

Walter Brattain family papers, 1860-1990

Overview of the Collection

Creator	Brattain, Walter H. (Walter Houser)
Title	Walter Brattain family papers
Dates	1860-1990 (inclusive) 1860 1990 1901-1990 (bulk) 1901 1990
Quantity	35 linear feet, (45 boxes)
Collection Number	WCMss.022
Summary	This collection contains the scientific and personal papers of Walter Brattain, an inventor of the transistor and winner of the Nobel Prize in Physics, in addition to his family papers.
Repository	Whitman College and Northwest Archives Whitman College and Northwest Archives Penrose Library, Room 130 345 Boyer Avenue Walla Walla, WA 99362 Telephone: 509-527-5922 Fax: 509-526-4785 archives@whitman.edu
Access Restrictions	Restrictions are noted.
Languages	English
Sponsor	Funding for encoding this finding aid was provided through a grant awarded by the National Endowment for the Humanities.

Biographical Note

Walter Houser Brattain was born on Feb. 10th, 1902 in Amoy, China. He was the son of Ross R. Brattain and Otilie Houser, the oldest of their five children. Two of his sisters died very young; he spent his childhood in Washington State with his third sister, Mari Brattain, and his brother, R. Robert Brattain. The Brattain family had many Whitman College connections: Ross and Otilie met at Whitman and Ross graduated from the college in 1901. Walter graduated from Whitman in 1924 with majors in Physics and Math under Professors Benjamin H. Brown (Physics) and Walter A. Bratton (Math).

There were three other physicists of note who graduated in Walter Brattain's class: Walker Bleakney, E.J. Workman, and Vladimir B. Rojansky, with whom he collaborated over the years. The four of them were known as Whitman's "Four Horsemen of Physics." While a Whitman student, Brattain was passionate about math, an excellent tennis player and member of the Kirkman Club, a fraternal group.

After receiving his Bachelor of Science degree from Whitman, Brattain was awarded a Masters of Arts by the University of Oregon in 1926 and a Doctorate of Philosophy by the University of Minnesota in 1929. After completing his graduate studies, Brattain worked for the radio section of the National Bureau of Standards in Washington, D.C., from 1927 to 1928. In 1929 he joined the technical staff of Bell Telephone Laboratories and worked as a research physicist until his retirement in 1976. During

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World War II, he was associated for 22 months with the National Defense Research Committee at Columbia University, working on magnetic detection of submarines. Brattain was a visiting lecturer at Harvard University during the fall of 1952 and a visiting lecturer at Whitman College between 1962 and 1963, becoming a visiting professor between 1963 and 1972 and an adjunct professor from 1972 until 1976. He remained afterwards as a consultant at Whitman.

Brattain was awarded the Nobel Prize in Physics in 1956, with Dr. John Bardeen and Dr. William B. Shockley, "for research on semiconductors and the discovery of the transistor effect." These three American physicists invented the transistor on December 23, 1947, at the American Telephone and Telegraph Company at Bell Laboratories. The transistor's name derives from the descriptive phrase "transfer of signal through varsitor." The transistor is a solid state device involved in connecting battery power to signal power. As a key element in amplifying small electrical signals and in processing of digital information, it is today an active component in all electronic systems. Brattain received honorary Doctor of Science degrees from Portland University in 1952, from Whitman College and Union College in 1955, and from the University of Minnesota in 1957. In 1952 he was awarded the Stuart Ballantine Medal of the Franklin Institute, and in 1954 the John Scott Medal. The degree at Union College and the two medals were received jointly with Dr. John Bardeen, in recognition of their work on the transistor. In 1974, he was named to the National Inventors Hall of Fame.

Brattain was a member of the National Academy of Sciences and the Franklin Institute, a Fellow of the American Physical Society, and a member of the American Academy of Arts and Sciences and the American Association for the Advancement of Science. He was also a member of the commission on semiconductors of the International Union of Pure and Applied Physics and of the Naval Research Advisory Committee. At Whitman, he was nominated to membership in Phi Beta Kappa and Sigma Xi. He also served as an Overseer for the college.

The chief field of Brattain's research was the surface properties of solids, as well as research directed at (1) thermionic emission and absorbed layers on tungsten, phospholipids bylayers or membranes rectification and (2) photo effects at semiconductor surfaces (ergo, cuprous oxide, silicon and germanium). Among his contributions are the discoveries of photo effect at the free surface of a semiconductor, the invention of the point-contact transistor jointly with Dr. John Bardeen, and shared research on piezoelectric frequency standards, magnetometers, blood clotting, and infrared detectors.

Walter Brattain married Dr. Keren Gilmore (chemist) in 1935 and had a son, William G. Brattain, in April, 1943. Keren died in April 1957. In May, 1958, he married Mrs. Emma Jane (Kirsch) Miller, a Whitman College alumna. He had three stepchildren and 10 grandchildren. Walter Brattain died on October 13, 1987, in Seattle, Washington, of Alzheimer's disease.

Content Description

The collection is divided into two sections: materials created by Walter Brattain in the context of his profession and career (series 1-6), and materials created by the Brattain family (series 7-11).

The Walter Brattain papers contain correspondence between Brattain and his collaborators, Bell Laboratories, Nobel Prize-related correspondence, and letters to other Whitman College alumni. Brattain's writings include his autobiography, speeches, and scientific publications. In addition, the collection contains materials related to his teaching career, research notes, numerous awards and honors, and travels to conferences around the world. The collection also contains photographs of college and reunions, dinner ceremonies and awards, scientific experiments, transistors, and conference trips, specifically those to China and Europe. Rounding out the collection are published scientific papers, awards and diplomas, newspaper clippings, and audio and video recordings.

The Brattain family papers include family histories, correspondence, writings, and photographs. The correspondence series contains letters written or received by members of the Brattain family, including Walter, Ross and Otilie, Emma Jane, and Keren Brattain. Also included are family and vacation photos. An extensive collection of glass lantern slides documents scenes of daily life in China in the early 1900s. The two groups of materials are not unrelated and some materials might be valuable to both sections but integrated only in one.

Use of the Collection

Restrictions on Use

Researchers are responsible for using in accordance with 17 U.S.C. Copyright not transferred to Whitman College.

Administrative Information

Acquisition Information

Donated to the Whitman College and Northwest Archives by William and Evelyn Brattain in 1990. The accession number is retro-0023.

Detailed Description of the Collection

1: Correspondence, 1921-1982

4 linear feet

Boxes 1-3: General correspondence (incoming and outgoing) arranged by year

Box 4: Correspondence (incoming and outgoing) arranged by writer or recipient

Container(s)		Description	Dates
Box	Folder		
1	1	General Correspondence	1923-1939
1	2	General Correspondence	1940-1949
1	3	General Correspondence	1950-1951
1	4	General Correspondence	January-May 1952
1	5	General Correspondence	June-December 1952

Container(s)		Description	Dates
1	6	General Correspondence	1953
1	7	General Correspondence	1954
1	8	General Correspondence	1955
1	9	General Correspondence	1956
1	10	General Correspondence	1957
1	11	General Correspondence	1958
1	12	General Correspondence	January-April 1959
1	13	General Correspondence	May-December
1	14	General Correspondence	1960
1	15	General Correspondence	January-June 1961
1	16	General Correspondence	July-December 1961
2	1	General Correspondence	January-April 1962
2	2	General Correspondence	May-December 1962
2	3	General Correspondence	January-May 1963
2	4	General Correspondence	June-December 1963
2	5	General Correspondence	1964
2	6	General Correspondence	1964
2	7	General Correspondence	1965

Container(s)		Description	Dates
2	8	General Correspondence	1965
2	9	General Correspondence	1966
2	10	General Correspondence	1966
2	11	General Correspondence	January-May 1967
2	12	General Correspondence	June-December 1967
3	1	General Correspondence	1968
3	2	General Correspondence	1969
3	3	General Correspondence	1970
3	4	General Correspondence	1971
3	5	General Correspondence	1972
3	6	General Correspondence	1973
3	7	General Correspondence	1974
3	8	General Correspondence	1975
3	9	General Correspondence	1976
3	10	General Correspondence	1977
3	11	General Correspondence	1978
3	12	General Correspondence	1979
3	13	General Correspondence	1980
3	14	General Correspondence	1981-1982
4	1	Autographs	1979-1982, undated

Container(s)		Description	Dates
4	2	Autograph Requests (Denied)	1980-1982, undated
4	3	Roland Bainton Correspondence	1973
4	4	Walker Bleakney Letter	1925
4	5	R. Robert Brattain Correspondence and Papers	1965, undated
4	6	Benjamin Brown Correspondence	1925
4	7	Henry Jackson Correspondence 1	1965-1969
4	8	Henry Jackson Correspondence 2	1970-1981
4	9	John Scott Award Correspondence	1955
4	10	Lindau Correspondence	1981-1982
4	11	"Mike" Long Correspondence	1972-1973
4	12	Publishers Correspondence	1972-1978
4	13	Reference Letters	1963-1979
4	14	Vladimir Rojansky	1944-1981
4	15	Round Robin Letters – Walter Brattain, Vladimir Rojansky, E.J. Workman, and Walker Bleakney	1928-1929
4	16	Donald Rudin and Paul Mueller Correspondence	1966-1967
4	17	"Understanding Science" Lectures Correspondence	1975-1978
4	18	Whitman College Correspondence	1962-1964
4	19	Whitman College 50th Anniversary of the Class of 1924 Correspondence	1974
4	20	Nobel Letters and Family Correspondence	1942-1956
4	21	Correspondence - Miscellaneous	1966-1980

Container(s)	Description	Dates
4 22	From Nobel winners to Pope	1965
4 23	Letters to Congressmen and President	1975
4 24	Answered Congratulations	1956
4 25	Nobel Prize Congratulations Telegrams	1956
4 26	Nobel Prize Congratulations Letters and Cards	1956-1957
4 27	Nobel Prize Congratulations Letters	1956
4 28	Vladimir Rojansky and Walker Bleakney Letters	1924-1974
4 29	From Whitman Alumni to Walter Brattain	1921-1928
4 30	Harvard Engineering School – Walker Bleakney	1924-1937
4 31	Letters to and from Vladimir Rojansky	1924, 1974
4 32	Round Robin Booster Letters	1928-1930
4 33	Letters from Walker Bleakney to Walter Brattain	1925-1931
4 34	Background information on the November 7, 1925, letter of Walker Bleakney to Vladimir Rojansky and Walter Brattain	undated
4 35	John Bardeen	undated
4 36	Hector Chevigny	undated
4 37	Letters from Wheaton Kraft	1916-1929
4 38	William Shockley	undated
4 39	Foreign Correspondence	1971-1976
4 40	Walter Bratton	1942

2: Career, 1917-1989

11 linear feet

This series documents Walter Brattain's career as a student and teacher of physics, as well as his scientific research, speeches, and writings. In addition, this series contains information on the conferences he attended and the professional memberships and accolades he received.

Container(s)	Description	Dates
	1: Teaching Walter Brattain taught at Whitman College from the late 1960s through the early 1970s. He taught several physics courses, as well as general science courses designed to help students "understand natural phenomena."	1953-1971
Box	Folder	
5	1 Science 51 Final Exams	undated
5	2 Science 51 Grade Book RESTRICTED UNTIL 2040	undated
5	3 Science 51 Lectures	1967-1967
5	4 Science 51 Lectures	1970
5	5 Science 51 Lectures	1971
5	6 Science 51 Master Lectures	undated
5	7 Science 51 Mid-Semester	1971
5	8 Science 51 Original Lectures, 1-9	undated
5	9 Science 51 Original Lectures, 10-13	undated
5	10 Science 51 Notes	undated
5	11 Science 51 Review	undated
5	12 Science 52 Exams	1966-1972
5	13 Science 52 Grades	1967
5	14 Science 52 Lectures	undated
5	15 Science 52 Lectures	1969
5	16 Science 52 Lectures	1971

Container(s)		Description	Dates
5	17	Science 52 Master Lectures	undated
5	18	Science 52 Notes	1968
5	19	Science 52 Original Lectures 1	undated
5	20	Science 52 Original Lectures 2	undated
5	21	Science 52 Quiz	undated
5	22	Science 52 Review	undated
5	23	Science 52 Supplementary Material	undated
5	24	Science 51 and 52 Tests, Quizzes, and Review Stencils	undated
5	25	Science 51 and 52 Tear Sheets	undated
6	1	96B Solid State	undated
6	2	Physics 243 Assignments and Tests	undated
6	3	Physics 243 Experiments	undated
6	4	Physics 243 Lectures	undated
6	5	Physics 297 Lectures	undated
6	6	Class Names	undated
6	7	Continental Classroom	undated
6	8	Corrected Lectures	undated
6	9	Cost of Revising Lectures	undated
6	10	Dates of Talks and Papers for Minnesota	undated
6	11	Grades and Miscellaneous RESTRICTED UNTIL 2040	undated
6	12	Lecture Book Notes	undated

Container(s)		Description	Dates
6	13	Master Lectures	undated
6	14	Master Lectures Extras	undated
6	15	Minnesota	1953
6	16	Notes on Physics of Transistors and Semiconductors Course	undated
6	17	Revised Lectures	undated
6	18	Sample Lectures 1 and 12	undated
6	19	Teaching Transistor Physics	undated
6	20	Transcripts of Minnesota Lectures	undated
6	21	University of Washington Summer Institute	undated
6	22	Differential Equations of Mathematical Physics	undated
6	23	Electrical Engineering Laboring Notes	undated
6	24	Old Exam Questions, Minnesota and Earlier	undated
6	25	Optics	undated
6	26	Physics Department Notes	undated
6	27	Physics Folder	undated
6	28	Spring Quarter Dynamics Notes	undated
6	29	University of Oregon Advanced Elective Course Notebook	undated
		2: Transistor-Related Materials This sub-series contains articles, photographs, speeches, and other materials related to the development of the transistor. Included are writings and correspondence by Walter Brattain, as well as materials he collected.	1940-1984
Box	Folder		

Container(s)	Description	Dates
7 1	"Experiments Leading Up to the Discovery of the Transistor," talk given at conference in Bell Telephone Laboratories	1948
7 2	Articles on Transistor's Invention	1948
7 3	Transistor Promotional Photographs	1940s
7 4	Transistor Press Releases	1948
7 5	Transistor's Discovery	1940-1980
7 6	Discovery Photos	undated
7 7	Transistor Memorandum	undated
7 8	Transistor Articles	1948
7 9	Transistor Talks	1948
7 10	"The Story of the Transistor"	1958
7 11	"Genesis of the Transistor"	undated
7 12	"Genesis of the Transistor" Memorandum	undated
7 13	"Genesis of the Transistor" Miscellaneous	undated
7 14	"Genesis of the Transistor" Pamphlets	1972
7 15	Correspondence Regarding Publication of "Genesis of the Transistor"	1975
7 16	Published "Genesis of the Transistor"	1968
7 17	"Genesis of the Transistor" Reference Material	undated
7 18	Transistor Articles	1948-1979
7 19	Transistor Patents	1953
7 20	Early Transistor Article Clippings	1948-1955

Container(s)		Description	Dates
7	21	Tenth Anniversary of the Transistor	1958
7	22	Essay on the Tenth Anniversary of the Transistor	1958
7	23	20th Anniversary of the Transistor	1968
7	24	25th Anniversary of the Transistor	1972
7	25	25th Anniversary of the Transistor 2	1972
7	26	25th Anniversary of the Transistor 3	1972
7	27	25th Anniversary Statement	undated
7	28	Transistor Anniversary and Clippings	1972-1981
7	29	Transistor Circuits Miscellaneous	1952-1954
7	30	J. Bardeen and W.H. Brattain, "The Transistor, A Semi-Conductor Tale"	1948
7	31	J. Bardeen and W.H. Brattain, "Physical Principles Involved in Transistor Action"	1948
7	32	J. Bardeen, W.H. Brattain, W. Shockley, and G.L. Pearson, "The Transistor and Related Experiments"	1948
7	33	Transistor Miscellaneous	1972
7	34	"Transistor Resisters"	undated
7	35	Charles Weiner, "The Social Inventions Behind the Transistor"	1972
7	36	"The Physics of Transistors and Semiconductors" Booklet	undated
7	37	Bell Labs Correspondence and Soundsheet	1956-1975
7	38	Press Release - Transistors	1948
7	39	Transistor Clippings	1948-1987

Container(s)		Description	Dates
7	40	Nobel Clippings	1956-1963
7	41	Transistor and Nobel Publications	1948-1984
7	42	Walter Brattain, "Discovery of the Transistor Effect: One Researcher's Personal Account," in <i>Adventures in Experimental Physics</i>	undated
45	1	Picture and Data for the First Transistor	1947
		3: Speeches and Writings This sub-series includes handwritten and typewritten manuscripts as well as published articles written or co-authored by Walter Brattain. The bound collections of Bell Telephone Systems monographs include a number of articles by Walter Brattain.	1924-1981
Box	Folder		
8	1	Autobiography	undated
8	2	"Saga of An Expedition to Stockholm, Sweden, December, 1956" (multiple copies)	undated
8	3	"Contacts Between Metals and Semiconductors"	undated
8	4	"Development of Concepts in Semiconductor Research" Promotional Poster	1959
8	5	Dun's Review Statement	undated
8	6	"Is the Scientist Morally Responsible for the Use of His Discovery?"	undated
8	7	Harvard Engineering School Exam: Vladimir Rojansky, Walker Bleakney, and Walter Brattain	1924, 1974
8	8	Response to Senator Thomas Henning re: Secrecy and Science	undated
8	9	"How to Justify Scientific Research at the Executive Level – In Government – In Defense Department"	undated

Container(s)	Description	Dates
8 10	"The Physics of Transistors," Outline of Speech	1949
8 11	Lecture Promotional Clippings	1952-1968
8 12	Lipid Papers	1968-1970
8 13	Local College Talks	undated
8 14	"Man and The Universe"	1959
8 15	Northwest Conference on College Physics – outline of talk and experiment notes	1963
8 16	Meteor Sighting	undated
8 17	"Semiconductors," talk given to Metropolitan Section of American Physical Society	1937
8 18	"Oscillographic Study of Discharge of Condenser Through Inductance and Resistance and Spark Gap," Thesis, University of Oregon	1926
8 19	Talk given at Phi-Beta Kappa and Stories	1970
8 20	"A Pint's A Pound The World Around"	undated
8 21	Papers	undated
8 22	The Physics of Transistors and Semiconductors, including "The Copper Oxide Rectifier" by Brattain	undated
8 23	"Remarks on NIN Group"	undated
8 24	"Reminiscences of 40 Years in Physics"	undated
8 25	American Institute of Physics History	1981
8 26	Special Talks, 1	1957-1963
8 27	Special Talks, 2	1959-1976
8 28	"Genesis of the Transistor" Correspondence	1965-1966

Container(s)	Description	Dates
8 29	"Genesis of the Transistor," notes and publicity, sponsored by Albuquerque, New Mexico Institute of Electrical and Electronics Engineers, Inc.	1978
8 30	Speech Given at Dedication of Boeing's Research Building and Speech Given to High School Students	1960-1961
8 31	"Some Points about Surface Phenomena"	1970
8 32	Talks	1956-1968
8 33	Testimony 1	1961-1965
8 34	Testimony 2	1965
8 35	Testimony 3	undated
8 36	Transcripts of Interviews Taken on Tape Recorder	1964, 1974
8 37	"The University in A Troubled Society"	undated
8 38	Northwest Conference on College Physics	1963
8 39	"Man and the Universe," Whitman College Centennial Lecture	1959
8 40	"What is Science?" Washington State University Lecture	1971
8 41	"Genesis of the Transistor," Washington State University Lecture	1979
8 42	"Optical Constants of Germanium"	1948
8 43	Continental Classroom, "Physics for the Atomic Age," NBC Television Script	1959
8 44	W.H. Brattain and W. Shockley, "Density of Surface States on Silicon Deduced from Contact Potential Measurements"	1947
8 45	W.H. Brattain and L.G. Pearson, "Changes in Conductivity of Germanium Induced by Alpha-Particle Bombardment"	1950

Container(s)	Description	Dates
8 46	"Efficiency of Excitation by Electron Impact and Anomalous Scattering in Mercury Vapor," Thesis, University of Minnesota	1929
8 47	P.J. Boddy and W.H. Brattain, "Electrical Properties of the Anodically Etched Germanium Surface"	1963
8 48	P.N. Sawyer, Kwang-Tzen Wu, S.A. Wesolowski, W.H. Brattain, and P.J. Boddy, "Electrochemical Precipitation of Blood Cells on Metal Electrodes: An Aid in the Selection of Vascular Prostheses?"	1965
8 49	A.M. Portis, A.F. Kip, C. Kittel, and W.H. Brattain, "Electron Spin Resonance in a Silicon Semiconductor"	1953
8 50	"Evidence for Surface States on Semiconductors from Change in Constant Potential on Illumination"	1947
8 51	"Historical Development of Concepts Basic to the Understanding of Semiconductors"	1968
8 52	W.H. Brattain and P.J. Boddy, "Interaction of Iodide Ion with Germanium Electrodes"	1965
8 53	J. Bardeen, W.H. Brattain, and W. Shockley, "Investigation of Oxidation of Copper by Use of Radioactive Cu Tracer"	1946
8 54	T.M. Buck and W.H. Brattain, "Investigations of Surface Recombination Velocities on Ge by the Photoelectromagnetic Methods"	1955
8 55	"Irreversible Electrochemical Precipitation of Mammalian Platelets and Intravascular Thrombosis"	1964
8 56	"Introduction to the Chemistry and Physics of Surfaces"	undated
8 57	P.N. Sawyer, K.T. Wu, S.A. Wesolowski, W.H. Brattain, and P.J. Boddy, "Long-Term Potency of Solid-Wall Vascular Prosthesis"	1965
8 58	Memorandum: "A Vacuum System for Vaporization of Metal Contacts Onto Copper-Oxide Varistors" (includes photographs)	1937

Container(s)		Description	Dates
8	59	Old Abstracts	1930-1937
8	60	College Association for Public Events and Services (California)	1968
8	61	D.R. Kalkwarf, D.L. Frasco, and W.H. Brattain, "Current Rectification and Action Potentials Across Thin Lipid Membranes" and "Ion-Diffusion Potentials and Electrification Rectification Across Lipid Membranes Activated by Excitation-Induced Material"	1972
8	62	W.H. Brattain and P.J. Boddy, "Surface States at a Germanium-Electrolyte Interface"	1962
8	63	"Rectification Series" abstract	1946
8	64	P.J. Boddy and W.H. Brattain, "Residual Surface Recombination of Germanium Anodes"	1965
8	65	"Semiconductor Surface Phenomena"	1950
8	66	"Photo Cells at the Surface of a Semiconductor" (including photographs)	1944
8	67	W.H. Brattain and C.G.B. Garrett, "Surface Properties of Germanium and Silicon"	1954
8	68	"Surface Properties of Semiconductors," lecture to the Royal Swedish Academy of Sciences	1956
8	69	J.A. Becker and W.H. Brattain, "Thermionic Work Function of Slope and Intercept of Richardson Plots"	1934
8	70	Varistors, including "The Copper Oxide Varistor" by Walter Brattain	undated
8	71	D.R. Kalkwarf, D.L. Frasco and W.H. Brattain, "Current Rectification and Action Potentials Across Thin Lipid Membranes"	undated
8	72	J.A. Becker and W.H. Brattain, "Useful Equations in the Design of Thermistors"	1944

Container(s)		Description	Dates
8	73	"Development of Concepts in Semiconductor Research," Richtmyer Lecture	1956
8	74	"Dependence of Small Signal Parameters of n-p-n Transistors on Width of Collector Space Charge Layer"	1953
8	75	"John Dewey" Essay	undated
8	76	"Paper for Cross Roads"	circa 1925
8	77	Personal	undated
9	1	Bell Telephone System Monographs, volume 1	1947-1950
9	2	Bell Telephone System Monographs, volume 2	1950-1952
9	3	Bell Telephone System Monographs, volume 3	1951-1953
9	4	Bell Telephone System Monographs, volume 4	1953-1954
9	5	Bell Telephone System Monographs, volume 5	1954-1955
9	6	Bell Telephone System Semiconductor Monographs, volume 1	1946-1951
9	7	Bell Telephone System Semiconductor Monographs, volume 2	1952-1953
9	8	Bell Telephone System Semiconductor Monographs, volume 3	1952-1953
9	9	Reprints of Articles by Walter Brattain	1949-1962
		4: Conferences This sub-series includes itineraries, pamphlets, and correspondence related to conferences Walter Brattain attended around the world.	1948-1981
Box	Folder		
10	1	Itinerary for Stockholm Trip	1956
10	2	Amsterdam Conference	1953-1954

Container(s)		Description	Dates
10	3	Basel, Switzerland, International Union of Pure and Applied Physics	1966
10	4	Boston	1971
10	5	Brussels and Europe	1958
10	6	Brussels International Physics Conference (Photos)	1958
10	7	Brussels Telecommunications Exposition	1958
10	8	California Institute of Technology Albuquerque Trip	1978
10	9	California Institute of Technology's 75th Anniversary	1966
10	10	Cambridge – 10th International Conference on the Physics of Semiconductors	1970
10	11	China	undated
10	12	China Trip Directory	1979
10	13	Columbia Basin College	1968
10	14	Conference on Physics of Semiconductor Surface	1956
10	15	Devices Research Conference	1957
10	16	Europe	1965
10	17	Europe	1971
10	18	Europe	1973
10	19	Europe Reservations and Expenses	1958
10	20	Exeter Attendees	1962
10	21	Gordon Conference	1977
10	22	Gustavius Adolphus	1975

Container(s)		Description	Dates
10	23	International Conference on the Physics and Chemistry of Solid Surface Guest List	1969
10	24	Photo Identification for the International Conference on Semi-Conductors	1950
10	25	Japan, 1	1958
10	26	Japan, 2	1959
10	27	Japan	1966
10	28	Korea	1973
10	29	Kwajalein, Marshall Islands: Bell Laboratories Conference	1973
11	1	Lindau Attendees	1962
11	2	Lindau - Exeter	1962
11	3	Lindau	1965
11	4	Lindau	1968
11	5	Lindau Attendee List	1973
11	6	Lindau – Meeting of Nobel Prize Winners	1979
11	7	London Institute of Electrical Engineers	1959
11	8	London – 50th Meeting of the Naval Research Advisory Committee	1961
11	9	London	1974
11	10	Moscow	1968
11	11	Northwest Regional Energy Conference	1978
11	12	Paris	1975
11	13	Physics of Semiconductors Conference	1970

Container(s)		Description	Dates
11	14	Pittsburg Convocation of Nobel Laureates	1981
11	15	Pittsburg Convocation of Nobel Laureates Photographs	1981
11	16	Portland, Oregon, Institute of Electrical and Electronics Engineers (IEEE)	May 27, 1968
11	17	Portland, Oregon, Institute of Electrical and Electronics Engineers	1968
11	18	Prague, (Czechoslovakia) Czech Republic	1960
11	19	Providence Conference on the Physics and Chemistry of Solid Surfaces	1964
11	20	Reading – First Trip	1950
11	21	Rochester Semiconductor Conference	1958
11	22	Russian Visits	1956-1963
11	23	Stockholm	1975
11	24	Solid State Seminar	1964-1965
11	25	Stuttgart	1964
11	26	Taipei	1973
11	27	Tehran	1965
11	28	Transistor Conferences	1948, 1950
11	29	Travel	1972-1973
11	30	Trip Expense Accounts	1948-1960
11	31	Versailles Conference	1975
11	32	Visiting Scientists Program in Physics	1959-1961
5: Experiments and Data			1929-1977

Container(s)		Description	Dates
Box	Folder		
12	1	# (Alpha) Particles	undated
12	2	Ana Data	1968
12	3	Ana Data	1969
12	4	Ana Data	1970
12	5	Apparatus	undated
12	6	Auxiliary Data and Calculation	undated
12	7	CaCl	undated
12	8	Circuit Problems	undated
12	9	Data Notes, 1	undated
12	10	Data Notes, 2	undated
12	11	Data Notes, 3	undated
12	12	Data, 4	undated
12	13	Data and Averages	undated
12	14	Data on EIM-activated membranes	1974
12	15	Data on EIM-activated membranes	July, 1971
12	16	Equations and Proofs	undated
12	17	Figures	undated
12	18	Figures and Tables	undated
12	19	Delta G versus Y	undated

Container(s)		Description	Dates
12	20	J.A. Hornbeck and P.W Foy, "Ohmic Contacts as a Source of Reverse Saturation Currents in p-n Junctions," paper abstract	1952
12	21	Index Refraction	undated
12	22	Inductance, 1	undated
12	23	Inductance, 2	undated
12	24	KCl data	undated
12	25	KFI/KBr/(CH ₃) ₄ HCl/NH ₄ Cl	undated
12	26	K ₂ SO ₄	undated
12	27	Lipids, 1	undated
12	28	Lipids, 2	undated
12	29	Microscopic Examination of the Copper-Cuprous Oxide Interface of Copper-Oxide Varistors, with Plates	undated
12	30	Miscellaneous Experiments	undated
12	31	NaCl	undated
12	32	Nerves	undated
12	33	Optical Constants of Ge Papers	undated
12	34	Optical Thickness	undated
12	35	Optical Thickness	undated
12	36	Patent Application number 11,165 (Continuation of Transistor)	undated
12	37	Patent Application Infra-Red Detectors and Recorder	1962
12	38	Patent Application	November 14, 1955

Container(s)		Description	Dates
12	39	Patents 1 to 6	undated
12	40	Patents 1-7, 3-9 (Brattain- Bardeen)	undated
12	41	Patents 4-11, 5-12, 6-13 (Brattain – Bardeen)	undated
12	42	Patent – Three Electrode Circuit (John Bardeen and Walter Brattain)	1950
12	43	Insulators	undated
13	1	Progress Reports	1929
13	2	Notebook Inventories	undated
13	3	"The Results of a Study of the Current Voltage Characteristics of Cu ₂ O Rectifier Unit"	1935
13	4	Rhodium Plating	undated
13	5	Germanium Etches	undated
13	6	Salt Bias	undated
13	7	Silicon	undated
13	8	Silicon n and k Data	undated
13	9	Silicon Rectifier	undated
13	10	Silicon Reports, etc.	undated
13	11	Theory of Semiconductors and Rectification	undated
13	12	Transmissions Through Thin Films	undated
13	13	"A Vacuum System for Vaporization of Metal Contacts onto Contact Oxide Varistors"	1937
13	14	Vapor Pressure	undated
13	15	Lab Notebooks	undated

Container(s)		Description	Dates
45	2	Membrane Data Charts	1977
6: Honors, Awards, and Recognitions			1917-1989
Box	Folder		
13	16	Awards and Certificates	1953-1966
13	17	Defense Science Board	1966
13	18	Nobel Science Hall Dedication, Gustavus Adolphus College, Minnesota	1963
13	19	Washington Centennial Hall of Honor Catalog	1989
13	20	University of Oregon Alumnus of the Year Award	1976
13	21	University of Minnesota Honorary Doctor of Science Degree	1957
13	22	Nobel Prize Announcement	1956
13	23	Nobel Prize Ceremony Invitation	1956
13	24	Nobel Transistor Demonstration Materials	1956
13	25	Nobel Ceremony Activities	1956
13	26	Nobel Trip Expenses	1956
13	27	Nobel Laureates Dinner at White House	1962
13	28	Recognitions and Articles	1966-1981
13	29	Retirement, Bell Labs	1967
13	30	Correspondence with Sweden before and after Nobel Trip	1956 – 1957
13	31	Correspondence List for Nobel Congratulations	undated
13	32	Nobel Prize Congratulations and Clippings	1956

Container(s)		Description	Dates
13	33	Nobel Prize Clippings and Anniversary Celebrations	1956-1982
13	34	Nobel Laureate Day Photo Album	1957
14	1	American Institute of Physics	1957
14	2	Awards	1925, 1953
14	3	Brain Life Research Foundation	1982
14	4	Federation of American Scientists	1959
14	5	Franklin Institute	1952
14	6	Franklin Institute - Stuart Ballantine Medal	1952
14	7	National Inventors Hall of Fame	1974-1975
14	8	Washington State Historical Society Hall of Honor	1981
14	9	Historical Library and Museum of Science and Technology	1957
14	10	International Conference on the Unity of the Sciences (ICUS)	1978-1981
14	11	ICUS & Reverend Sun Myung Moon	1975-1976
14	12	Institute of Electrical and Electronics Engineers Awards	1981
14	13	International Union of Pure and Applied Physics (IUPAP)	1968-1973
14	14	International Union of Pure and Applied Physics 50th anniversary	1972
14	15	International Union of Pure and Applied Physics, General Information and Report of the General assembly	1963
14	16	International Union of Pure and Applied Physics	1965
14	17	USA National Committee of International Union of Pure and Applied Physics	1965-1969

Container(s)	Description	Dates
14 18	Joint Center for Graduate Study Advisory Committee	1973
14 19	Land Grant College Dinner	1961
14 20	Museum of Science and Industry – Nobel	1980
14 21	National Academy of Sciences	1965-1971
14 22	National Academy of Sciences – Members Directory	1981
14 23	National Academy of Sciences Pamphlets	1970-1982
14 24	National Academy of Sciences	1974
14 25	National Academy of Sciences	1975 – 1977
14 26	National Academy of Sciences	1979
14 27	National Science Foundation	1980
14 28	Portland Rotary Club	1966
14 29	John Scott Medal clippings	1955
14 30	Semiconductor Equipment and Materials Institute (SEMI)	1977
14 31	Sigma Xi	1966-1970
15 1	Stoics 1	1966-1977
15 2	Stoics 2	1962-1966
15 3	Stoics 3	1962-1964
15 4	Walla Walla Chamber of Commerce Award - Clippings	1957
15 5	Bell Advancement	1964
15 6	Bell Telephone Laboratories Press Releases with Photographs	1954
15 7	Bell Laboratories Publications	1948-1983

Container(s)		Description	Dates
15	8	Bell Laboratories News 1	1968-1982
15	9	Bell Laboratories News 2	1962-1975
15	10	Fortune	1958
15	11	Magazine Articles about Walter Brattain	1956-1968
15	12	Battelle Memorial Institute	1969-1972
15	13	Official Transcript Nobel Conference Proceedings – Shaping the Future	1971
15	14	Convocation of Nobel Laureates	1981
15	15	Nobel Announcement	1956
15	16	Nobel Dedication	1963
15	17	Nobel Laureates White House Dinner	1962
15	18	Nobel Photo – Prized Minds	undated
15	19	"Nobel Prize for Physics"	1956
15	20	Reproduction of Alfred Nobel's Signature	undated
15	21	Swedish Newspaper Clippings for Nobel Awards	1956
15	22	Alexander Dees De Sterio, Nobelpreistrager in Lindau	1964
15	23	Erich Bagge, Die Nobelpreistrager der Physik	1964
15	24	Alexander Dees De Sterio, Nobel fuhrte sie zusammen Begegnungun in Lindau, signed by Walter Brattain	1975
16	1	Scrapbook Album, Texas Instruments Dedication, Walter Brattain Honored Guest	1958
16	2-4	Scrapbooks, Retirement from Bell Labs, 3 Volumes	1967

Container(s)		Description	Dates
45	3	Naval Research Advisory Committee certificate of membership	1960
45	4	Life magazine article: Nobel Winners at White House Dinner	1962
45	8	Diplomas, Certificates and Awards	1917-1984

3: Reference Materials, 1860-1989

6 linear feet

This series consists of science articles and subject files collected by Walter Brattain, reflecting his professional and personal interests. Some files also contain related correspondence.

Container(s)		Description	Dates
Box	Folder		
16	5	Robert E. Ackerman, "Report to National Academy of Sciences: Senior Scientist Exchange Program to the U.S.S.R."	undated
16	6	Artificial Heart Program	1966
16	7	Astronomy articles	1964-1967
16	8	Auroral Plasma Experimental Papers	1977
16	9	Basic Constants	undated
16	10	Hanford 200 Bev accelerator	1965-1970
16	11	"Bioelectric Control of Bioluminescence in the Dinoflagellate Noctiluca"	1965
16	12	C.G.B. Garrett, "Surface Thermodynamics"	undated
16	13	Benjamin Brown, Whitman College professor	1981
16	14	Tektronix, "A Practical Approach to Transistor and Vacuum Tube Amplifiers"	1967

Container(s)		Description	Dates
16	15	"Conductance of the Sodium Channel in Myelinated Nerve Fibers with Modified Sodium Inactivation"	1976
16	16	"The Work Required to Remove an Electron from a Conducting Sphere"	undated
16	17	Cordiner Hall Acoustics	1965-1972
16	18	Copper Oxide Material	1969-1976
16	19	Student Dissent	1969
16	20	DNA	1961-1964
16	21	Drell Report – Arms Control	1977
16	22	"Drugs and Transport Processes"	undated
16	23	Earth Weighing Machine, including photograph	undated
17	1	Ecological Crises Readings	1965-1970
17	2	Ecology Copies	1975-1976
17	3	"The Electrical Activity of the Nervous System"	1964
17	4	Energy and Ecology, including notes by Brattain	1967-1975
17	5	Energy Per Bit	1970
17	6	Energy Policy	1977
17	7	Environment	1969-1973
17	8	Genetic Codes	undated
17	9	Germanium	1961-1966
17	10	Hodgkin – Huxley articles	1952
17	11	"Ion Transport Across the Lipid Membranes: A Critical Discussion of Mechanism in Selected Systems"	1972

Container(s)	Description	Dates
17 12	"Ion Transport Through Excitability-Inducing Material (EIM) Channels in Lipid Bilayer Membranes"	1972
17 13	Karl Jansky—search for intelligent life, photographs of Bell Laboratories	undated
17 14	"Schottky's Theories of Dry Solid Rectifiers"	1944
17 15	Professor Sergey Kalashnikov, exchange visit to Walla Walla	1967
17 16	"Kinetic Characteristics of the Excitability- Inducing Material Channel in Oxidized Cholesterol and Brain Lipids Bilayer Membranes"	1975
17 17	"Kinetics of the Opening and Closing of Individual Excitability- Inducing Material Channel in a Lipid Bilayer"	1974
17 18	Benjamin Brown, A Little Astronomy pamphlet	1927
17 19	A. H. Madjid Articles – Crystals	1972
17 20	"The Logic of Measurement in Quantum Physics"	undated
17 21	Metallurgy	1948, 1970
17 22	"Molecular Model-Potentials: Combination of Atomic Boxes"	undated
17 23	Mueller and Rudin—Bimolecular Lipid Membranes	1962-1976
17 24	"The Nature of the Negative Resistance in Bimolecular Lipid Membranes Containing Excitability-Inducing Material"	1970
17 25	The Nature of Science	1976
17 26	National Geographic article: "Those Inventive Americans," including section on transistor	1970-1971
17 27	Pacific Science Center	1979-1980
17 28	Plate Tectonics	1961-1971

Container(s)	Description	Dates
17 29	Research in Science Education	1978-1980
17 30	"Resting Potentials, Action Potentials, and Potassium Selectivity in Experimental Bimolecular Lipid Membrane"	1966, 1980-1981
17 31	Science Articles	1970-1973
17 32	Benjamin Brown, "Seeing Walla Walla First"	undated
17 33	Semiconductor Bibliography	1945
17 34	Solid-State Physics History	1979
17 35	"Stability of the Myelin Membrane"	1965
17 36	Benjamin Brown, "The State-line Earthquake at Milton and Walla Walla"	1936
17 37	Thermistor Bolometers	1946
17 38	Thermistor Reports	1947
17 39	Thermistor – High Speed	1946
17 40	Time Charts	undated
17 41	Tungsten	1925-1927
18 1	John Bardeen Biography of Walter Brattain	1989
18 2	Biographical and Bibliographical Information	1945-1981
18 3	Biography	undated
18 4	Current Biography – Who's News and Why	1957
18 5	New Book of Knowledge Articles (Biography & Discovery of the Transistor)	1947-1978
18 6	Who's Who Biography	1974-1981
18 7	Campbell Gay - story	undated

Container(s)		Description	Dates
18	8	Foreign Clippings	1956-1971
18	9	Nobel Articles (not related to Brattain)	1978, undated
18	10	A Nobel Laureate and his Nobel Laureate Friends	1977
18	11	Personal News	1958
18	12	Post Nobel Articles about Brattain	1955-1960
18	13	Post – Nobel News	1961-1977
18	14	Post – Retirement Research and Opinions	1959-1979
18	15	Recent Visitors to the Laboratories	1955
18	16	Rock&Roll Regret	1980
18	17	Alumni Funds	1978-1979
18	18	Alumni Funds	1980
18	19	Drive for Brown Chair of Physics	1957
18	20	Faculty – Governing Boards Conference	1966
18	21	Four Horsemen Reunion	1974
18	22	Retirement to Whitman - Clippings	1967
18	23	Small College Promotion	1971
18	24	Tributes to Brown	1967
18	25	Trustees and Overseers	1968-1976
18	26	Whitman College Alumni Association Appreciation Awards	1980
18	27	"Whitman Scientists" – address by William Fairbank	1981
18	28	Why Whitman?	1958-1979

Container(s)	Description	Dates
18 29	Amoy Club Rulebooks	1898, 1902
18 30	John Bardeen	1968
18 31	John Bardeen Biography, Encyclopedia Americana	1965
18 32	Brattain School article and photographs	undated
18 33	Harold Brown Inaugural Address	1969
18 34	Bulletin of the College of Engineering National Chiao Tung University	1971 – 1972
18 35	Census of Lane County Oregon	1860
18 36	Colleagues' Addresses	undated
18 37	College Related Clippings (not Whitman)	1952-1964
18 38	Electoral College	1969
18 39	"40 and 20 Years Ago in the Record"	1968
18 40	Harvard	1952, 1962
18 41	High School Students	1962
18 42	"History of Inventions"	undated
18 43	History of Physics Center	1971
18 44	International Project in the History of Solid State Physics	1983
18 45	Invitation to Help Fund an International Council for Scientific Development	1982
18 46	James Killian Address	1961
18 47	Key Reporter	1981
18 48	Miscellaneous Articles	1954-1980

Container(s)		Description	Dates
18	49	Naval Research Reviews	1981
18	50	"Night of the One-Eyed Devils"	undated
18	51	China Tour and Presentation	1979
18	52	Recruiting	1955
18	53	The Science Fair Story of Electronics	1983
18	54	Scientific Source Materials: A Note on Their Preservation	1963
18	55	Scientists Obituaries	1960-1981
18	56	A Selection of Manuscript Collection at American Repositories	1969
18	57	Maria Stern Transcript	1974
18	58	"Time" Article on Invention	1960
18	59	University of Minnesota Clippings	1957-1977
18	60	University of Oregon	1976
18	61	Walla Walla Chamber of Commerce	1956-1961
18	62	The Widening Circle	1958
18	63	William Jewell College	1977-1979
19	1	The Transistor: Selected Reference Material on Characteristics and Applications	1951
19	2	"Transistron = Transistor Plus?"	1950
19	3	Education and Science Articles	1974-1978
19	4	Technology Review	1981-1982
19	5	Vacuum Tubes	1915-1920

Container(s)	Description	Dates
19 6	Ling Wei Articles	1972-1973
19 7	Bell Telephone Laboratories, Electron Tubes and Varistors	undated
19 8	National Academy of Sciences	1964-1982
19 9	The White House	1979
19 10	Register of Ph.D. Degrees, University of Minnesota, 1888-1938	1939
19 11	P.J. Boddy Articles	1966, undated
19 12	Physics Today Special Issue: John Bardeen	1992
19 13	C.J. Davisson and L.H. Germer articles	1922-1928
19 14	Translated Articles	1938-1964
19 15	Neils Bohr Articles	1963
19 16	Materials Submitted to Franklin Mint Researcher	1982
19 17	Lillian Hartmann Hoddeson Essays	1978-1980
19 18	Reprinted Science Articles	1921-1967
19 19	Physics Today – 50 Years of Physics in America	1981
19 20	Moran School Pamphlets	1914-1920
19 21	Bell Laboratories Record	1938, 1941, 1983
19 22	Benjamin Brown – Oersted Medal	1937-1950
19 23-24	Benjamin Brown Fund	1956 – 1977
20 1	Bell Telephone System Technical Publications	1925-1938
20 2	International Union of Pure and Applied Physics newsletters	1967-1968

Container(s)	Description	Dates
20 3	Science: American Association for the Advancement of Science	1976-1977
20 4	Clippings from Scientific Magazines	1967-1981
20 5	Scientific Pamphlets	1930-1976
20 6	Adventures in Experimental Physics, vol. 5	1976
20 7	Electronics: Special Commemorative Issue, vol. 53, no. 9	1980
20 8	10th International Conference on the Physics of Semiconductors, Extended Abstracts	1970
20 9	C.L. Peterson, "Properties of Linear Active Four-Poles: Applications to Transistors"	1948
20 10	NBC Television Network, "The Story of Continental Classroom"	undated
20 11	Bell Telephone Laboratories, "Some Contributions to Transistor Electronics"	1949
20 12	Congers Herring and M.H. Nichols, "Thermionic Emission"	undated
20 13	Cinquante Ans Avec Le Progres, copy specially printed for Walter Brattain	undated
20 14	"Lectures on Statistical Mechanics"	undated
20 15-17	Collected Stoic Papers, Volumes XVIII, XIX, AND XX	1951-1961
20 18	Scientific Publications	1976-1983
21 1	Bell Telephone System Monographs	1946-1965
21 2	Hunger in the World, Resolution Signed by Nobel Winners	1981
21 3	"The Science Fair Story of Electronics," Radio Shack Educational Comic Book	1982
21 4	"Transistors: Fundamentals for the Integrated-Circuit Engineer"	1983

Container(s)	Description	Dates
21 5	"Progress in Electronics" envelopes and stamps, first day of issue	1973
21 6	Walla Walla League of Women Voters publications	1962-1974
21 7	Historical Clippings	undated
21 8	Clippings about Walter Brattain	1956-1987, undated
21 9-11	Whitman College Alumni/Faculty Files on Walter Brattain	1955-1987, undated

4: Photographs, 1920-1981

1.7 linear feet

Photographs document Walter Brattain's activities as a student, teacher, and scientist.

Container(s)	Description	Dates
	1: Glass Lantern Slides	1956, undated
Box	Folder	
22 1-11	Electronic Schematics	undated
22 12-22	Nobel Ceremony	1956
22 23-24	Graphs and Geological Illustrations	undated
	2: Prints and Negatives	1920-1981
Box	Folder	
23 1	Portraits of Walter Brattain – small prints	undated
23 2	Portraits of Walter Brattain – large prints	undated
23 3	Portraits of Walter Brattain - negatives	undated
23 4	Four Horsemen of Physics: Walter Brattain, Walker Bleakney, Vladimir Rojansky, and E.J. Workman	1924-1974, undated

Container(s)	Description	Dates
24 1	College Scenes	1920-1976, undated
24 2	Whitman College	1920-1978, undated
24 3	Teaching and Lectures	1955-1973, undated
25 1	Laboratory Scenes	1929-1979, undated
25 2	Time, Inc. Photographs of Walter Brattain	1964
25 3	Transistor Invention	undated
25 4	Nobel Award Ceremony	1956
26 1	Awards and Celebrations	1971-1981, undated
26 2	Conferences	1950-1979, undated
27 1	Naval Research Advisory Committee	1961-1967
27 2	Gatherings and Colleagues	1960-1981, undated
45 7	Photographs and Posters of Walter Brattain and Collaborators at Bell Telephones	undated

5: Audio and Video Recordings, 1960-1979, undated

1.8 linear feet

Recordings include interviews and presentations about Walter Brattain, as well as other materials collected by him.

Container(s)	Description	Dates
Box		
28	Vinyl Recordings – Oral Reminiscences of Nobel Ceremony	undated

Container(s)	Description	Dates
28	2 Tape Cassettes – Walker Bleakney Retirement Dinner	1969
28	Tape Cassette – Visit with Leonard Woodcock	1979
28	Tape Cassette – Escape From Russia (1917), A Personal Account by Vladimir Rojansky	February 1972
28	Tape Cassette – George Castille Lecture	undated
28	Videocassette – "To Communicate is the Beginning"	undated
28	2 Videocassettes – Walter Brattain, Institute of Electrical and Electronics Engineers (IEEE)	1978
28	Reel-to-Reel Tape: "Interview with the Inventors of the Transistor," transcript included	undated
28	16 mm Film – National News: "Impact of Transistor – 25 Years!"	undated
28	16 mm Film – Science World: "Silver Anniversary for Transistors!"	undated
29	Film Roll and Pamphlets – "Walter Brattain on Semiconductor Physics"	undated
47	Unprocessed audiovisual records .5 linear feet(1 box)	circa 1960 - 1972

6: Medals and Artifacts, 1924-1987

5.7 linear feet

Recordings include interviews and presentations about Walter Brattain, as well as other materials collected by him.

Container(s)	Description	Dates
Box		
30	Nobel Prize Personal Diploma	1956
30	Dictionary of International Biography Illustrated Plaque	1979

Container(s)	Description	Dates
30	Wooden Plaque – Photographs of Walter Brattain, Walker Bleakney, E.J. Workman, and Vladimir B. Rojansky	1924-1974
30	Naval Weapons Center Advisory Board Plaque	1967-1968
30	Seattle World's Fair Bell Telephone Exhibit	1962
30	National Academy of Sciences Centennial Medal	1963
30	National Classical Music Institute Medallion, South Korea	1973
30	Seoul National University Wooden Medallion	undated
30	Seoul High School Visit Cloth Banner	1973
30	National Association of State Universities and Land-Grant Colleges Medal	1987
30	50 Years of Electronics Commemorative Coin Plaque	1980
30	Columbia University World War II – For Participation in the Work of the Division of War Research (metal plaque)	undated
31	Sigma Pi Sigma National Physics Honor Society Membership Certificate, William Jewell College	1979
31	Certificate of Life Membership in the Telephone Pioneers of America	undated
31	Sigma Pi Sigma Honorary Membership Plaque	1979
32	"Cernunnos," by Holly Sweeney (made out of semiconductor equipment and materials)	1977
33	One of the First Radium Tubes for Inserting in Cancerous Tissue	undated
33	Pieces of Experiment Element (piece of "yellowcake" removed November 2008 and given to faculty member of Whitman College)	undated
33	Transmitter	undated

Container(s)	Description	Dates
46	John Scott Medal	1954
46	Nobel Prize Medal	1956

7: Family Histories, 1911, undated

0.2 linear feet

This series includes genealogical and historical information gathered about the Brattain and Houser families.

Container(s)	Description	Dates
Box	Folder	
34	1 Brattain Family History	undated
34	2 Brattain Family Genealogy	undated
34	3 "Journal of the Oregon Trail" by Lafayette Spencer, mentions Paul Brattain	undated
34	4 Agnes McCalley Brattain's Story	undated
34	5 Frances Brattain Worthington's Story	undated
34	6 Spokesman-Review article about Houser family flour mill at Colville	1911

8: Correspondence, 1896-1987

1.8 linear feet

Family correspondence has been sorted by family member, encompassing both incoming and outgoing letters. Some overlap exists with correspondence between family members, which has been filed under the sender's name when possible. Emma Jane, Keren, Ross and Otilie, and Walter Brattain are major correspondents in this series.

Container(s)	Description	Dates
Box	Folder	
34	7 From Agnes Brattain to Family	1920-1942
34	8 From Emma Jane to Walter Brattain	1960-1961

Container(s)	Description	Dates
34 9	From Emma Jane to Walter Brattain	1962
34 10	From Emma Jane to Walter Brattain	1963-1965
34 11	Cards and Letters to Emma Jane Brattain	1962-1979
34 12-13	Cards and Letters to Emma Jane Brattain re: Walter Brattain's Death	1987
34 14	From Keren to Walter Brattain	1934-1935
34 15	From Keren Brattain to Family	1935-1939
34 16	From Keren Brattain to Family	1940-1949
34 17	From Keren Brattain to Family	1950-1953
34 18	To Keren Brattain from Family	1921-1938
34 19	Otilie Brattain: Outgoing Correspondence (From China)	1896, 1901-1902
34 20	Otilie Brattain: Outgoing Correspondence	1905-1910
34 21	Otilie Brattain: Outgoing Correspondence	1913-1919
34 22	Otilie Brattain: Outgoing Correspondence	1925, 1928-1929
34 23	Otilie Brattain: Outgoing Correspondence	1942, 1954-1957
35 1	Ross Brattain: Outgoing Correspondence (From China)	Ross Brattain: Outgoing Correspondence (From China)
35 2	Ross Brattain: Outgoing Correspondence	1904-1921
35 3	Ross Brattain: Outgoing Correspondence (From China)	1924
35 4	Ross Brattain: Outgoing Correspondence	1926-1947
35 5	Ross Brattain: Outgoing Correspondence (From Orogrande, Idaho)	1942-1956

Container(s)	Description	Dates
35 6	Ross Brattain: Outgoing Correspondence (From Mercer Island)	1942-1960
35 7	Ross and Otilie Brattain: General Correspondence (In China)	1902
35 8	Ross and Otilie Brattain: Incoming Correspondence	1901-1904
35 9	Ross and Otilie Brattain: Incoming Correspondence	1905-1906
35 10	Ross and Otilie Brattain: Incoming Correspondence	1907-1908
35 11	Ross and Otilie Brattain: Incoming Correspondence	1909-1910
35 12	Ross and Otilie Brattain: Incoming Correspondence	1911-1915
35 13	Ross and Otilie Brattain: Incoming Correspondence	1916-1927
35 14	Ross and Otilie Brattain: Incoming Correspondence	1928-1935, 1956
35 15	From Walter Brattain to Family	1915-1923
35 16	From Walter Brattain to Family	1926-1928
35 17	From Walter Brattain to Family	1929-1934
35 18	From Walter Brattain to Family	1935-1942
35 19	From Walter to Keren Brattain	1934-1935, 1939
35 20	From Walter to Otilie Brattain re: Transistor	1948
35 21	Walter Brattain Personal Correspondence	1922-1957, undated
35 22	Correspondence re: Walter Brattain and Emma Jane Miller Wedding	1958
35 23	Letters from Brattain Relatives	1903-1941

Series 9.: Family Personal Papers, 1897-1989

0.8 linear feet

Walter Brattain family papers, 1860-1990
<http://archiveswest.orbiscascade.org/ark:/80444/xv72175>

Personal papers include writings and other documents generated or collected by Emma Jane, Ross, and other family members.

Container(s)		Description	Dates
		1: Emma Jane Brattain	1946-1989
Box	Folder		
36	1	Advertisements and Ephemera	1946-1964, undated
36	2	Alaska Trip	1976
36	3	Booklets and Calendars	1952-1984, undated
36	4	Fifty-Year-Plus News Research Files	1988-1989
36	5	Rogers Walla Walla Canning Company/ Country Gardens Inc. Records	1966-1967
36	6	Roland Miller Papers	1951-1954
36	7	Walla Walla Symphony Society	1973 - 1976
		2: Ross Brattain	1901-1985
Box	Folder		
36	8	Spokane High School Class Roll	undated
36	9	Marriage Certificate of Ross and Otilie Brattain	1901
36	10	Chinese Consul Appointment	1902-1906
36	11	Stock Certificates	1905-1912
36	12	Orogrande Mine Records	1942-1957
36	13	Writings and Reminiscences	1958-1985, undated
36	14	Family History Research	undated

Container(s)	Description	Dates
36 15	Wagon Wheel Blood, typed manuscript	undated
36 16	Wagon Wheel Blood, excerpts and corrections	undated
36 17	Wagon Wheel Blood, corrected manuscript	1979
36 18	Wagon Wheel Blood, part one	undated
36 19	Wagon Wheel Blood, part two	undated

3: Other

1897-1964

Box Folder

36 20	Brattain Family Quit-Claim Deeds and Land Patents	1916-1936
36 21	Ottillie Houser, Whitman College report card	1897
36 22	Walter Brattain, Selective Service Notices of Classification	1942-1943
36 23	Planners and Notes	1951-1964

10: Photographs, 1900-1904, 1950-1979, undated

2.6 linear feet

Glass lantern slides document vivid scenes of daily life in China, including people, boats, temples, and landscapes. These slides were probably taken during Ross and Ottillie Brattain's time as missionaries there from 1901 to 1904. Prints and negatives include images of Brattain family members and travel scenes.

Container(s)	Description	Dates
	1: Glass Lantern Slides	circa 1901-1904
Box Folder		
37 40	140 Glass Lantern Slides	circa 1901-1904
	2: Prints and Negatives	1900-1904, 1950-1979, undated

Box Folder

Container(s)	Description	Dates
41 1	Portraits	undated
41 2	Photo Album Pages	undated
42	Travel and Leisure	1950-1979, undated
	Folder	
43 1	Family History Research	1900, undated
43 2	R. Robert Brattain Photographs	1901-1902, undated
43 3	Ross Brattain Photographs	undated
43 4	Negatives	undated
44 4	11 Glass Plate Negatives – China	circa 1901-1904
45 5	Sports Team Photographs	1901

11: Artifacts and Clippings, 1901-1990

2 linear feet

This series includes clippings about the Brattain family. A flour sack from the Tonasket Mill rounds out the series.

Container(s)	Description	Dates
Box	Folder	
45 6	Tonasket Mill Flour Sack	undated
36 24	Clippings: The Brattain Family	1901-1975
36 25	Clippings: Walter Brattain's Death	1987
36 26	Emma Jane Brattain: Memorial Service and Obituary	1990

Names and Subjects

Personal Names :

Bleakney, Walker
Brattain, , R. Robert
Brattain, Agnes
Brattain, Emma Jane Miller
Brattain, Keren
Brattain, Otilie
Brattain, Ross R.
Brattain, Walter H. (Walter Houser)
Brattain, William
Rojansky, Vladimir

Corporate Names :

Bell Telephone Laboratories
Bell Telephone Laboratories

Andreea Coca, Colleen McFarland, Janet Mallen, and Emi Hastings
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