, Arnold, 1868-1951</b>	n.d.	Box 8
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"Ansprache anlässlich der Verheilung der Planck-Medaille an Peter Debye"  
*Physikalische Blatter* Jahrgang 6 Heft 11: 509-512.

German

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<b>Sommerfeld, Arnold, 1868-1951</b>	1936	Box 8
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"Concerning the Shape of the Compton Lines" *Physical Review* 59: 38-40.

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<b>Sommerfeld, Arnold, 1868-1951</b>	1932	Box 8
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"Integrazione asintotica dell'equazione differenziale di Thomas-Fermi" *Rendiconti Della R. Accademia Nazionale Dei Lincei* 15, 6, 788-792.

Italian

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<b>Sommerfeld, Arnold, 1868-1951</b>	1950	Box 8
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"Philosophie und Physick Seit 1900"  
*Natureissenschaftlichen Rundschau* Heft 3: 97-100.

German

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<b>Sommerfeld, Arnold, 1868-1951</b>	n.d.	Box 8
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"Das Reziprozitäts-Theorem der drahtlosen Telegraphic"

German

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<b>Sommerfeld, Arnold, 1868-1951</b>	n.d.	Box 8
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## Series III. RCA

"Sur quelques problèmes de mécanique  
ondulatoire"

French

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<b>Sommerfeld, Arnold, 1868-1951</b>	n.d.	Box 8
"Über den Packungseffekt"		

German

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<b>Sommerfeld, Arnold, 1868-1951</b>	1930	Box 8
"Über die Hauptschnitte eines Polydimensionalen Würfels" <i>Bulletin of the Calcutta Mathematical Society</i> 20, 221-226.		

German

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<b>Sommerfeld, Arnold, 1868-1951</b>	1936	Box 8
"Über die Klein'schen Parameter $\alpha, \beta, \gamma, \delta$ und ihre Bedeutung durch die Dirac-Theorie"		

German

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<b>Sommerfeld, Arnold, 1868-1951</b>	1937	Box 8
"X-Ray Spectroscopy and Atomic Structure" <i>Current Science Special Number on "Laue Diagrams":</i> 16-19.		

German

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<b>Bopp, Friedrich Arnold, 1909–</b>	1950	Box 8
<b>1987 Sommerfeld, Arnold, 1868-1951</b>		
"Zum Problem der Maxwell'schen Spannungen" <i>Annalen der Physik</i> 6 Folge, Bd 8 Heft 1-2: 41-54.		

German

## Series III. RCA

<b>Frank, N.H. Sommerfeld, Arnold,</b> <b>1868-1951</b>	1931	Box 8
"Statistical Theory of Thermoelctric, Galvano- And Thermomagnetic Phenomena in Metals" <i>Reviews of Modern Physics</i> , 3, No. 1: 1-42.		
<b>Scherzer, Otto Sommerfeld, Arnold,</b> <b>1868-1951</b>	1935	Box 8
"Über das Elektronenmikroskop" <i>Zeiss- Nachrichten</i> Heft 9: 1-6.		
German		
<b>Schur, G. Sommerfeld, Arnold, 1868-1951</b>	1930	Box 8
"Über den Photoeffekt in der K-Schale der Atome, insbesondre über die Voreilung der Photoelektron" <i>Annalen der Physik</i> 5 Folge Bd 4, Nr. 4: 409-449.		
German		
<b>Sommer, Alfred Spicer, W.E. White, J.G.</b>	1959	Box 8
"Studies of the Semiconducting Properties of the Compound CsAu" <i>Physical Review</i> 115, no. 1: 57-62.		
<b>Schroeder, Alfred C. Sziklai, George C.</b>	n.d.	Box 8
"Electronic Spectroscopy"		
Includes photos of equipment		
<b>Good, William E. True, Thomas T.</b>	1971	Box 8
"Principles of Color Selection in a Light Valve Color T.V. Projector" <i>Proceedings of 1971 International Symposium of Society</i>		

## Series III. RCA

*for Information Display*, Philadelphia, PA,  
Incomplete.

<b>Vilkomerson, David H.R.</b>	1969	Box 9
"A Holographic Communication Theory with Applications to Holographic Digital Storage"		
<b>Wilson, E.W.</b>	1946	Box 9
To V.K. Zworykin		
<b>Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	1943	Box 9
"Applications of the Electron Microscope in Metallurgy" <i>Metals Technology: American Institute of Mining and Metallurgical Engineers Technical Publication</i> no. 1594: 1-25.		
<b>Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	1943	Box 9
"Electron Microscopy in Chemistry" <i>Electronics</i> .		
<b>Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	1936	Box 9
"Electron Optical Systems and Their Applications:" <i>Journal of the Institution of Electrical Engineers</i> 79, No. 475: 1-10.		
<b>Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	1929	Box 9
"Facsimile Picture Transmission" <i>Proceedings of the Institute of Radio Engineers</i> 17 No 3: 536-550.		

## Series III. RCA

<b>Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	1962	Box 9
Newspaper article		
<b>Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	1947	Box 9
Photocells and their application		
Correspondence		
<b>Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	n.d.	Box 9
Television Patents		
<b>Hillier, James Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	1943	Box 9
"A Compact High Resolving Power Electron Microscope" <i>Journal of Applied Physics</i> 14, No. 12: 658-673.		
<b>Hillier, James Vance, A. W. Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	1941	Box 9
"An Electron Microscope for Practical Laboratory Service" <i>AIEE Committee on Communication</i> .		
<b>Zworykin, V. K. , (Vladimir Kosma), 1889-1982 Zworykin, V. K.; Lynn; and Hanna</b>	1928	Box 9
"Kerr Cell Method of Recording Sound" Transactions of the <i>Society of Motion Picture Engineers</i> 12, No. 35: 748-756.		
<b>Malter, L. Morton, George Ashmun, 1903- Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b>	1936	Box 9

## Series III. RCA

"The Secondary Emission Multiplier-A  
New Electronic Device" *Proceedings of  
the Institute of Radio Engineers* 24, No. 3:  
351-375.

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**Hillier, James Morton, George Ashmun,** 1945 Box 9  
**1903- Ramberg, E. G., (Edward  
Granville), 1907- Vance, A. W. Zworykin,  
V. K. , (Vladimir Kosma), 1889-1982**  
*Electron Optics and the Electron  
Microscope--Folder 1*

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**Hillier, James Morton, George Ashmun,** 1945 Box 9  
**1903- Ramberg, E. G., (Edward  
Granville), 1907- Vance, A. W. Zworykin,  
V. K. , (Vladimir Kosma), 1889-1982**  
*Electron Optics and the Electron  
Microscope--Folder 2*

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**Ramberg, E. G., (Edward Granville),** 1947 Box 9  
**1907- Zworykin, V. K. , (Vladimir  
Kosma), 1889-1982**  
"Applications de la Microscopie  
Electronique et de la Diffraction  
Electronique a la Metallurgie" *Centenaire  
de l'Association des Ingenieurs sortis de  
l'Ecole de Liege* (a.I.L.g): 29-40.

French

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**Ramberg, E. G., (Edward Granville),** 1953 Box 9  
**1907- Zworykin, V. K. , (Vladimir  
Kosma), 1889-1982**  
"Photoelectric Cells" *Encyclopedia of  
Chemical Technology Volume 10 Pentacene  
to Polymethine Dyes*: 519-542.

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## Series III. RCA

<b>Ramberg, E. G., (Edward Granville), 1907- Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b> <i>PhotoElectricity and Its Application</i>	1949	Box 10
<b>Ramberg, E. G., (Edward Granville), 1907- Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b> "Standards Conversion of Television Signals" <i>Electronics</i> : 86-91.	1952	Box 10
<b>Ramberg, E. G., (Edward Granville), 1907- Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b> "Surface Studies with the Electron Microscope" <i>Journal of Applied Physics</i> 12, No. 9: 692-695.	1941	Box 10
<b>Ramberg, E. G., (Edward Granville), 1907- Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b> "Television its Indebtedness and Contributions to Science"	n.d.	Box 10
<b>Wilson, E.D. Zworykin, V. K. , (Vladimir Kosma), 1889-1982</b> "The Caesium-Magnesium Photocell" <i>Journal of the Optical Society of America and Review of Scientific Instruments</i> , 19, No.2: 81-89.	1929	Box 10
<b>Unidentified author</b> German	1960	Box 10
<b>Unidentified author</b>	1961	Box 10

## Series III. RCA

## German correspondence

<b>Unidentified author</b>	1972-1973	Box 10
Aviation Math and Physics Curriculum for Teaching		
<b>Unidentified author</b>	1958	Box 10
Bibliography of Scientific Books in German		
<b>Unidentified author</b>	1962-1964	Box 10
Bomb Test Suit		
<p>Materials relating to a lawsuit that Ramberg joined, in which 186 plaintiffs from 22 countries attempted to sue the U.S. and USSR to limit the proliferation of nuclear weapons. There is correspondence from Francis Heisler and Ralph B. Atkinson, attorneys in the case, and a brief history of the suit from its beginnings with Linus Pauling in 1958.</p>		
<b>Unidentified author</b>	n.d.	Box 10
<p>"Colour Television Encyclopedia Entry"  <i>Encyclopaedic Dictionary of Physics</i>  <i>Supplementary Volume 1.</i></p>		
<b>Unidentified author</b>	1956	Box 10
David Sarnoff Golden Anniversary		
<b>Unidentified author</b>	n.d.	Box 10
<p>"Degrouping in Color Kinescopes and Its Correction: The Apparent Beam Pattern in the Deflection Plane"</p>		
<b>Unidentified author</b>	n.d.	Box 10
<p>"Der Photo Effekt"</p> <p>German</p>		
<b>Unidentified author</b>	1951	Box 10
<p>"Direct View Color Kinescopes-A Series of 11 Papers by Engineers of Research"</p>		

## Series III. RCA

Department, RCA Laboratories Division  
 And of Tube Department, RCA Victor  
 Division" *Proceedings of the IRE*:  
 1177-1263.

<b>Unidentified author</b>	n.d.	Box 10
"Efficiency Considerations in Thermoelectric Cooling and Power Generation"		
<b>Unidentified author</b>	1961	Box 10
Eisenach  German		
<b>Unidentified author</b>	1953	Box 10
"Electron Optics of Focusing Masks in Tri-Color Kinescopes"		
<b>Unidentified author</b>	1956	Box 10
"Focusing-Grill Kinescopes" <i>RCA Laboratories Report LB-1026</i> : 1-19.		
<b>Unidentified author</b>	n.d.	Box 10
"Fortschritte im Gebiet der Photoemission"  German		
<b>Unidentified author</b>	1946	Box 10
General Electric Cell Information		
<b>Unidentified author</b>	1972	Box 10
IEEE David Sarnoff Award given to Edward G. Ramberg		
<b>Unidentified author</b>	n.d.	Box 10
Patents and Sony Research		
<b>Unidentified author</b>	1948	Box 10



## Series III. RCA

Permission to publish reprints

<b>Unidentified author</b> Photoelectric Cells (Bibliography)	(1943?)	Box 10
<b>Unidentified author</b> Phototubes  Photographs	n.d.	Box 10
<b>Unidentified author</b> Phototubes/Photoelectric Cells	n.d.	Box 10
<b>Unidentified author</b> Princeton Authors	n.d.	Box 10
<b>Unidentified author</b> <i>Proceedings of the IRE</i> , 42, no. I.	1954	Box 10
<b>Unidentified author</b> RCA Laboratories Annual Dinner	1956-1965	Box 11
<b>Unidentified author</b> RCA Pamphlets	n.d.	Box 11
<b>Unidentified author</b> RCA Scientific Equipment	n.d.	Box 11
<b>Unidentified author</b> "Recent Developments in Photo- and Thermoelectricity, particularly with Regard to their Applications"	n.d.	Box 11
<b>Unidentified author</b> "Sekundareffekte in der lichtelektrischen Leitung"  German	n.d.	Box 11
<b>Unidentified author</b>	1956	Box 11

## Series III. RCA

"Semiconductor Thermoelectric Generators  
and Refrigerators and Their Applications"  
Russian Literature Survey *Infosearch*  
London.

<b>Unidentified author</b> Television Research Patents	1969	Box 11
<b>Unidentified author</b> Television Textbook	n.d.	Box 11
<b>Unidentified author</b> Television Tube Patents	1965	Box 11
<b>Unidentified author</b> Twenty-Five Years at RCA Laboratories, 1942-1967	1968	Box 11

## Series IV. Society for Social Responsibility in S...

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**Series IV. Society for Social Responsibility 1947-1974** **0.5 Linear**  
**in Science** **feet**


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The Series on the Society for Social Responsibility in Science (SSRS) contains material on its founding in 1948, including a folder on a conference held at Haverford College. There is correspondence relating to Wolfgang Losch, a German scientist who toured the United States in 1968, and material from the Nominating Committee of the SSRS from 1969, which includes biographical sketches of possible members and correspondence. There is a list of members and a constitution from 1967, Council Meeting minutes and constitutions from 1956, 1959, and 1960, a list of officers from 1960, and a constitution from 1952. In the Victor Patchkis file is his analysis and history of the organization after its first ten years.

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<b>Bechert, Karl, 1901-1981</b>	1947-1974	27 items	Box 12
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Correspondence German

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<b>Committee on Social Implications of Technology.</b>	1973		Box 12
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<b>Deubners (?)</b>	1972, 1973	2 items	Box 12
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German

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<b>Flanders, Ralph E.</b>	1956		Box 12
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"Scientific Considerations for the Human Conscience"

Given at the SSRS Conference at Swarthmore College

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<b>Gerlach, Walther, 1889-1979</b>	1950, 1959	6 items	Box 12
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German

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<b>Hersh, Phyllis</b>	1972	3 items	Box 12
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<b>Jehle, Herbert</b>	1948	2 items	Box 12
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<b>Losch, Wolfgang</b>	1968	49 items	Box 12
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German and English

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## Series IV. Society for Social Responsibility in S...

<b>Luck, Werner</b>	1969, 1970	51 items	Box 12
German and English			
<b>Muller, (?)</b>	1969, 1970	6 items	Box 12
German			
<b>Muller, Julia</b>	1971	2 items	Box 12
German			
<b>Patchkis, Victor</b>	1960		Box 12
German and English			
<b>Ramberg, E. G., (Edward Granville), 1907-</b>	1961		Box 12
Conference Against the Spread of Nuclear Weapons, Oslo Norway			
<b>Ramberg, E. G., (Edward Granville), 1907-</b>	1964		Box 12
"Does the Scientist have a Special Social Responsibility?" Paper given at the Congress of Scientists on Survival			
<b>Ramberg, E. G., (Edward Granville), 1907-</b>	1956, 1958		Box 12
Mice, Men and Fallout			
<b>Ramberg, E. G., (Edward Granville), 1907-</b>	1972		Box 12
"Problems and Priorities" <i>SPARK</i> <i>Committee for Social Responsibility in Engineering</i> 2, No. 2, 2-3.			
<b>Society for Social Responsibility in Science (ACT).</b>	1952		Box 12

## Series IV. Society for Social Responsibility in S...

Constitution			
<b>Society for Social Responsibility in Science (ACT).</b> Founding	1948	5 items	Box 12
<b>Society for Social Responsibility in Science (ACT).</b> Meetings	1970		Box 12
<b>Society for Social Responsibility in Science (ACT).</b> Members and Constitution	1967		Box 12
<b>Society for Social Responsibility in Science (ACT).</b> Minutes	1956		Box 12
<b>Society for Social Responsibility in Science (ACT).</b> Minutes	1959		Box 12
<b>Society for Social Responsibility in Science (ACT).</b> Minutes	1960		Box 12
<b>Society for Social Responsibility in Science (ACT).</b> Newsletter	1949-1954		Box 12
<b>Society for Social Responsibility in Science (ACT).</b> Newsletter	1955-1958		Box 12
<b>Society for Social Responsibility in Science (ACT).</b> Newsletter	1959-1964		Box 12

## Series IV. Society for Social Responsibility in S...

<b>Society for Social Responsibility in Science (ACT).</b> Nominating Committee, Folder 1	1969		Box 12
<b>Society for Social Responsibility in Science (ACT).</b> Nominating Committee, Folder 2	1969		Box 12
<b>Stewart, Albert</b>	1954	2 items	Box 12
<b>Vail, James G.</b> "Science and the Business of Living"	1947		Box 12
<b>Wergeland, H., (Harald), 1912-1987</b>	1967	4 items	Box 12
<b>Unidentified author</b> Civil Defense Essay	n.d.		Box 12
<b>Unidentified author</b> Conference of Scientists at Haverford College	1948		Box 12
<b>Unidentified author</b> <i>Philadelphia Inquirer</i> article on Society for Social Responsibility in Science  Charter in Bucks County approval	1960		Box 12
<b>Unidentified author</b> <i>SPARK Committee for Social Responsibility in Engineering</i> , 5, No. 2.	1975		Box 12

## Series V. Peace concerns

Series V. Peace concerns	1961-1994	1.5 Linear feet
<p>Ramberg was strongly opposed to America's involvement in the Vietnam War and the peace series contains material about the military industrial complex, pamphlets, and writings, including some by Ramberg and his wife on the war.</p> <p>The series includes material about the Southampton Monthly Meeting of the Society of Friends, of which Ramberg was a member -- mostly financial information from 1986-1992, when he served as treasurer -- and other miscellaneous information on Friends' Meetings in the early 1990's and on the Friends' Committee on National Legislation.</p>		
<b>American Friends Service Committee.</b>	1961	Box 13
Brochures	n.d.	Box 13
Chemical Weapons- <i>NARMIC: National Action/ Research on the Military Industrial Complex</i>	1970	Box 13
Citizens Concerned About Nuclear Power	1971-1972	Box 13
Investing and Quakers	1970-1973	Box 13
Justice and Foreign Policy, Folder 1 Friends Peace Committee	1975	Box 13
Justice and Foreign Policy, Folder 2 Friends Peace Committee	1975	Box 13
Justice and Foreign Policy, Folder 3 Friends Peace Committee	1975-1976	Box 13
Justice and Foreign Policy, Folder 4 Friends Peace Committee	1975-1976	Box 13
Military Industrial Complex and Vietnam	1968-1972	Box 13

## Series V. Peace concerns

Nonviolence--1	n.d.	Box 13
Nonviolence--2	1968-1969	Box 13
Peace and Service-Bucks County	1970	Box 13
Pollution--1	1966-1967	Box 14
Pollution--2	1970	Box 14
Prosperity and Foreign Policy	n.d.	Box 14
Quakers and Social Action	1972	Box 14
Quakers and Social Responsibility	1968, 1970	Box 14
"Stewardship of Wealth Among Friends"	1984	Box 14
Voters for Peace	1966-1967	Box 14
<b>Ramberg, Edward G.</b> "Engineer and Military Technology"	1973	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Letter to the Editor on Vietnam	1967	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Letters to the Editor on Vietnam	1968-1973	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Nuclear Concerns	1975	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Social Issues Correspondence with Government Officials	1960-1961	Box 14



## Series V. Peace concerns

<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Social Issues Correspondence with Government Officials	1968	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Social Issues Correspondence with Government Officials	1969	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Social Issues Correspondence with Government Officials	1970	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Social Issues Correspondence with Government Officials	1971	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Social Issues Correspondence with Government Officials	1972	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Social Issues Correspondence with Government Officials	1973	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b> Social Issues Correspondence with Government Officials	1979	Box 14
<b>Ramberg, E. G., (Edward Granville),</b> <b>1907-</b>	1980	Box 14

## Series V. Peace concerns

Social Issues Correspondence with  
Government Officials

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**Ramberg, E. G., (Edward Granville),** 1982-1985 Box 14  
**1907-**

Social Issues Correspondence with  
Government Officials

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**Ramberg, E. G., (Edward Granville),** 1979 Box 14  
**1907-**

Statement on Conscription

---

**Ramberg, E. G., (Edward Granville),** 1990 Box 14  
**1907-**

Tax Deductible Contributions to Peace  
Organizations

---

**Ramberg, E. G., (Edward Granville),** 1972-1978 Box 15  
**1907-**

Test Ban Campaign

Against testing of nuclear weapons by the United States

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**Ramberg, Sarah Sargent** 1966-1973 Box 15  
Peace Committee

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**Society of Friends. Bucks (Pa.) Quarterly** 1987 Box 15  
**Meeting.**

Peace and Service Newsletter

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**Society of Friends. Philadelphia Yearly** 1992 Box 15  
**Meeting**

"Action Suggestions on Issues Concerning  
the United Nations"

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**Society of Friends. Philadelphia Yearly** 1992, 1994 Box 15  
**Meeting**

## Series V. Peace concerns

## Committee of the United Nations

<b>Society of Friends. Philadelphia Yearly Meeting</b> Minutes	1986-1987	Box 15
<b>Society of Friends. Philadelphia Yearly Meeting</b> Minutes	1990-1991	Box 15
<b>Society of Friends. Philadelphia Yearly Meeting</b> Minutes	1992	Box 15
<b>Society of Friends. Philadelphia Yearly Meeting</b> Minutes	1993	Box 15
<b>Society of Friends. Philadelphia Yearly Meeting</b> Minutes	1994	Box 15
<b>Specter, Arlen</b> Contra Aid	1986	Box 15
<b>United Nations</b> United Nations Peacekeeping Report	1994	Box 15
<b>Unidentified author</b> "An Octogenarian Outing to Indians"	1973	Box 15

## Series VI. Amnesty International

Series VI. Amnesty International	1975-1993	4.0 Linear feet
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The Amnesty International Series consists primarily of material on various countries monitored by Amnesty International for violations of human rights, 1972-1994. Ramberg was a member of Bucks County Group Number 85 of Amnesty International, which "adopted" prisoners from Greece, Yugoslavia, Indonesia, and several African countries. Ramberg would write to the prisoner and to members of the United States government and their own government about their case. There is also information on Chile and Argentina during the era of "desaparecidos," and a substantial amount of information on Amnesty International campaigns against the death penalty in the United States and in other countries, including Ramberg's numerous letters of protest to governors of states that were conducting executions of prisoners.

Part of the value of this series is in the detailed documentation it offers of the activities of a local chapter of Amnesty International. It contains the minutes of meetings of the Bucks County Group between 1975-1994, which give regular updates on adoption cases, copies of requests for financial assistance that were sent to members, and a wealth of correspondence with Deborah Margulies, president of the Bucks County Group. This series also includes Amnesty International news releases, updates on the situation in specific countries, and newspaper and magazine articles on countries in need. Finally, there is a letter from September 24, 1975, that details the early history of the Bucks County Group and Ramberg's involvement in it, along with pamphlets that explain the purpose of the Bucks County Group.

<b>Amnesty International</b> Adoption Groups	1978-1981	Box 16
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<b>Amnesty International</b> Adoptions and Country Information	1989	Box 16
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<b>Amnesty International</b> Adoptions Groups Policies	1983	Box 16
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<b>Amnesty International</b> <i>Amnesty Action</i> Newsletter-1	1976-1979	Box 16
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