

Wallace R. Brode Papers

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Prepared by Harry G. Heiss

Collection Summary

Title: Wallace R. Brode Papers

Span Dates: 1901-1974

Bulk Dates: (bulk 1928-1969)

ID No.: MSS62000

Creator: Brode, Wallace R. (Wallace Reed), 1900-

Extent: 8,750 items ; 25 containers plus 1 classified ; 10 linear feet

Language: Collection material in English

Location: Manuscript Division, Library of Congress, Washington, D.C.

Summary: Educator, scientist, and government official. Correspondence, diaries, memoranda, speeches and writings, subject files, and other papers relating primarily to Brode's career in science and government.

Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

People

Astin, Allen Varley, 1904-1984.

Brademas, John, 1927-

Brode, Ione Sundstrom.

Brode, Robert B. (Robert Bigham), 1900-1986.

Brode, Wallace R. (Wallace Reed), 1900-1974.

Bronk, Detlev W. (Detlev Wulf), 1897-1975.

Bush, Vannevar, 1890-1974.

Douglas, William O. (William Orville), 1898-1980.

Duffendack, Ora S. (Ora Stanley) 1890-

Dulles, John Foster, 1888-1959.

Eisenhower, Dwight D. (Dwight David), 1890-1969.

Fawcett, Novice G.

Hernaiz, Angel.

Herter, Christian Archibald, 1895-1966.

Humphrey, Hubert H. (Hubert Horatio), 1911-1978.

Kohler, Foy D.

MacArthur, Douglas, 1880-1964.

McGovern, George S. (George Stanley), 1922-2012.

Mitchell, W. P.

Nauheimer, G. Francis.

Piret, Edgar L.

Pollack, Herman W.

Reynolds, Walter L.

Stanerson, B. R.

Weeks, Sinclair, 1893-1972.

Wolfle, Dael, 1906-2002.

Organizations

American Chemical Society.

Naval Ordnance Test Station (Inyokern, Calif.)

United States. Department of Commerce.

United States. Department of State.

United States. National Bureau of Standards.

United States. Office of Scientific Research and Development.

United States. War Department. Alsos Mission.

Subjects

Atomic bomb--Germany.
Colors.
Dyes and dyeing.
Indian textile fabrics--Southwest, New.
Indians of North America--Southwest, New.
Internal reflection spectroscopy.
Optics.
Rockets (Ordnance)--Research--California.
World War, 1939-1945--Science.

Places

United States--Politics and government--1953-1961.

Occupations

Educators.
Public officials.
Scientists.

Administrative Information

Provenance

The papers of Wallace R. Brode, educator, scientist, and government official, were given by his widow, Ione Sundstrom Brode, to the Library of Congress in 1986.

Processing History

The papers of Wallace R. Brode were arranged and described in 1996 and the finding aid revised in 2007.

Transfers

Items have been transferred from the Manuscript Division to other custodial divisions of the Library. A phonograph record has been transferred to the Recorded Sound Section of the Motion Picture, Broadcasting, and Recorded Sound Division. Maps have been transferred to the Geography and Map Division. Photographs have been transferred to the Prints and Photographs Division. Theater guides have been transferred to the Music Division. All transfers are identified in these divisions as part of the Wallace R. Brode Papers.

Copyright Status

The status of copyright in the unpublished writings of Wallace R. Brode is governed by the Copyright Law of the United States (Title 17, U.S.C.).

Access and Restrictions

The papers of Wallace R. Brode are open to research. Researchers are advised to contact the Manuscript Reading Room prior to visiting. Many collections are stored off-site and advance notice is needed to retrieve these items for research use.

Security Classified Documents

Government regulations control the use of security classified items in this collection. Manuscript Division staff can furnish information concerning access to and use of classified material.

Preferred Citation

Researchers wishing to cite this collection should include the following information: Container number, Wallace R. Brode Papers, Manuscript Division, Library of Congress, Washington, D.C.

Biographical Note

<i>Date</i>	<i>Event</i>
1900, June 12	Born, Walla Walla, Wash.
1921	B.S., Whitman College, Walla Walla, Wash.
1922	M.S., University of Illinois, Urbana-Champaign, Ill.
1923-1926	Chemist, National Bureau of Standards, Washington, D.C.
1925	Ph.D., University of Illinois, Urbana-Champaign, Ill.
1926-1928	Guggenheim fellow
1928-1948	Professor, Ohio State University, Columbus, Ohio
1936	Member, solar eclipse expedition
1941	Married Ione Sundstrom
1942-1944	Member, National Defense Research Committee
1942-1945	Member, War Metallurgy Committee
1944-1945	Head, liaison office, Office of Scientific Research and Development, Paris, France Member, Alsos mission
1945	Elected member, National Academy of Sciences
1945-1947	Head, Science department, Naval Ordnance Test Station, Inyokern, Calif.
1947-1958	Associate director, National Bureau of Standards, Washington, D.C.
1950-1960	Editor, <i>Journal of the Optical Society of America</i>
1951-1960	Director, American Chemical Society
1954-1957	Chairman, Science Research Society of America
1958	President, American Association for the Advancement of Science Member, President's Committee on Scientists and Engineers Member, board of governors, American Institute of Physics Recipient, Exceptional Service medal, Commerce Department Recipient, Applied Spectroscopy medal, Society of Applied Spectroscopy
1958-1960	Member, President's Science Advisory Committee Science advisor, State Department
1959	Chairman, board of directors, American Association for the Advancement of Science

1960	Member, U.S. Science Manpower Commission Recipient, Priestley medal, American Chemical Society
1960-1963	Member, board of governors, American Institute of Physics
1961	President, Optical Society of America
1961-1962	President, Sigma Xi
1965-1967	Foreign secretary, American Chemical Society
1974, Oct. 10	Died, Washington, D.C.

Scope and Content Note

The papers of Wallace Reed Brode (1900-1974) span the years 1901-1974, with the bulk of the material produced during the period from 1928 to 1969. The collection consists of personal and official correspondence, research files, and speeches and writings documenting Brode's career as a research chemist, university professor, science organization executive, and government science administrator. The papers are organized into the following series: [Correspondence](#), [Speeches and Writings](#), [Subject File](#), and [Classified](#).

The [Correspondence](#) series contains letters, memoranda, telegrams, and attachments and is arranged chronologically. The [Speeches and Writings](#) series includes typed, printed, or handwritten copies of speeches and writings by Brode, as well as related correspondence and research notes, all arranged by title. The [Subject File](#) contains awards, correspondence, currency samples, diaries, financial records, magazine articles, newspaper clippings, patents, personnel records, photographs, press releases, printed matter, research notes, social invitations, travel records, and other items arranged alphabetically by topic or type of material.

Significant correspondents represented in the papers include John Brademas, Robert B. Brode, Detlev W. Bronk, Vannevar Bush, William O. Douglas, Ora S. Duffendack, Novice G. Fawcett, Angel Hernaiz, Christian Archibald Herter, Hubert H. Humphrey, Foy D. Kohler, Douglas MacArthur, George S. McGovern, W. P. Mitchell, G. Francis Nauheimer, Edgar L. Piret, Herman W. Pollack, Walter L. Reynolds, B. R. Stanerson, and Dael Lee Wolfle.

The papers are particularly comprehensive in their coverage of Brode's tenure as director, 1951-1960, and foreign secretary, 1965-1967, of the American Chemical Society; associate director, 1947-1958, of the National Bureau of Standards; and science advisor, 1958-1960, to Secretary of State John Foster Dulles. There is considerable material concerning the dismissal of Allen Varley Astin as director of the National Bureau of Standards by Sinclair Weeks, secretary of commerce during the Eisenhower administration. In that episode Brode testified before Congress that the bureau had been under "terrific pressure" to approve a commercial battery additive which its tests had proved to have no value.

Some papers in the collection pertain to defense positions Brode held during World War II, particularly with the Office of Scientific Research and Development and the Alsos mission to collect information on enemy scientific research, especially atomic energy experimentation. Other defense-related files concern Brode's administrative and technical advisory positions in the rocket research laboratories of the Naval Ordnance Test Station at Inyokern, California, from 1945 to 1947.

Brode was one of triplet brothers, all of whom, like their father, Howard Stidham Brode, became professors of science. Papers documenting Brode's teaching career at Ohio State University, 1928-1948, are scant. His work as a chemist, however, is well represented by scientific publications, speeches, and research records. Brode was a recognized leader in the field of spectroscopy and applied optics, and most of his laboratory research and scientific publications, both at Ohio State and the National Bureau of Standards, pertain to steric effects in dyes and absorption spectra related to color and dyes. The collection also contains material about Brode's pioneering efforts to promote the use of molecular models with colored balls and wooden pegs as educational tools for representing the structure of organic molecules.

The collection includes material illustrating an avocational interest Brode and his wife, Ione "Sunny" Sundstrom, had in handcrafted rugs and Indian culture of the American Southwest. Brode was considered an expert on the dyestuffs and dying techniques used by native Americans.

Arrangement of the Papers

This collection is arranged in four series:

- [Correspondence, 1919-1971](#)
- [Speeches and Writings, 1924-1971](#)
- [Subject File, 1901-1974](#)
- [Classified, 1960](#)

Description of Series

<i>Container</i>	<i>Series</i>
BOX 1	<u>Correspondence, 1919-1971</u> Letters, memoranda, telegrams, and attachments. Arranged chronologically.
BOX 1-5	<u>Speeches and Writings, 1924-1971</u> Typed, printed, or handwritten copies of speeches and writings by Brode with related correspondence and research notes. Arranged alphabetically by title of speech or writing.
BOX 5-25	<u>Subject File, 1901-1974</u> Awards, correspondence, samples and proof sheets of international currency, diaries, financial records, magazine articles, newspaper clippings, patents, personnel records, photographs, press releases, printed matter, research notes, social invitations, travel records, and miscellaneous items. Arranged alphabetically by topic or type of material.
BOX CL 1	<u>Classified, 1960</u> Government classified documents. Arranged and described according to the series, containers, and folders from which the items were removed.

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BOX 1	"Address to Welcome Illuminating Engineering Society," 1950-1951
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BOX 3	"Governmental Concerns and Interests in Our National Standards Work," 1964
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BOX 3	"Harvey W. Wiley and Our National Science Policy," 1960-1964
BOX 3	"H" miscellaneous, 1957, 1968, undated
BOX 3	"International Collaboration among Scientific Societies Concerning Scientific Information," 1966, undated
BOX 3	"International Implications of the Development of Science and Technology," 1959
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BOX 3	"I-L" miscellaneous, 1936-1941, 1949-1954, 1961-1969, undated
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Speeches and Writings, 1924-1971

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BOX 4	"P-Q" miscellaneous, 1934-1936, 1946-1964, 1970, undated
BOX 4	"R. Bowling Barnes," 1955, undated
BOX 4	"Relation between Color and Chemical Constitution," 1952, undated
BOX 4	"Report of the Sub-committee on the Nomenclature of Isotopically Labeled Organic Compounds," 1952
BOX 4	"The Requirements of Science Are Limited," 1962, undated
BOX 4	"Responsibilities for the Support of Research and Education," 1957-1958
BOX 4	"R" miscellaneous, 1928-1962, undated (2 folders)
BOX 4	"Science and the Press," 1961
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BOX 5	"70-V" miscellaneous, 1924-1970, undated (4 folders)
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BOX 5-25	Subject File, 1901-1974 Awards, correspondence, samples and proof sheets of international currency, diaries, financial records, magazine articles, newspaper clippings, patents, personnel records, photographs, press releases, printed matter, research notes, social invitations, travel records, and miscellaneous items. Arranged alphabetically by topic or type of material.
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