

# George Gamow and Barbara Gamow Papers

A Finding Aid to the Collection in the  
Library of Congress

Prepared by Grover Batts, Carolyn Craig, and  
Paul Ledvina with the assistance of Thelma  
Queen



Manuscript Division, Library of  
Congress

Washington, D.C.

2009

Contact information: <http://hdl.loc.gov/loc.mss/mss.contact>

Finding aid encoded by Library of  
Congress Manuscript Division, 2009

Finding aid URL: <http://hdl.loc.gov/loc.mss/eadmss.ms010191>

## Collection Summary

Title: George Gamow and Barbara Gamow Papers

Span Dates: 1915-1975

Bulk Dates: (bulk 1950-1975)

ID No.: MSS21899

Creator: Gamow, George, 1904-1968

Creator: Gamow, Barbara, 1905-1976

Extent: 8,000 items; 30 containers plus 1 oversize; 12.8 linear feet

Language: Collection material in English

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

Abstract: George Gamow, physicist, astronomer, and author. Barbara Gamow, editor and translator. Correspondence, drafts of speeches, articles, and books, and other papers relating principally to George Gamow's career as an astronomer, physicist and popularizer of science and to Barbara Gamow's personal and literary associations.

## 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

Alpher, Ralph--Correspondence.

Bedford, Sybille, 1911-2006--Correspondence.

Brakhage, Stan--Correspondence.

Broughton, James, 1913-1999--Correspondence.

Cockcroft, John, Sir, 1897-1967--Correspondence.

Covici, Pascal, 1885-1964--Correspondence.

Critchfield, Charles Louis, 1910- --Correspondence.

Cummings, E. E. (Edward Estlin), 1894-1962--Correspondence.

Dirac, P. A. M. (Paul Adrien Maurice), 1902-1984--Correspondence.

Friedlander, Bernard Z.--Correspondence.

Friedman, Elizebeth, 1892-1980--Correspondence.

Friedman, William F. (William Frederick), 1891-1969--Correspondence.

Gamow, Barbara, 1905-1976. George Gamow and Barbara Gamow papers. 1915-1975.

Gamow, George, 1904-1968.

Guérard, Albert Léon, 1880-1959--Correspondence.

Herman, Robert, 1914- --Correspondence.

Holden, Raymond P. (Raymond Peckham), 1894-1972--Correspondence.

Hooker, Edward Niles--Correspondence.

Hooker, Evelyn Caldwell--Correspondence.

Hynek, J. Allen (Joseph Allen), 1910- --Correspondence.

James, Frances Theiss--Correspondence.

James, Garner--Correspondence.

Lord, Eda--Correspondence.

Mansbridge, Ronald--Correspondence.

Martin, John, 1865-1947--Correspondence.

Morehouse, Marion, 1906-1969--Correspondence.

Mott, N. F. (Nevill Francis), Sir, 1905- --Correspondence.

Norman, Charles, 1904- --Correspondence.

Searle, Ronald, 1920- --Correspondence.

Szent-Györgyi, Albert, 1893-1986--Correspondence.

Teller, Edward, 1908-2003--Correspondence.

Yčas, Martynas, 1917- --Correspondence.

#### Subjects

Astronomy.

Astrophysics.

Cell nuclei.

Cosmology.

Genetics.

Literature.

Nuclear energy.

Number theory.

Physics.

Publishers and publishing.

Quasars.

RNA.

Science--History--20th century.

#### Occupations

Astronomers.

Authors.

Editors.

Physicists.

Translators.

## Administrative Information

#### Provenance

The papers of George Gamow, physicist, astronomer, and author, and his wife, Barbara Gamow, editor and translator, were given to the Library of Congress by the Gamows and others, 1964-1975.

#### Processing History

The papers received by the Library in 1964-1968 were processed in 1968. The collection was expanded and revised in 1975 and 1980, and the finding aid was revised in 2009.

#### Transfers

Items have been transferred from the Manuscript Division to other custodial divisions of the Library. Photographs have been transferred to the Prints and Photographs Division. Phonograph records and audiotapes have been transferred to the Motion Picture, Broadcasting, and Recorded Sound Division. All transfers are identified in these divisions as part of the Gamow collection.

#### Copyright Status

Copyright in the unpublished writings of George Gamow in these papers and in other collections of papers in the custody of the Library of Congress has been dedicated to the public. The status of copyright in the unpublished writings of Barbara Gamow is governed by the Copyright Law of the United States (Title 17, U.S.C.)

#### Access and Restrictions

The papers of George and Barbara Gamow 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.

## Preferred Citation

Researchers wishing to cite this collection should include the following information: Container number, George Gamow and Barbara Gamow Papers, Manuscript Division, Library of Congress, Washington, D.C.

## Biographical Note

George Gamow

| <i>Date</i>  | <i>Event</i>                                                                                                                                        |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1904, Mar. 4 | Born Georgii Antonovic Gamov, Odessa, Russia                                                                                                        |
| 1928         | Ph.D., physical science, University of Leningrad, Leningrad, USSR                                                                                   |
| 1928-1929    | Institute of Theoretical Physics, Copenhagen, Denmark                                                                                               |
| 1929-1930    | Rockefeller fellow, Cambridge University, Cambridge, England                                                                                        |
| 1931         | Married Lyubov Rho Vokhminzeva (divorced 1956)<br>Published <i>The Constitution of Atomic Nuclei and Radioactivity</i> . Oxford:<br>Clarendon Press |
| 1931-1933    | Professor, University of Leningrad, Leningrad, USSR                                                                                                 |
| 1933-1934    | Lecturer, Paris, France, London, England, and University of Michigan, Ann<br>Arbor, Mich.                                                           |
| 1934-1956    | Professor of physics, George Washington University, Washington, D.C.                                                                                |
| 1935         | Collaborated with Edward Teller on the theory of beta-decay, and formulated<br>the so-called "Gamow-Teller Selection Rule for Beta Emission"        |
| 1939         | Proposed neutrino theory of supernovae<br>Published <i>Mr. Tompkins in Wonderland</i> . Cambridge: Cambridge University<br>Press                    |
| 1940         | Became naturalized American citizen<br>Published <i>The Birth and Death of the Sun</i> . New York: Viking Press                                     |
| 1941         | Published <i>Biography of the Earth; Its Past, Present, and Future</i> . New York:<br>Viking Press                                                  |
| 1942         | Shell model of red giant stars                                                                                                                      |
| 1947         | Published <i>One, Two, Three...Infinity</i> . New York: Viking Press                                                                                |
| 1948         | Theory of the origin of chemical elements                                                                                                           |
| 1952         | Published <i>The Creation of the Universe</i> . New York: Viking Press                                                                              |
| 1956         | Awarded Kalinga Prize by Unesco for popularization of science                                                                                       |

|                 |                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------|
| 1956-1968       | Professor of physics, University of Colorado, Boulder, Colo.                                                        |
| 1958            | Published <i>Matter, Earth, and Sky</i> . Englewood Cliffs, N.J.: Prentice-Hall<br>Married Barbara Merrihew Perkins |
| 1961            | Published <i>Biography of Physics</i> . New York: Harper                                                            |
| 1968, Aug. 20   | Died, Boulder, Colo.                                                                                                |
| 1970            | Posthumous publication <i>My World Line</i> . New York: Viking Press                                                |
| Barbara Gamow   |                                                                                                                     |
| <i>Date</i>     | <i>Event</i>                                                                                                        |
| 1905, May 22    | Born Barbara Merrihew Perkins, San Francisco, Calif.                                                                |
| 1938            | Married J. R. de la Torre Bueno (divorced circa 1943)                                                               |
| circa 1950-1958 | Employed by Cambridge University Press                                                                              |
| 1958            | Married George Gamow                                                                                                |
| 1976            | Died                                                                                                                |

## Scope and Content Note

The papers of George Gamow (1904-1968) and Barbara Gamow (1905-1976) cover the period 1915 to 1975, but the bulk of the collection originates after 1950. George Gamow's papers, which constitute about two-thirds of the total, are concentrated in the years 1960-1968 and are chiefly scientific and professional. Barbara Gamow's papers consist primarily of personal and literary correspondence from 1928 to 1975. The collection is organized in [Family Correspondence](#), [General Correspondence](#), [Personal Correspondence of Barbara Gamow](#), [Speeches and Writings](#), [Miscellany](#), and [Oversize](#) series.

Broad in scope, the papers provide source material for biographical studies and for the scientific and intellectual history of the period. Topics treated include theoretical physics, astrophysics, big bang theory, nuclear energy, nuclei, quasistellar objects, genetic coding, RNA coding, and number theory.

Well known in academic fields as a physicist and astronomer, George Gamow was perhaps more widely known to the world at large for his work as a popularizer of scientific literature. In the [Speeches and Writings File](#) are examples of both aspects of Gamow's work. There is various material about Mr. Tompkins, the fictitious bank clerk with a scientific curiosity whom Gamow used in his books for lay readers. There are also first drafts of several of his other books, numerous published and unpublished articles, and various original drawings and illustrations for texts. Other drawings for books and for Gamow's personal use are in the [Miscellany](#) series.

George Gamow's professional and scientific correspondence as well as the Gamows' social correspondence is in the [General Correspondence](#) series. Of especial interest for the scientist or scientific historian is Gamow's correspondence with Ralph Alpher and Robert Herman on the big bang theory, with Charles Critchfield on nuclear energy and nuclei, with Paul Dirac on gravity, with Martynas Ycas on the origination of the genetic code (with specific reference to RNA coding), and also posthumous letters to Gamow from all over the world. There is, however, virtually no

correspondence prior to 1950; all discussion of scientific theory is related to developments after that date. This limitation in chronology, as reported by Barbara Gamow in 1964 correspondence with the Library of Congress, is due to George Gamow's tendency to destroy incoming letters once he had answered them and to keep no copies of outgoing correspondence. Many of George Gamow's original letters, as well as photocopies of originals, do exist in the collection, but not in great bulk. Among his significant correspondents are Sir John Cockcroft, Pascal Civici, Albert Einstein, William F. Friedeman and Elizabeth Friedman, J. Allen Hynek, Ronald Mansbridge, Sir Nevill Mott, Ronald Searle, Albert Szent-Györgyi, and Edward Teller.

The [Personal Correspondence](#) series consists of letters to and from Barbara Gamow. Married to J. R. de la Torre Bueno, a scholar and editor, from 1938 to 1943, and to George Gamow from 1958 until his death in 1968, she spent most of her career in the publishing business and was acquainted with writers, illustrators, editors, and others in the world of publishing. From 1958 to 1970, much of Barbara Gamow's time was spent editing and translating for her husband and carrying on some of his professional correspondence. Although she herself did not publish any books, she wrote verse for some of George Gamow's books, including *Faust; Eine Historie*, and she was a prolific letter writer. Copies of her letters are not well represented in the papers, but references in letters received indicate the scope of her writing.

During the early 1930s Barbara Gamow moved in circles that included the poet E. E. Cummings and his wife Marion Morehouse, scholars Edward Niles Hooker and Albert Guerard, filmmakers Stan Brakhage and John Larson, psychologists Evelyn Caldwell Hooker and Bernard Friedlander, and writers Raymong Peckham Holden, James Broughton, Charles Norman, Eda Lord, Sybille Bedford, Frances and Garner James, and Morgan Shepard. Letters from these and others provide source material for biographical studies of the correspondents and their acquaintances. Detailed letters over many years cover periods of youth, careers, and retirement. For the later years, there is material relating to old age, some aspects of the psychology of women, and discussions on parapsychology.

## Organization of the Papers

The collection is arranged in six series:

- [Family Correspondence, 1915-1973](#)
- [General Correspondence, 1926-1975](#)
- [Personal Correspondence of Barbara Gamow, 1928-1973](#)
- [Speeches and Writings File, 1926-1970](#)
- [Miscellany, 1931-1974](#)
- [Oversize, 1951-1970](#)

## Description of Series

| <i>Container</i> | <i>Series</i>                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BOX 1            | <u>Family Correspondence, 1915-1973</u><br>Correspondence with members of the Gamow and Perkins families.<br>Arranged alphabetically by name of family member.                                                                                                                                                                                                                                      |
| BOX 1-8          | <u>General Correspondence, 1926-1975</u><br>Letters received and some copies of letters sent, telegrams, postcards, and other enclosures.<br>Arranged alphabetically by name of correspondent.                                                                                                                                                                                                      |
| BOX 9-14         | <u>Personal Correspondence of Barbara Gamow, 1928-1973</u><br>Letters received and some copies of letters sent, with attachments, literary material, drawings, and related material.<br>Arranged alphabetically by name of correspondent and therein chronologically.                                                                                                                               |
| BOX 15-27        | <u>Speeches and Writings File, 1926-1970</u><br>Books and articles in manuscript, typescript, galley, and printed form, including some correspondence, reviews, and related material, and speeches and book reviews.<br>Arranged by type of material. Articles are arranged chronologically and books are arranged alphabetically by title, with printed copies at the end.                         |
| BOX 28-30        | <u>Miscellany, 1931-1974</u><br>Newspaper clippings, printed matter, scrapbooks, correspondence, miscellaneous personal records, notes, drawings, greeting cards, book reviews, and other material.<br>Arranged alphabetically by type of material. Final box contains oversize awards, certificates, a drawing, and illustrations, arranged alphabetically by type of material, title, or subject. |
| BOX OV 1         | <u>Oversize, 1951-1970</u><br>Awards and certificates, illustrations, miscellaneous drawings, photography album, and other oversize items.<br>Arranged alphabetically according to subject of type of material.                                                                                                                                                                                     |

# Container List

| <i>Container</i> | <i>Contents</i>                                                                                                                                                                                                                                                                                                                                                                                                        |
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| BOX 1            | Family Correspondence, 1915-1973<br>Correspondence with members of the Gamow and Perkins families.<br>Arranged alphabetically by name of family member.                                                                                                                                                                                                                                                                |
| BOX 1            | Gamow family, Igor Rustem and Elfriede Reger Gamow, 1961-1973<br>Perkins family<br>Barbara Perkins (Mrs. George Gamow), 1955-1958<br>Samuel Henry Perkins, 1915, 1938-1942<br>General, 1941-1951                                                                                                                                                                                                                       |
| BOX 1-8          | General Correspondence, 1926-1975<br>Letters received and some copies of letters sent, telegrams, postcards, and other enclosures.<br>Arranged alphabetically by name of correspondent.                                                                                                                                                                                                                                |
| BOX 1            | Ab Nordiska Uppslagsböcker, 1964<br>Abalakin, Victor K., 1967-1971<br>Abelson, Philip H., 1967<br>All India Radio<br>Alpher, Ralph A., 1949-1975<br>(7 folders)<br>American Association for the Advancement of Science, 1964-1966<br>American Heritage Publishing Co., 1965-1969<br>Arons, Arnold, 1965-1966<br>Asimov, Isaac, 1967<br>"A" miscellaneous, 1939, 1957-1972                                              |
| BOX 2            | Baade, Hanni, 1966<br>Badash, Lawrence, 1967<br>Balandin, Igor, 1964-1970<br>Barnes, Ruth, 1967<br>Berglin, Carl-Gustaf, 1963<br>Best, Marshall A., 1964<br>Bethovey, Larry, 1966<br>Beyan, Edward, 1966<br>Bhebha, H.<br>Birge, Raymond T., 1949<br>Blade, Richard, 1967<br>Blaedel, Niels, 1966<br>Bludman, Sidney, 1967<br>Bobrovnikoff, Nicholas T., 1969-1970<br>Börnstein, Ludwig, 1967<br>Bohr, Aage, 1963-1964 |



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BOX 3

Bohr, Margrethe (Mrs. Niels), 1960-1969  
Bohr, Marietta, 1967  
Bohr, Niels, 1960-1961  
Bok, Priscilla  
Bose, Devendra M., 1959-1962  
Boylen, Margaret and Al, circa 1956  
Briggs, Richard I., 1960  
Brissey, Catherine, 1968  
Brittin, Janine, circa 1969  
Brittin, Wesley E., 1962  
Brogan, Hugh, 1965  
Brosche, Peter, 1967  
Brown, Harrison, 1956  
Brown, Melvin L., Jr. 1967  
Bueno, Antonio T., 1965  
Bullard, Edward C., 1966-1967  
Burbridge, Geoffrey, 1967  
Burbridge, Margaret, 1967  
Burlingham, Edward C., 1966  
Burnell, Sylvia, 1959, 1968  
"B" miscellaneous, 1930-1969  
Cambridge University Press, 1964-1968  
Campbell, Philip M., 1965-1967  
Carmi, Gideon, 1967  
Casimir, H. B. G., 1964  
Chandrasekhar, S., 1967  
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Cockcroft, Elizabeth, 1967  
Cockcroft, John, 1966  
Cohen, Erwin (Academic Press), 1966  
Cohen, I. Bernard, 1967  
Colie, Rosalie L., 1958  
Constantindes [?], Panos, 1966-1967  
Covici, Dorothy, 1967  
Covici, Pascal (Viking Press), 1961-1964  
Coyne, Donald, 1968  
Crane, H. R. 1967  
Cranshaw, T. E., 1964  
Crick, Francis H. C., 1968  
Critchfield, Charles L., 1944-1969  
Cushman, Norman F., 1959-1960  
"C" miscellaneous, 1951-1972  
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De Guise, Dorothy A., 1967

Delbrück, Max, 1963-1969  
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 Dobzhansky, Natasha, 1961  
 Dodd, James, 1967-1971  
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 Dyson, Freeman, 1967  
 Eccleshare, Colin J., 1857-1965  
 Educational Services, 1965  
 Efimenco, Theodore, 1959  
 Ehricke, Krafft A., 1956  
 Einstein, Albert, 1948  
 Eleanor Roosevelt Institute for Cancer Research, 1967  
 Ellis, R. Hobart, Jr., 1967-1972  
*Encyclopaedia Britannica*, 1968  
 "E" miscellaneous , 1960-1969  
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 Firestone, Miriam, 1965  
 Flanagan, Dennis, 1960, 1966  
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 Foster, Mary, 1969-1971  
 Fowler, William A., 1956, 1969  
 Friedman, William F. and Elizabeth S., 1957-1958, 1969  
 Friedr. Vieweg & Sohn, 1964  
 Frye, Betty (Mrs. William E.), 1966  
 Fujiwara, Masataka, 1959  
 "F" miscellaneous, 1959-1971, undated  
 Gavaudan, P., 1967  
 Geiss, Johan, 1968  
 Gieck, Jack E., 1968, 1972  
 Glass, I. I., 1961  
 Gold, Tom, 1961  
 Goldberg, Edward D., 1962  
 Goldsmith, Margie Noyes, circa 1956-1963  
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Heisenberg, Werner, 1965-1967  
Hennessey, J. H., 1966  
Herman, Robert, 1962-1970  
Heuer, Kenneth, 1966  
Houtermans, 1966  
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Hustwitt, Arthur, circa 1960  
Hutchinson, Charles A., circa 1965  
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"H" miscellaneous, 1962-1970  
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    (2 folders)  
Kingsford, Anthony, 1950-1971  
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Klein, Oscar, 1967  
Kolitschew, Konstantin D., 1958  
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Leppelmeier, G. W., 1967  
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Linda Hall Library, Kansas City, Mo., 1964  
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Longair, Malcolm S., 1967-1968  
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"L" miscellaneous, 1947-1975  
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Macorini, Edgardo, 1964-1966  
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Mansbridge, Ronald, 1953-1971  
Marshall, Dorothy (Mrs. Robert W.), 1969-1972  
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Metropolis, Nicholas, 1967-1968  
Miller, Dr., 1966t1  
Mitchell, Lawrence, 1967  
Moczorodynski, Margaret and Marie, 1964-1971  
Moller, C., 1968t1  
Moore, Ruth, 1966  
Mordell, Mabel E., 1966, undated  
Morris, Margaret R., 1969-1972  
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Murphy, M. (Mrs. Edward Daniel), 1945-1964  
"M" miscellaneous  
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Nagata, George and Barbara, 1968, undated  
Nakamura, Hiroshi, 1959-1968, undated  
Nassau, J. J., 1961-1962  
National Academy of Sciences, 1967-1968  
*Nature*, 1967  
Nelson, Jan., 1969-1971  
Nelson, Marian L., 1965, 1970-1972  
Newton, Edna (Mrs. William C.), 1973  
Nimitz, Chester W., 1950-1951  
"N" miscellaneous, 1960-1973  
Ollsen, Matthew and Elizabeth, 1969-1972  
"O" miscellaneous, 1957-1968  
Page, Thornton, 1967  
Parthasarathi, Shrimathi G., 1959-1965  
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Pergamon Press, 1968  
*Physical Review*, 1967  
Porter, John, 1968  
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BOX 6

Prince, David, 1932  
"P" miscellaneous, 1941-1971, undated  
Rae, Stephen, 1964  
Rainer, W. Gerald, 1967  
Random House, 1964  
Rashevsky, 1967  
Reines, Frederick, 1969-1972  
*Revista de Occidente*, 1963  
*Romania libera*, 1967  
Rosenberg, Fritz, 1969-1972  
Rosenfeld, Beatrice, 1963-1968  
Rosset, Barney, 1953-1958  
Ryle, Martin, 1968  
"R" miscellaneous, 1952-1972  
Sahasrabudhe, M. B., 1967  
Sandage, Allan, 1965  
Sciama, D. W., 1967  
*Science*, 1967  
Shapiro, Maurice M., 1962  
Shepanski, John R., 1967  
Sondermann, Fred A., 1964-1965  
Soviet Peace Committee, 1966  
Stokes, N. R. 1966  
Szent-Györgyi, Albert, 1966, undated  
Szent-Györgyi, Márta, 1962, undated  
Szilard, Gertrud Weiss, 1964, 1971  
"S" miscellaneous, 1951-1969  
Tele-Lecture Series, 1965  
Teller, Edward, 1956, 1960, 1967  
Terrell, James, 1960-1961  
Terry, Luther, 1964  
Thomas, William A., 1968  
Trousdale, Leon Herbert, 1970  
Tuve, Merle, 1967  
"T" miscellaneous, 1955-1971, undated  
Uhlenbeck, George E., 1964  
Ulam, Stanislaw M. and Francoise, 1961-1970  
*Umschau in Wissenschaft und Technik*, 1967  
United Nations Scientific and Cultural Organization, 1956  
University of Colorado, Boulder, Colo., 1956-1973  
Viking Press, 1963, 1968-1971  
Von Lillienfeld-Watts, 1960-1972  
Wagoner, Robert, 1967  
Walton, Sadie and Harold F., 1959-1973  
Weiner, Charles, 1970-1972  
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|          | Whitehead, A. Bruce, 1964                                                                                              |
|          | Wickenden, Elmira B., 1947-1971                                                                                        |
|          | Wigner, Eugene P., 1967                                                                                                |
|          | Wilkinson, D. H., 1967                                                                                                 |
|          | Wittenberg, Elizabeth, 1970-1971                                                                                       |
|          | Wondhuysen, Henry L., 1964                                                                                             |
|          | Wright, Louis B., 1949-1960                                                                                            |
|          | "W" miscellaneous, 1930-1975                                                                                           |
| BOX 7    | Ycas, Martynas, 1954-1972<br>(6 folders)                                                                               |
|          | Yourgrau, Wolfgang and Thella, 1966-1971                                                                               |
|          | Zion, Gene, circa 1953                                                                                                 |
|          | Zirin, Harold, 1967                                                                                                    |
|          | Unidentified, 1956-1967, undated                                                                                       |
|          | Letters concerning G. Gamow's "Basic Theories of Modern Physics," unpublished book manuscript, 1967-1973               |
|          | Letters of congratulations upon marriage, 1958-1959                                                                    |
| BOX 8    | Letters of condolence upon the death of George Gamow, 1968                                                             |
|          | Posthumous letters to George Gamow, 1968-1974<br>(7 folders)                                                           |
|          | Posthumous letters concerning translation rights, 1968-1970                                                            |
| BOX 9-14 | Personal Correspondence of Barbara Gamow, 1928-1973                                                                    |
|          | Letters received and some copies of letters sent, with attachments, literary material, drawings, and related material. |
|          | Arranged alphabetically by name of correspondent and therein chronologically.                                          |
| BOX 9    | Bedford, Sybille <i><a href="#">See Container 13, Lord, Eda</a></i>                                                    |
|          | Bowen, Mary, 1958-1965<br>(3 folders)                                                                                  |
|          | Bowman, Brigitte (Mrs. Howard), 1966-1968                                                                              |
|          | Brakhage, Stan and Jane, 1960-1972                                                                                     |
|          | Broughton, James, 1938-1972<br>(3 folders)                                                                             |
|          | Bueno, J. R. de la Torre, Jr., 1937-1948                                                                               |
|          | Chomeley, Elsie, 1939-1944                                                                                             |
|          | Christman, Henry and Zoë Fales, 1944-1970                                                                              |
|          | Collins, Peter, and Elizabeth D. Logan, 1958-1971                                                                      |
|          | Cummings, E. E., and Marion Morehouse, 1954-1969                                                                       |
|          | Cushen, Karen Lind (Mrs. John Richard), 1955-1973                                                                      |
| BOX 10   | DeMourges, Odette, 1965-1973                                                                                           |
|          | DePierri, Kate Pinsdorf (Mrs. Gail Borden), 1964-1973<br>(3 folders)                                                   |
|          | Dirac, Mani (Mrs. Paul), 1966-1973                                                                                     |
|          | Donnell, Radka (Mrs. Frank), 1963-1973                                                                                 |
|          | Friedlander, Bernard Z., 1954-1973                                                                                     |
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Personal Correspondence of Barbara Gamow, 1928-1973

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|        | 1957-1968<br>(2 folders)<br>Health charts, 1947-1968<br>Guérard, Albert Léon, 1929-1956<br>Hein, Piet, 1961-1962<br>Hoerlin, Kate and Herman, circa 1963-1972<br>Holden, Raymond Peckham<br>1932-1939<br>(10 folders)                                                                                                                                                                                                                                                                                                                                                           |
| BOX 12 | 1940-1973<br>(7 folders)<br>Holdsworth, Betsy, 1969-1972<br>Hooker, Edward Niles, 1949-1950<br>Hooker, Edward Niles and Evelyn Caldwell, 1951-1957<br>James, Frances Theiss and Garner, 1945-1958<br>Kirby, Marshall, 1928-1934                                                                                                                                                                                                                                                                                                                                                 |
| BOX 13 | Komatsu, Mieko, 1959-1972<br>Larson, John and Marion Agnes, 1960-1972<br>Lennartz, Beatrice, 1968-1972<br>Loewy, Hanna M., 1963-1973<br>Lord, Eda, 1961-1972<br>Marquette, Mary, 1960-1972<br>Martin, John, 1931-1939<br>Maxwell, Helene Johanne (Mrs. Edward Hooker, Mrs. Joseph Brewer),<br>1940-1970<br>Maxwell, William Quentin, 1954-1969<br>McCandless, Ruth (Mrs. R. S.) and Duncan, 1960-1973                                                                                                                                                                           |
| BOX 14 | Newell, Hope, 1959-1965<br>Nisbet, Ada, 1949-1970<br>Norman, Charles, 1941-1973<br>(4 folders)<br>Pardo, Mimi Hayes (Mrs. Paul), 1958-1973<br>Peters, Agnes D., 1961-1971<br>Pierotti, Dorothy (Mrs. Ray), 1969-1973<br>Rathbone, Augusta, 1968-1973<br>Ratner, Peggy (Mrs. Marc), 1961-1973<br>Schuyler, William J., 1962-1969<br>Shepard, Morgan <a href="#"><u>See Container 13, Martin, John</u></a><br>Shreve, Agnes A., 1970-1973<br>Smythe, Daniel Webster, 1937-1948<br>Sutherland, Gilberte (Mrs. Donald), 1964-1973<br>Tucker, Elizabeth (Mrs. Shepard S.), 1971-1973 |

Personal Correspondence of Barbara Gamow, 1928-1973

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Wedmore, Keith, 1957-1962

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| BOX 15-27 | Speeches and Writings File, 1926-1970<br>Books and articles in manuscript, typescript, galley, and printed form,<br>including some correspondence, reviews, and related material, and<br>speeches and book reviews.<br>Arranged by type of material. Articles are arranged chronologically and<br>books are arranged alphabetically by title, with printed copies at the end. |
| BOX 15    | Articles<br>1926-1949<br>(62 folders)                                                                                                                                                                                                                                                                                                                                         |
| BOX 16    | 1950-1969<br>(40 folders)                                                                                                                                                                                                                                                                                                                                                     |
| BOX 17    | Undated<br>(10 folders)<br>Book reviews<br><i>Niels Bohr</i> , by Ruth Moore<br><i>Otto Hann</i> , translated and edited by Willy Ley<br>Speeches<br>Remarks at Cosmological Conference, undated<br>Caracas, Venezuela, Conference, 1957<br>Books<br>"Basic Theories of Modern Physics," manuscripts and illustrations, 1967<br>(9 folders)<br>(12 folders)                   |
| BOX 18    |                                                                                                                                                                                                                                                                                                                                                                               |
| BOX 19    | <i>Biography of Physics</i> (1961)                                                                                                                                                                                                                                                                                                                                            |
| BOX 20    | <i>Biography of the Earth</i> (1941), manuscript inserts, French edition, circa<br>1955<br>"Collisions of Galaxies and Cosmology," chapter typescript and Spanish<br>translation, 1962<br><i>Gravity</i> (1962), illustrations<br><i>Matter, Earth, and Sky</i> (1958)<br>Manuscripts and typescripts<br>(15 folders)<br>(21 folders)<br>(22 folders)<br>(20 folders)         |
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| BOX 23    |                                                                                                                                                                                                                                                                                                                                                                               |
| BOX 24    | <i>Mr. Tompkins in Paperback</i> (1965)<br>Typescript<br>(5 folders)<br>Manuscript fragment<br>Miscellany<br><i>Mr. Tompkins Inside Himself</i> (1967)<br>Preface<br>Corrections and correspondence<br>Illustrations<br>(2 folders)                                                                                                                                           |



Speeches and Writings File, 1926-1970

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|           | <i>Mr. Tompkins Learns the Facts of Life</i> (1953), preface not used, 1964                                                                                                                  |
|           | <i>My World Line</i> (1970)                                                                                                                                                                  |
|           | Manuscripts, circa 1968                                                                                                                                                                      |
|           | Chapters 1-3                                                                                                                                                                                 |
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| BOX 25    | Final typescripts                                                                                                                                                                            |
|           | Illustrations, notes, index                                                                                                                                                                  |
|           | Galleys                                                                                                                                                                                      |
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|           | Miscellaneous notes, articles, sources                                                                                                                                                       |
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|           | Uncorrected proof                                                                                                                                                                            |
|           | " <i>Relativity, Gravity, and Cosmology</i> ," preface, 1964 (not published)                                                                                                                 |
|           | " <i>The Sacred Grove</i> ," George Gamow's translation of a poem by Edmond Rostand                                                                                                          |
|           | <i>A Star Called the Sun</i> (1964), typescript carbon                                                                                                                                       |
|           | (2 folders)                                                                                                                                                                                  |
| BOX 26    | <i>Thirty Years That Shook Physics</i> (1966)                                                                                                                                                |
|           | Manuscript                                                                                                                                                                                   |
|           | (5 folders)                                                                                                                                                                                  |
|           | Typescript                                                                                                                                                                                   |
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|           | " <i>The Universe in the Making</i> ," manuscript                                                                                                                                            |
|           | (2 folders)                                                                                                                                                                                  |
| BOX 27    | Printed versions                                                                                                                                                                             |
|           | <i>Biography of Physics</i> (1961), annotated                                                                                                                                                |
|           | <i>The Creation of the Universe</i> (1952), with reviews and correspondence laid in                                                                                                          |
|           | <i>One, Two, Three . . . Infinity</i> (1947), annotated with correspondence from Albert Einstein laid in                                                                                     |
|           | <i>Thirty Years That Shook Physics</i> (1966), annotated with reviews laid in (2 copies)                                                                                                     |
| BOX 28-30 | Miscellany, 1931-1974                                                                                                                                                                        |
|           | Newspaper clippings, printed matter, scrapbooks, correspondence, miscellaneous personal records, notes, drawings, greeting cards, book reviews, and other material.                          |
|           | Arranged alphabetically by type of material. Final box contains oversize awards, certificates, a drawing, and illustrations, arranged alphabetically by type of material, title, or subject. |
| BOX 28    | Bibliographical and biographical material regarding George Gamow, circa 1940-1973, undated                                                                                                   |
|           | (7 folders)                                                                                                                                                                                  |
|           | Calendar and address book, 1968                                                                                                                                                              |
|           | Consulting agreements, 1956-1958                                                                                                                                                             |
|           | Cosmology research notes                                                                                                                                                                     |
| BOX 29    | Drawings by George Gamow                                                                                                                                                                     |

Miscellany, 1931-1974

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|          | <i>Faust; Eine Historie</i>                                                                                  |
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|          | Medical charts and related matter., 1947-1968                                                                |
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|          | Notes, cards, and travel itineraries                                                                         |
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|          | Printed matter                                                                                               |
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| BOX 30   | Reviews and comments on George Gamow's books, 1959-1966                                                      |
|          | "RNATIE Club," 1954-1955, 1966                                                                               |
|          | Russian poems from memory, undated                                                                           |
|          | Scrapbooks, "A Gamovian Miscellany," 1931-1968                                                               |
|          | (3 vols.)                                                                                                    |
| BOX OV 1 | Oversize, 1951-1970                                                                                          |
|          | Awards and certificates, illustrations, miscellaneous drawings, photography album, and other oversize items. |
|          | Arranged alphabetically according to subject of type of material.                                            |
| BOX OV 1 | Awards and certificates, 1951-1965                                                                           |
|          | Book illustrations                                                                                           |
|          | <i>Matter, Earth, and Sky</i> (1958)                                                                         |
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|          | (7 folders)                                                                                                  |
|          | Garage window decorations, undated                                                                           |
|          | Miscellaneous drawings, 1961, undated                                                                        |
|          | Lukas, Jerry, photograph album drawing, 1970                                                                 |
|          | Manuscripts and illustrations                                                                                |
|          | (19 folders)                                                                                                 |