
Finding Aid to the Robert Bigham Brode papers, 1922-1975

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Collection number: BANC MSS 98/71 c

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Collection Summary

Collection Title: Robert Bigham Brode papers

Date (inclusive): 1922-1975

Collection Number: BANC MSS 98/71 c

Creator: Brode, Robert B. (Robert Bigham)

Extent: 10 cartons, 1 cardbox, 1 oversize folder (13 linear feet)

Repository: The Bancroft Library.

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Abstract: The Robert Bigham Brode papers including correspondence, course materials, notebooks, administrative files and artifacts.

Languages Represented: Collection materials are in English

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Preferred Citation

[Identification of item], Robert Bigham Brode papers, BANC MSS 98/71 c, The Bancroft Library, University of California, Berkeley

Alternate Forms Available

There are no alternate forms of this collection.

Indexing Terms

The following terms have been used to index the description of this collection in the library's online public access catalog

Brode, Robert B. (Robert Bigham)

Physicists -- California -- Berkeley.

Berkeley (Calif.)

Faculty papers.

Acquisition Information

Donated by Physics Department, U.C. Berkeley in 1997.

Accruals

No additions are expected.

Processing Information

Processed by Mario H. Ramirez

Biographical Information

Among one of the first individuals to be conferred a PhD in Physics from the California Institute of Technology in 1924, Robert Bigham Brode had an illustrious career that included receiving a Rhodes Scholarship, a National Research Fellowship, a Guggenheim Fellowship and a Fulbright Fellowship. One of triplets born in 1900 in Walla Walla, WA (Wallace was a chemist and Malcolm was a biologist), he earned his bachelor's degree from Whitman College, where his father was a biology professor, in 1921. His early research concerned the structural similarities in the external electrons of molecules such as nitrogen and carbon monoxide. Brode taught at U.C. Berkeley from 1927 until 1967, and focused his research primarily on cosmic rays. From 1942-1946, he worked at the Applied Physics Laboratory at Johns Hopkins University and the Los Alamos Laboratory in New Mexico. At the latter, Brode was in charge of the "fusing group" on the Manhattan Project.

Scope and Content of Collection

The Robert Bigham Brode papers, 1922-1975, contain correspondence, administrative files, notebooks, organizational files, writings, course materials, publications and artifacts that document his career at U.C. Berkeley, his extensive professional commitments and notable research on cosmic rays. Highlights of the collection include extensive files on Brode's participation in such groups as the American Institute of Physics and their Committee on Physics Faculties in Colleges, the American Association of Physics Teachers and the Bureau of Educational and Cultural Affairs of the Department of State. In addition, the photographs chronicle many of Brode's experiments and the declassified files included provide some insight into his contributions to the war effort in the 1940s.

carton 1, folder 1-17 Series 1: **Correspondence, undated, 1930-1967**

Series 2: **Course Materials, undated, 1926-1961**

carton 1, folder 18-23 **Physics 1A, undated, 1926-1939**

carton 1, folder 24-27 **Physics S1A, 1928-1937**

carton 1, folder 28-33 **Physics 1B, 1928-1946**

carton 1, folder 34 **Physics S1B, 1933, 1936, 1940**
carton 1, folder 35 **Physics 1C, 1928**

carton 1, folder 36	Physics 2A, 1941
carton 1, folder 37-41, carton 2, folder 1-5	Physics 107, undated, 1926-1940
carton 2, folder 6-17	Physics 110A, undated, 1928-1961
carton 2, folder 18-24	Physics 110B, undated, 1929-1961
carton 2, folder 25	Physics 110C, 1935
carton 2, folder 26-29	Physics 111A, 1926-1933
carton 2, folder 30	Physics 112, undated, 1939
carton 2, folder 31	Physics 121, 1941
carton 2, folder 32	Physics 8.201, undated, 1932
carton 2, folder 33	Physics 8-214, undated, 1928
carton 2, folder 34	Physics 207A, 1944
carton 2, folder 35	Physics 210A, 1946-1947
carton 2, folder 36	Physics 215A, undated, 1934-1939
carton 2, folder 37	Physics S-215, undated
carton 2, folder 38	Physics 219, undated, 1932
carton 2, folder 39	Physics 219A, undated, 1930
carton 2, folder 40-43	Physics 290, 1933-1941
carton 2, folder 44	General, 1953-1954

Series 3: **Notes, undated, 1930-1963**

carton 2, folder 45	Isotopes, undated, 1938
carton 2, folder 46	Conductivity in Solids, undated
carton 3, folder 1	Nature of Matter, undated, 1938-1940
carton 3, folder 2	Nature of Radiation, undated, 1938-1940
carton 3, folder 3	Wave Mechanics, undated
carton 3, folder 4	Atomic Structures, undated, 1938
carton 3, folder 5	Optical Spectra, 1936
carton 3, folder 6	X-Rays, 1936
carton 3, folder 7	Fermi Statistics, undated
carton 3, folder 8	Magnetism, 1936
carton 3, folder 9	Molecular Spectra, undated
carton 3, folder 10	Photo Electric, undated
carton 3, folder 11	Thermionic Emission, undated
carton 3, folder 12	Emission by Meta Stable, undated
carton 3, folder 13	Electron Optics, undated
carton 3, folder 14	Problem of Collision, Excitation and Ionization, undated, 1933
carton 3, folder 15	Space Change, undated, 1938
carton 3, folder 16	Glow Discharge, undated
carton 3, folder 17	Arc and Sparks, undated
carton 3, folder 18	Artificial Disintegration, undated
carton 3, folder 19	Cosmic Rays, undated
carton 3, folder 20	Modern Physics, undated
carton 3, folder 21	Positive Excess, undated
carton 3, folder 22	Proposal, Early Research, undated, 1963
carton 3, folder 23	Radiant Energy, undated
carton 3, folder 24	Teacher's Institute, 1935
carton 3, folder 25	Analysis of Field, Carnegie Magnet, undated
carton 3, folder 26	Upper Atmosphere, undated
carton 3, folder 27	Disintegration of Deutons, undated, 1930-1932
carton 3, folder 28	Physical Review Paper, Low Energy Mesotrons, undated, 1948
carton 3, folder 29	Magnet, undated, 1941
carton 3, folder 30	D&B, undated

carton 3, folder
31-32
carton 3, folder 33
carton 3, folder 34
oversize-folder 1

Miscellaneous, undated, 1939

Magnetic Field in Emulsion, undated
Shankland, Compton Effect, 1936
Charts and Diagrams, undated, 1932-1933

Series 4: **Writings, undated, 1924-1967**

carton 3, folder 35
carton 3, folder 36
carton 3, folder 37
carton 3, folder 38
carton 3, folder 39
carton 3, folder 40
carton 3, folder 41
carton 3, folder 42
carton 3, folder 43
carton 3, folder 44
carton 3, folder 45
carton 3, folder 46
carton 3, folder 47

The Heavy Particle Component of the Cosmic Radiation, 1936
The Mesotron, undated
A Determination of the Energy Spectrum of Cosmic Rays, 1935
Reprints, 1925-1935, 1967
Brode, Wallace, undated, 1950, 1964
Patten, Charles Gordon, The True Assorption Coefficient..., undated
The Qualitative Study of the Collisions of Electrons with Atoms, undated
Nakada, Minrou Paul, A Cloud Chamber Study of Neutral V-Particles, 1947
Chupp, Edward Lowell, A Study of Cosmic Ray Time Variations, 1950
Thesis, undated, 1924-1925
Nuclear Disintegrations Produced by Cosmic Rays, undated
Design and Characteristics of a Magnet for Cosmic Ray Cloud Chamber Studies, 1941
York, Carl, The Differential Range Spectrum of Cosmic Ray Mesons at Sea Level, 1951-1952

Series 5: **University, undated, 1927-1975**

carton 3, folder 48
carton 3, folder 49
carton 3, folder 50
carton 3, folder 51
carton 3, folder 52
carton 3, folder 53
carton 3, folder 54
carton 3, folder 55
carton 3, folder 56
carton 3, folder 57
carton 3, folder 58
carton 3, folder 59
carton 3, folder 60
carton 3, folder 61
carton 3, folder
62-69
carton 3, folder 70
carton 3, folder 71
carton 3, folder 72
carton 4, folder
1-5
carton 4, folder 6
carton 4, folder 7
carton 4, folder
8-9
carton 4, folder 10
carton 4, folder 11
carton 4, folder 12
carton 4, folder 13
carton 4, folder 14
carton 4, folder
15-18
carton 4, folder 19
carton 4, folder 20
carton 4, folder 21

Physics Building Progress, 1959
Full-Time Equivalent Graduate Student, 1964
Letters and Sciences, undated, 1965
Outline for Space Center at the University of California, Los Angeles, 1961
Use of University Name, 1963-1964
Department Committees, 1933-1934
Department of Physics, 1959-1975
Miscellaneous, 1961-1962
Fourth All-University Faculty Conference, 1949
Scholarship Grades, Fall Semester, 1950
Class Enrollment, Fall 1950, 1950
Space Committee, 1959-1960
Academic Freedom Committee, 1947, 1953
Appointment and Promotion Committee, 1949-1950
Budget Committee, undated, 1948-1951

Regent's Form, 1949
Retirement, undated
Grade Point Average, All University Departments, 1927-1928, 1934, 1949
Miscellaneous, undated, 1948-1965

University of California, Extension, 1960
Capital Improvements and Budgets, 1957
Committee on Foreign Language Requirements, undated, 1943, 1953-1954

Rebuttal, undated
Statistics, Association of American Universities, undated, 1953
Statistics, Science Courses, undated, 1953
Relations with Schools, 1951-1953
Letters and Sciences Student Survey, undated, 1953
Teaching Assistantships, 1946-1948

Student Research and Teaching Assistantships, 1946-1948
Research Students, undated
Preliminary Exam, undated, 1933-1937

carton 4, folder 22
carton 4, folder 23
carton 4, folder 24
carton 4, folder 25

Administrative, 1932, 1936, 1947
Department Talk, undated
Schools, 1934-1936
Inter-University Committee on Travel Grants, 1965
Series 6: **Organizations and Societies, undated, 1936-1968**

carton 4, folder 26-27
carton 4, folder 28-30, carton 5, folder 57-58
carton 4, folder 31-37, carton 5, folder 54-56
carton 4, folder 38-39, carton 6, folder 1-4
carton 4, folder 40
carton 4, folder 41
carton 5, folder 1-5
carton 5, folder 6-8
carton 5, folder 9-10
carton 5, folder 11-13
carton 5, folder 14
carton 5, folder 15
carton 5, folder 16
carton 5, folder 17
carton 5, folder 18
carton 5, folder 19
carton 5, folder 20
carton 5, folder 21
carton 5, folder 22
carton 5, folder 23
carton 5, folder 24
carton 5, folder 25-26
carton 5, folder 27
carton 5, folder 28
carton 5, folder 29
carton 5, folder 30
carton 5, folder 31-32
carton 5, folder 33-34
carton 5, folder 35
carton 5, folder 36
carton 5, folder 37
carton 5, folder 38-39
carton 5, folder 40
carton 5, folder 41
carton 5, folder 42
carton 5, folder 43
carton 5, folder 44

American Association for the Advancement of Science, 1948-1951
American Association of Physics Teachers, 1948-1965
American Association of University Professors, undated, 1945-1965
American Institute of Physics, 1946-1965
American Men of Science, 1949-1950
International Federation for Advancement of Science, 1950
American Physical Society, undated, 1937-1952
International Union of Pure and Applied Physics, 1949-1952
Kosmos Club, 1948-1949
National Academy of Sciences, 1947-1952
National Research Council, 1948-1952
National Science Foundation, 1951-1952
Optical Society of America, 1951
Sigma XI, Nominating Committee, 1950
University of Amsterdam, 1948
California Institute of Technology, 1950-1952
University of California, Los Angeles, 1936-1949
University of Chicago, 1940-1951
Columbia University, 1949-1951
Cornell University, 1946-1950
University of Denver, 1946-1948
Harvard University, undated, 1946-1951
University of Illinois, 1946-1951
University of Iowa, 1946
Johns Hopkins University, 1946-1951
Northeastern University, 1946-1948
The Physical Laboratories, 1938-1968
Massachusetts Institute of Technology, 1946-1951
University of Michigan, 1949-1950
University of Minnesota, 1949-1951
University of New Mexico, 1950-1951
New York University, 1948-1950
New York Academy, 1948
Ohio State, 1951
University of North Carolina, 1947-1948
Oxford University, 1949
Physics Today, 1949

carton 5, folder 45	University of Pittsburgh, 1948
carton 5, folder 46	Princeton University, 1947-1952
carton 5, folder 47	University of Rochester, 1948-1951
carton 5, folder 48	Scripps Institute of Oceanography, 1948
carton 5, folder 49	Stanford University, 1947-1951
carton 5, folder 50	University of Washington, 1948-1950
carton 5, folder 51	Whitman College and Whitman Museum, 1947-1950
carton 5, folder 52-53	Occidental College, 1962
carton 5, folder 59	AAAS Committee on Science in the Promotion of Human Welfare, 1964
carton 6, folder 5-20	Committee on Physics Faculties in Colleges, 1962-1965

Series 7: **Subject Files, undated, 1932-1969**

carton 6, folder 21	Abstracts, 1947-1950
carton 6, folder 22	Book Reviews, 1950
carton 6, folder 23-24	Book Publishers, 1946-1952
carton 6, folder 25	Bibliography, undated
carton 6, folder 26	Fulbright, 1951-1954
carton 6, folder 27	European Travel, 1949
carton 7, folder 1	Massachusetts Institute of Technology, Exam Problems, undated, 1932
carton 7, folder 2-3	Davis Conference, 1960
carton 7, folder 4	2nd International Conference on the Physics of Electronic and Atomic Collisions, 1961
carton 7, folder 5	Western Associates for Research in Radio Astronomy, undated, 1965
carton 7, folder 6	Nierenberg, William A., 1964
carton 7, folder 7	Fourth National Conference on Exchange of Persons, 1960
carton 7, folder 8	Certificates, 1943-1945
carton 7, folder 9	Seventh General Assembly of the International Council of Scientific Unions, 1955
carton 7, folder 10	Miscellaneous, 1951-1963
carton 7, folder 11	University Bulletin, 1959-1960
carton 7, folder 12	Air Pollution Medical Research Conference, 1959-1960
carton 7, folder 13	Office of Critical Tables, National Research Council, 1960-1961
carton 7, folder 14	Reports, 1947-1964
carton 7, folder 15	Publicity, 1949
carton 7, folder 16	President's Certificate of Merit, 1948
carton 7, folder 17	Conference Program and Report, 1952
carton 7, folder 18	Conferences, undated, 1959-1963
carton 7, folder 19	Board Meeting, National Science Board, 1959
carton 7, folder 20	Civil Liberties, undated, 1960-1961
carton 7, folder 21	Fulbright Fellowship, 1950-1951
carton 7, folder 22	Guggenheim Fellowship, 1933-1934
carton 7, folder 23	Blunk and Leisegang, 1950
carton 7, folder 24-35, carton 8, folder 1	Bureau of Educational and Cultural Affairs, Department of State, 1961-1965
carton 8, folder 2	Proceedings of the Fifth Inter-American Seminar on Cosmic Rays, Volume II, 1962
carton 8, folder 3	Publications, 1960-1961, 1964
carton 8, folder 4	Diagrams, undated, 1969
carton 8, folder 5-31	De-Classified Files, 1941-1942
carton 10, folder 11-12	Proceedings of the Moscow Cosmic Ray Conference, Volume I and III, 1960

Series 8: **Photographs, undated, 1924-1953**

carton 8, folder
57-59, carton 9,
folder 1-19, carton
10, folder 1-10

Series 9: **Notebooks, undated, 1922-1964**

Series 10: **Artifacts, undated**

cardfile-box 1,
item 1-2
cardfile-box 1,
item 3

Anti-Aircraft Triggers, undated

Pass, University of California Radiation Laboratory, undated