Collection Summary
Title: Edward Lindley Bowles Papers
Span Dates: 1869-1990
Bulk Dates: (bulk 1920-1982)
ID No.: MSS67993
Creator: Bowles, Edward Lindley, 1897-1990
Extent: 32,200 items ; 92 containers plus 1 classified ; 36.8 linear feet
Language: Collection material in English
Location: Manuscript Division, Library of Congress, Washington, D.C.
Summary: Inventor, engineer and educator. Correspondence, memoranda, diaries, manuscripts, speeches, transcripts of recorded recollections, reports, minutes, subject files, notes, legal documents, printed material, photographs, and other papers relating primarily to Bowles's career as an engineer and consultant in private industry and in government, his association with research universities, and work relating to the securing and defense of patents.

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
Adams, Charles F. (Charles Francis), 1866-1954--Correspondence.
Alexanderson, Ernst Fredrik Werner, 1878-1975.
Arnold, Henry Harley, 1886-1950--Correspondence.
Bowen, Harold Gardiner, 1883-1965--Correspondence.
Bowles, Edward Lindley, 1897-1990.
Bush, Vannevar, 1890-1974--Correspondence.
Calosi, Carlo Luigi, 1905-1997--Correspondence.
Campbell, George A. (George Ashley), 1870-1954. George A. Campbell papers.
Draper, C. S. (Charles Stark)
Guillemin, Ernst A. (Ernst Adolph)
King, Ernest Joseph, 1878-1956.
Loomis, Alfred L. (Alfred Lee), 1887-1975--Correspondence.
Nicholson, Alexander McLean.
Rines, David, 1884-1978.
Stratton, Julius Adams, 1901-1994--Correspondence.
Watson-Watt, Robert Alexander, Sir, 1892-1973--Correspondence.

Organizations
Bell Telephone Company.
Bentley College.
Kodály Musical Training Institute.
Massachusetts Institute of Technology.
Massachusetts Institute of Technology. Round Hill Research Division.
Massachusetts Institute of Technology. School of Industrial Management.
Project Rand (United States. Air Force)
Radio Corporation of America.
Rand Corporation.
Raytheon Company.
Raytheon Company. Submarine Signal Division.
Samson Electric Company.
Sloan School of Management.
Sperry Gyroscope Company, inc.
Stockton Profile Gauge Corporation.
United Artists Corporation.
United States. Department of Defense.
United States. War Department.
White Consolidated Industries.
Whitin Machine Works (Whitinsville, Mass.)

Subjects
Anti-submarine warfare.
Electrical engineering--Study and teaching.
Electrical engineering.
Military research.
Military weapons.
Patents.
Radar.
Strategy.
Telephone systems.
Television frequency allocation.
Torpedoes.
Universities and colleges--Massachusetts.
World War, 1939-1945.

Places
Westphalia (Mo.)--Social life and customs.

Occupations
Educators.
Engineers.
Inventors.

Administrative Information

Provenance
The papers of Edward Lindley Bowles, inventor, engineer and educator, were given to the Library of Congress by him in 1972 and 1988-1989. An addition was received from a family member in 1992.

Processing History
The collection was processed in 1993. The finding aid was revised in 2010.
Transfers

Sound and video recordings have been transferred to the Library's Motion Picture, Broadcasting, and Recorded Sound Division where they are identified as part of these papers.

Copyright Status

Copyright in the unpublished writings of Edward Lindley Bowles in these papers and in other collections of papers in the custody of the Library of Congress has been dedicated to the public.

Access and Restrictions

Restrictions apply governing the use, photoduplication, or publication of items in this collection. Consult a reference librarian for information concerning these restrictions.

Security Classified Documents

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

Preferred Citation

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

Biographical Note

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<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>1897, Dec. 9</td>
<td>Born, Westphalia, Mo.</td>
</tr>
<tr>
<td>1918</td>
<td>United States Army, Camp Zachary Taylor, Ky., and Fort Sheridan, Ill.</td>
</tr>
<tr>
<td>1920</td>
<td>B.S., Washington University, St. Louis, Mo.</td>
</tr>
<tr>
<td>1921-1922</td>
<td>Radio editor, Boston Evening Transcript, Boston, Mass.</td>
</tr>
<tr>
<td>1922</td>
<td>Married Lois Wuerpel</td>
</tr>
<tr>
<td>1922-1925</td>
<td>M.S., Massachusetts Institute of Technology, Cambridge, Mass.</td>
</tr>
<tr>
<td>1925-1927</td>
<td>Assistant professor, Massachusetts Institute of Technology, Cambridge, Mass.</td>
</tr>
<tr>
<td>1926-1937</td>
<td>Director, Round Hill Research Division, Massachusetts Institute of Technology, South Dartmouth, Mass.</td>
</tr>
<tr>
<td>1927-1937</td>
<td>Associate professor, Massachusetts Institute of Technology, Cambridge, Mass.</td>
</tr>
<tr>
<td>1937-1947</td>
<td>Professor, Massachusetts Institute of Technology, Cambridge, Mass.</td>
</tr>
<tr>
<td>1940-1942</td>
<td>Secretary, Microwave Committee, National Defense Research Committee, Cambridge, Mass.</td>
</tr>
<tr>
<td>1942-1947</td>
<td>Leave of absence, Massachusetts Institute of Technology Consultant to secretary of war</td>
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<tr>
<td>1943-1947</td>
<td>Consultant to commanding general, United States Army Air Forces</td>
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<td>Year</td>
<td>Event</td>
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<td>----------</td>
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<tr>
<td>1945</td>
<td>D.Sc., Norwich University, Northfield, Vt.</td>
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<tr>
<td></td>
<td>Distinguished Service Medal, United States Army Air Forces</td>
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<tr>
<td>1947-1957</td>
<td>Scientific consultant, United States Air Force</td>
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<tr>
<td>1947-1963</td>
<td>Consulting professor, Massachusetts Institute of Technology, Cambridge,</td>
</tr>
<tr>
<td></td>
<td>Mass.</td>
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<tr>
<td>1948</td>
<td>Honorary commander, civil division, Most Excellent Order of the British</td>
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<tr>
<td></td>
<td>Empire Presidential Medal of Merit</td>
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<tr>
<td>1950-1952</td>
<td>Scientific warfare adviser, Weapons Systems Evaluation Group, Office of</td>
</tr>
<tr>
<td></td>
<td>the Secretary of Defense</td>
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<tr>
<td>1951-1954</td>
<td>Consultant to secretary of the army</td>
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<tr>
<td>1955-1958</td>
<td>Chairman, Ad Hoc Advisory Committee on [television] Allocations, Senate</td>
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<td></td>
<td>Committee on Interstate and Foreign Commerce</td>
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<tr>
<td>1963-</td>
<td>Professor emeritus, Massachusetts Institute of Technology, Cambridge,</td>
</tr>
<tr>
<td></td>
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<tr>
<td>1964-1967</td>
<td>Consultant and special assistant to president, Analex Corp., Boston,</td>
</tr>
<tr>
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<td>Mass.</td>
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<tr>
<td>1966-1977</td>
<td>Director, White Consolidated Industries, Cleveland, Ohio</td>
</tr>
<tr>
<td>1968-1970</td>
<td>Chairman of the board and president, Information Transfer Corp., Welles</td>
</tr>
<tr>
<td></td>
<td>ley, Mass.</td>
</tr>
<tr>
<td>1981-</td>
<td>Trustee, Newton-Wellesley Hospital, Newton, Mass.</td>
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**Scope and Content Note**

The papers of Edward Lindley Bowles (1897-1990) span the years 1869-1990, with the bulk of the items concentrated in the period 1920-1982. Every aspect of Bowles's life is documented extensively by these papers except for the time during which he directed the Massachusetts Institute of Technology's (M.I.T.) research station in South Dartmouth, Massachusetts, for which there is relatively little record, and the last years of his life during which he suffered from Parkinson's disease.
Bowles was an inventor, educator, and consultant. He was associated with academic institutions, corporations, and government, often simultaneously. His scientific interests were focused, but the ways in which he manifested these interests were diverse. His papers, reflecting this diversity, are grouped into nine series: Correspondence File, Subject File, Corporate File, Government File, University File, Patent File, Oral History File, Writings File, and Classified.

Incoming and outgoing correspondence of a general nature make up the Correspondence File, including a reading file of outgoing material documenting more than two decades of Bowles's life.

The Subject File consists of a broad range of information not confined to any one institution, activity, or time in Bowles's life. There are files for Vannevar Bush and Carlo Luigi Calosi, each mentioned elsewhere in these papers, but each of whom Bowles knew in more than one institution or activity. There are also files regarding the Italian magnetic torpedo (Siluro Italiano Calosi) of World War II, Samuel Eliot Morison, David Rines, and Sir Robert Alexander Watson-Watt. Also, these files contain papers of Gleason Leonard Archer, president of Suffolk University; George A. Campbell, a prominent early inventor in telephone communications; Hammond Vinton Hayes, former chief engineer of American Telephone and Telegraph Company; and Admiral Harry E. Yarnell's activities during World War II.

Bowles's ties to the corporate world began while he was a student at M.I.T. and became extensive after World War II, when he became general consultant to the president of Raytheon Company and president of Whitin Machine Works. He also served as consultant to or on the boards of directors of other firms. The Corporate File holds material concerning all such interests, but the documentation concerning Raytheon and Whitin is the most extensive. Principal correspondents in the Raytheon papers include Charles F. Adams (1866-1954), and Calosi. The principal subjects include direction and governance of the company, its research aims, and the Submarine Signal Division. There are many handwritten notes from Adams, who was president of Raytheon during Bowles's tenure. Whitin Machine Works was purchased by White Consolidated Industries, to whose board of directors Bowles was then appointed. The Whitin papers document the end of Whitin as an independent company and the affairs of White from Bowles's perspective on the governing board, as well as the affairs of subsidiaries White Motor Company, J.D. Ferry Company, and American Type Founders Company.

Bowles served the federal government in numerous capacities, most notably as consultant to the War Department during World War II, scientific warfare advisor to the secretary of war during the Korean conflict, and as chair of a United States Senate ad hoc advisory committee on television frequency allocations. Additionally, he served on the National Defense Research Committee, or NDRC (later part of the Office of Scientific Research and Development, or OSRD), and on a congressional ad hoc committee on reforming the patent system. Papers regarding all of these ventures are found in the Government File. Bowles's work in the War Department during World War II is well represented and features correspondence with Henry Harley Arnold, Harold Gardner Bowen, Vannevar Bush, Alfred L. Loomis, and Watson-Watt concerning the development and deployment of radar, the United States Air Force's Project RAND and its evolution into Rand Corporation, antisubmarine warfare, and the temperament and tactics of Ernest Joseph King, as well as scientific research efforts in general. The armed forces retained Bowles's services through the late 1950s, and correspondence and reports reflect his concern for battle effectiveness, prevailing military strategies, research methodology, unification of the armed forces, and weapons development.

The University File documents Bowles's associations with Washington University and M.I.T., and two institutions he served as director, Bentley College and Kodály Musical Training Institute. M.I.T.'s development is reflected in correspondence with Julius Adams Stratton and other contemporaries. Files concern M.I.T.'s Round Hill research division and the Edward H. R. Green estate on which it was located, electrical engineering laboratory and courses, Sloan School of Industrial Management, the NDRC radiation lab, and Vannevar Bush, K. T. Compton, C. S. Draper, and Ernst A. Guillemin.

The Patent File documents Bowles's activities as a private consultant for companies and individuals securing or defending patents, including the Radio Corporation of America, Samson Electric Company, Sperry Gyroscope Company, Stockton Profile Gauge Corporation, United Artists Corporation, and Ernst Fredrik Werner Alexanderson, Edwin H. Armstrong, Walter G. Cady, Alexander McLean Nicholson, and George Washington Pierce. Correspondence in this file contains information regarding patent applications and research in general. A companion subseries contains Bowles applications and assignments. Interferences, or challenges to applications, are filed as part of the contested applications.

The Oral History File consists of transcripts of Bowles's recollections. These recollections were recorded between 1979 and 1984 and primarily concern his years in Westphalia, Missouri, M.I.T., Bell Telephone Company and the development of
telephone communication, World War II, Henry Harley Arnold, Vannevar Bush, Henry L. Stimson, NDRC, OSRD, and Project RAND.

The Writings File consists of articles, newspaper columns, and speeches by Bowles concerning various subjects.

Arrangement of the Papers

The collection is arranged in nine series:

- **Correspondence File, 1942-1988**
- **Subject File, 1869-1990**
- **Corporate File, 1920-1987**
- **Government File, 1930-1988**
- **University File, 1918-1988**
- **Patent File, 1872-1989**
- **Oral History File, 1979-1984**
- **Writings File, 1922-1966**
- **Classified**
## Description of Series

<table>
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<tr>
<th>Container</th>
<th>Series</th>
<th>Description</th>
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<tr>
<td>BOX 1-4</td>
<td><strong>Correspondence File, 1942-1988</strong></td>
<td>General correspondence and a reading file of outgoing correspondence.</td>
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<tr>
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<td>Arranged chronologically.</td>
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<tr>
<td>BOX 5-16</td>
<td><strong>Subject File, 1869-1990</strong></td>
<td>Correspondence, legal documents, manuscripts, newspaper clippings, notes, photographs, publications, reports, speeches, and other papers.</td>
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<td>Arranged alphabetically by subject or type of material.</td>
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<td>BOX 17-27</td>
<td><strong>Corporate File, 1920-1987</strong></td>
<td>Correspondence, legal documents, memoranda, minutes of meetings, notes, office diaries, photographs, and reports regarding the numerous companies in which Bowles held a financial interest or for which he consulted.</td>
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<td>Arranged alphabetically by corporate title and thereunder by type of material.</td>
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<tr>
<td>BOX 27-48</td>
<td><strong>Government File, 1930-1988</strong></td>
<td>Awards and commendations, correspondence, diaries, memoranda, minutes of meetings, notes, photographs, reports, and research proposals regarding the agencies, committees, and departments for which Bowles consulted.</td>
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<td>BOX 49-63</td>
<td><strong>University File, 1918-1988</strong></td>
<td>Correspondence, legal documents, memoranda, minutes of meetings, notes, office diaries, publications, reports, subject files, and teaching notes regarding the academic institutions with which Bowles was affiliated as a student, instructor, or as a director.</td>
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<td>BOX 64-84</td>
<td><strong>Patent File, 1872-1989</strong></td>
<td>Correspondence, court documents, and miscellaneous material concerning patents and inventions and the applications and assignments of patents entered by Bowles and others.</td>
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<td>Arranged in the following groupings: applications, assignments, consultanthships, general correspondence, and miscellany, and thereunder alphabetically by corporate or personal name, subject, or type of material.</td>
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<td>Arranged as numbered transcripts, in two separate series, and miscellaneous, unrelated transcripts. Transcript numbers are preceded by the letters W, T, or J, bearing no relation to the numbering, which is sequential.</td>
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<td>BOX 90-92</td>
<td><strong>Writings File, 1922-1966</strong></td>
<td>Articles, papers, and a report by Bowles.</td>
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<td>Arranged by format and thereunder chronologically.</td>
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<td>BOX CL 1</td>
<td><strong>Classified</strong></td>
<td>Correspondence, notes, reports, and miscellany.</td>
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Arranged and described according to the series and folders from which the material was removed.
## Container List

<table>
<thead>
<tr>
<th>Container</th>
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</table>
| BOX 1-4   | **Correspondence File, 1942-1988**  
General correspondence and a reading file of outgoing correspondence.  
Arranged chronologically. |
| BOX 1     | General, 1942-1988, undated  
(3 folders)  
Reading File  
11 Dec. 1947-3 June 1952  
(3 folders) |
| BOX 2     | 11 June 1952-22 Apr. 1957  
(6 folders) |
(6 folders) |
(7 folders) |
| BOX 5-16  | **Subject File, 1869-1990**  
Correspondence, legal documents, manuscripts, newspaper clippings, notes, photographs,  
publications, reports, speeches, and other papers.  
Arranged alphabetically by subject or type of material. |
| BOX 5     | A. C. Cossor, Ltd., 1963-1964  
Academy of Applied Science, 1963-1975  
Air War College National Security Forum, 1957  
Albano, Louis S., 1966-1978  
Alidade, 1967  
American Academy of Arts and Sciences, 1953-1959  
American Institute of Electrical Engineers, 1943-1958  
Archer, Gleason Leonard  
Correspondence with Bowles, 1952-1964, undated  
Personal papers, 1915-1939  
Beta Instrument Corp., 1968-1973  
Biographical information, 1897-1974  
Black, Harold S., 1956  
Bowen, Harold G., 1959-1967  
Bowles, Frederick Wuerpel, 1949  
Bowles, Samuel Addison, 1883  
Bush, Vannevar  
Correspondence, 1933-1985  
Miscellaneous, undated |
| BOX 6     | **Pieces of the Action**, annotated by Bowles, 1970  
Campbell, George Ashley  
Correspondence, 1891-1970, undated |
Subject File, 1869-1990

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<td>BOX 7</td>
<td>Files regarding loaded lines and loading (telephone systems), circa 1922 (4 folders)</td>
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<td>BOX 8</td>
<td>Manuscript regarding loading (telephone systems)</td>
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<td>BOX 9</td>
<td>Interference No. 20699</td>
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<td>BOX 10</td>
<td>Record, 1902 (2 folders)</td>
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<td>BOX 11</td>
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<td>BOX 12</td>
<td>Cosmos Club, Washington, D.C., 1942-1966</td>
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<td>Currency and coins, 1928-1944</td>
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<td>Curtis, Edward P., 1956</td>
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<td>Dreher, Carl, 1959-1962</td>
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<td>Ellyard, David, 1983</td>
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<td>Gibson, Tom L., 1950-1955, 1963</td>
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<td>Guns, 1969</td>
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<td>Hale, Mary Margaret Griffith, 1968-1978</td>
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<td>Hargrove, Thomas, 1949-1951</td>
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<td>Hayes, Hammond Vinton</td>
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<td></td>
<td>Biographical information, undated</td>
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<td>Career at American Telephone and Telegraph Co., 1907, undated</td>
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<td></td>
<td>Correspondence</td>
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<td>From Bowles to Hayes, 1922-1970, undated</td>
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<td>From Hayes, 1895-1946</td>
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<td>Last will and testament and estate, 1946-circa 1948</td>
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<td>Notes by Bowles, 1947, undated</td>
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<td>Patents, 1888-1900</td>
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<td>Speeches, 1914, undated</td>
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<td>Writings</td>
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<td>About Hayes, 1885-1920</td>
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BOX 13

By Hayes, 1922-1948
Hodgins, Eric, 1932
Institute of Electrical and Electronics Engineers, 1962-1969
Institute of Radio Engineers, 1947-1961
Interviews with Bowles
Green, Murray, 1966-1971
(2 folders)
(2 folders)
Pang, Alex, 1986
Romanowski, Roslyn Rachel, 1982
Thompson and Harris, Signal Corps Historical Division, Army Air Corps, 1958
Investments, 1929-1954
Iron Cross, 1938
Italian magnetic torpedo (Siluro Italiano Calosi), undated
Johnson, Elvira Fouke, 1869
Kline, Frank R., Jr., 1978-1987
Legal documents, 1945-1946

BOX 14

Litton Industries, 1956-1962
Ludwig, Warren, 1952-1965
Marshall, Lawrence K., 1947-1980
McKinney, John B., 1961
Moors & Cabot, 1949, 1967-1979, undated
Necrologies, 1940-1978
Newcomen Society in North America, 1966
Newspaper and magazine clippings, 1948-1963, undated
Norwich University, Northfield, Vt., 1945-1947
Notes by Bowles, 1940-1959, undated
Ordman, Theodore, 1950-1951
Pang, Alex, 1986-1990
Personal papers, disposition of, 1963-1982
Photographs
Bowles, circa 1920-1985
Others, circa 1900-1965
Radar, paper by F. Ross Tilghman, 1980-1981
Radiation Research Corp., 1964-1965
Radio in aircraft, 1947, undated
Ratliff, William Hardy, 1949-1953

BOX 15

Rines, David, 1944-1986
Rines, Robert H., 1960-1986, undated
Rowe, Hartley, 1908, 1958-1966
Sealed Air Corp., 1966-1967
Subject File, 1869-1990

Container

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<td>Simon, Leslie Earl, 1954-1956</td>
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<td>Smith, Bruce L. R., 1966-1967, undated</td>
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<td>Smith, Richard H., 1948-1949</td>
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<td>Spread-spectrum communications, 1983</td>
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<td>Süsskind, Charles, 1977</td>
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<td>Thomas Alva Edison Foundation, 1951-1952</td>
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<td>Truscott, D. N., 1954-1956</td>
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<td>University Club, Washington, D.C., 1942-1948</td>
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<td>von Recklinghausen, Daniel R., 1960</td>
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<td>Warner, Sam Bass, Jr., 1982-1985</td>
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<td>Wellesley Club, Wellesley, Mass., 1935, 1942</td>
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<td>Western Union Telegraph Co., 1949</td>
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<td>Westphalia, Mo., 1985</td>
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<td>Winnecker, Rudolph August, 1947-1977, undated</td>
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<td>World War I, 1918</td>
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<td>Yarnell, Harry E., 1942-1943, undated</td>
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</table>

**BOX 16**

**Corporate File, 1920-1987**

Correspondence, legal documents, memoranda, minutes of meetings, notes, office diaries, photographs, and reports regarding the numerous companies in which Bowles held a financial interest or for which he consulted.

Arranged alphabetically by corporate title and thereunder by type of material.

**BOX 17**

Advanced Space Age Products
- Correspondence, 1969-1970
- Memoranda, 1970
- Anelex Corp., 1965-1966
  (2 folders)
- Automated Electric Co., 1945-1946, undated
- Bausch & Lomb Optical Co., 1956-1958
- Information Transfer Corp., 1968
- Jarrell Ash Co., 1965-1966
- Lockheed Aircraft Corp.
  - Correspondence, 1953-1955
  - Miscellaneous, undated
    (1 folder)

**BOX 18**

Miscellaneous, undated
(1 folder)
- Notes, undated
- Philco Corp., 1957-1963, undated
- Raytheon Co.
  - Correspondence
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<td>BOX 19</td>
<td>1926-1952 (5 folders)</td>
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<td>BOX 20</td>
<td>1953-1987, undated (6 folders)</td>
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<td>BOX 21</td>
<td>Historical file, 1927-1987, undated (3 folders)</td>
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<td>BOX 22</td>
<td>Interoffice memoranda Aug. 1940-Sept. 1948 (2 folders)</td>
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<td>BOX 23</td>
<td>Oct. 1948-July 1959 (5 folders)</td>
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<td>BOX 24</td>
<td>Miscellaneous Aug. 1959-Apr. 1972, undated (3 folders)</td>
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<td>BOX 25</td>
<td>Notes, undated (1 folder)</td>
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<td>BOX 26</td>
<td>Notes, undated (2 folders)</td>
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<td>BOX 27</td>
<td>Office diaries, 1950-1964, undated (2 folders)</td>
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<td>BOX 28</td>
<td>Photographs, 1959-1963, undated (3 folders)</td>
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<td>BOX 29</td>
<td>Reading file, Sept. 1946-Dec. 1952 (3 folders)</td>
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<td>Societe des accumulateurs fixes et de traction, 1936-1963, undated (2 folders)</td>
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<td>BOX 35</td>
<td>Sperry Gyroscope Co., 1938-1971, undated (2 folders)</td>
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Awards and commendations, correspondence, diaries, memoranda, minutes of meetings, notes, photographs, reports, and research proposals regarding the agencies, committees, and departments for which Bowles consulted.
Arranged alphabetically by agency or organization and thereunder by type of material.

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|           | 1943-1944, North Africa and Europe  
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| BOX 49-63 | University File, 1918-1988  
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publications, reports, subject files, and teaching notes regarding the academic institutions  
with which Bowles was affiliated as a student, instructor, or as a director.  
Arranged alphabetically by institutional name and thereunder by type of material. |
| BOX 49    | Bentley College, Waltham, Mass.  
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| BOX 51    | Kodály Musical Training Institute, Wellesley, Mass.  
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|          | Massachusetts Institute of Technology, Cambridge, Mass.  
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Correspondence, court documents, and miscellaneous material concerning patents and inventions and the applications and assignments of patents entered by Bowles and others.

Arranged in the following groupings: applications, assignments, consultantships, general correspondence, and miscellany, and thereunder alphabetically by corporate or personal name, subject, or type of material.

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**BOX 84-90**  
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Transcripts of recorded recollections by Bowles.
Arranged as numbered transcripts, in two separate series, and miscellaneous, unrelated transcripts. Transcript numbers are preceded by the letters W, T, or J, bearing no relation to the numbering, which is sequential.

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  Arranged and described according to the series and folders from which the material was removed. |
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  Miscellany  
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