# Nicholas E. Golovin Papers

# A Finding Aid to the Collection in the Library of Congress

Prepared by Kathleen Dondanville



## Manuscript Division, Library of Congress

Washington, D.C.

### 2010

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### Collection Summary

Title: Nicholas E. Golovin Papers

Span Dates: 1943-1970 Bulk Dates: (bulk 1958-1969)

ID No.: MSS57265

Creator: Golovin, Nicholas E. (Nicholas Erasmus), 1912-1969

Extent: 10,125 items; 27 containers; 10.8 linear feet

Language: Collection material in English

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

Abstract: Physicist, government official, and presidential advisor for aviation and space science. Correspondence, memoranda, speeches and writings, reports, notes, working diaries, agenda and meeting summaries, academic, employment, and military records, clippings, photographs, and other papers pertaining chiefly to Golovin's administrative positions at the National Bureau of Standards, National Aeronautics and Space Administration, and the United States Office of Science and Technology.

### 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

Coler, Myron A. (Myron Abraham), 1913-

Coler, Myron A. (Myron Abraham), 1913- Essays on creativity in the sciences (1963)

Condon, Edward Uhler, 1902-1974.

Golovin. Anne Castrodale.

Golovin, Nicholas E. (Nicholas Erasmus), 1912-1969.

Hornig, Donald F., 1920-

Johnson, Lyndon B. (Lyndon Baines), 1908-1973. Kennedy, John F. (John Fitzgerald), 1917-1963. Murphy, Charles S. (Charles Springs), 1909-

Wiesner, Jerome B. (Jerome Bert), 1915-1994.

Organizations

International Astronautical Congress.

Large Launch Vehicle Planning Group.

New York University. Creative Science Program.

Project Apollo (U.S.)

United States. Advanced Research Projects Agency.

United States. National Aeronautics and Space Administration.

United States. National Bureau of Standards.

United States. Office of Science and Technology.

United States. President's Science Advisory Committee.

### **Subjects**

Aeronautics.

Launch vehicles (Astronautics)

Manned space flight.

Program budgeting.

Science and state--United States.

Science--Study and teaching.

Separation of powers--United States.

Social sciences and state--United States.

Space sciences.

Space vehicles--Propulsion systems.

Space vehicles.

Supersonic transport planes.

Technology and state--United States.

**Places** 

United States--Politics and government--1961-1963. United States--Politics and government--1963-1969.

White Sands Missile Range (N.M.)

Occupations

Physicists.

Public officials.

### Administrative Information

#### Provenance

The papers of Nicholas E. Golovin, physicist, government official, and presidential adviser for aviation and space science, were given to the Library of Congress by his widow, Anne Golovin, in 1977.

### Processing History

The papers of Nicholas E. Golovin were arranged and described in 1991. The finding aid was revised in 2010.

### Copyright Status

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

#### Access and Restrictions

The papers of Nicholas E. Golovin 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, Nicholas E. Golovin Papers, Manuscript Division, Library of Congress, Washington, D.C.

### Biographical Note

Date Event

1912, Mar. 1 Born, Odessa, Russia

1923 Immigrated to the United States

1932 Married Sophia Walsh (divorced 1946)

1933-1936 A.B. in mathematics and M.A. in mathematical physics, Columbia University,

New York, N.Y.

1934-1942	Research statistician and administrator, R. H. Macy & Co., New York, N.Y.
1943-1944	Chief, Production and Requirements Analysis Section, Tools Division, United States War Production Board, Washington, D.C
1944-1946	Lieutenant, United States Naval Reserve
1945-1947	Associate superintendent, Electricity Division, Naval Research Laboratory, Washington, D.C.
1948 .	Chief of the management planning staff, Naval Ordnance Test Station, Inyokern, Calif
1949-1958	Successive appointments as executive assistant to the director, assistant director of administration, and associate director of planning, National Bureau of Standards, Washington, D.C.
1951, May 26	Married Lillian M. Wessels (date of divorce unknown)
1955	Ph.D. in theoretical physics, George Washington University, Washington, D.C.
1956	Graduated, nuclear reactor engineering course at Oak Ridge School of Reactor Technology, Oak Ridge, Tenn.
1958	Chief scientist, White Sands Missile Range, White Sands, N.Mex.
1958-1969	Associate member, Creative Science Program, New York University, New York, N.Y.; contributed to publication edited by program director Myron A. Coler, <i>Essays on Creativity in the Sciences</i> (New York: New York University Press, 1963. 235 pp.)
1959	Director, Technical Operations Division, Advanced Research Projects Agency, Department of Defense, Washington, D.C.
1960	Deputy associate of administration, National Aeronautics and Space Administration, Washington, D.C. Vice president and general manager, Rabinow Engineering Co., Takoma Park, Md.
1961-1962	Director, National Aeronautics and Space Administration and Department of Defense Large Launch Vehicle Planning Group, Washington, D.C.
1962-1968	Technical adviser, Office of the Special Assistant to the President for Science and Technology, Washington, D.C.
1966	Married Anne Castrodale
1968-1969	Research associate, Brookings Institution, Washington, D.C., and the John F. Kennedy School of Government, Harvard University, Cambridge, Mass.
1969, Apr. 27	Died, Washington, D.C.

### Scope and Content Note

The papers of Nicholas Erasmus Golovin (1912-1969) span the period 1943-1970, with the bulk of the material dated between 1958 and 1969. The collection primarily documents Golovin's professional and academic activities as an administrator, physicist, and presidential technical adviser in the field of space science and technology. In a general sense, the papers also reveal some of the prevalent attitudes of the Great Society era in which Golovin worked. Many of his projects reflect a strong interest in the advancement of space science and exploration, and the concept of using modern technology to solve social and racial problems. The Golovin Papers have generally been kept in their original order and are divided into five series: Personal File, Chronological File, Speeches and Writings, Office of Science and Technology, and New York University Creative Science Program.

The <u>Personal File</u> (1943-1970) contains a wide variety of materials. Included is correspondence between Golovin and friends, colleagues, and business associates, primarily relating to employment opportunities, the direction of their professional careers, and other work-related topics. Very little of this correspondence concerns Golovin's personal family life. The series also contains military, academic, and employment records, biographical materials, magazine articles of interest or relating to Golovin, certificates of award, notes and newspaper clippings regarding books in which Golovin held an interest, and several photographs. A few pieces of correspondence between his widow, Anne Golovin, and one of Golovin's business associates, written after Golovin's death in 1970, are included in this file.

The <u>Chronological File</u> (1949-1969) contains correspondence, memoranda, reports, meeting summaries, working diaries, and notes documenting Golovin's daily professional activities at the National Bureau of Standards, White Sands Missile Range, Advanced Research Projects Agency, National Aeronautics and Space Administration (NASA), and the Office of Science and Technology. Records from the National Bureau of Standards primarily concern routine, administrative matters, while later records created during Golovin's tenure at NASA and the Office of Science and Technology contain substantial information on space science and technology projects. Of particular interest are records dating from 1960 to 1961 documenting his work with the Large Launch Vehicle Planning Group, a program sponsored by NASA and the Department of Defense that developed launch vehicles appropriate for lunar and planetary exploration.

Materials documenting his daily activities in the Office of Science and Technology as technical adviser for aviation and space science are also of special significance. Included are memoranda and reports prepared by Golovin and sent to the White House regarding such topics as the supersonic transport noise problem, space propulsion systems, and the development of manned space flight. The Chronological File also includes invitations and itineraries relating to Golovin's public and professional activities in various scientific organizations and correspondence regarding his numerous technical writing projects. Prominent correspondents include Edward Uhler Condon, Donald F. Hornig, Charles S. Murphy, Jerome B. Wiesner, and other professionals.

The <u>Speeches and Writings</u> series (1957-1969) is comprised mostly of notes, drafts, and final copies and printed versions of addresses, remarks, lectures, articles, book reviews, and papers by Golovin. Speeches and writings are primarily concerned with space science and technology. Of significance are materials relating to Golovin's well-known paper entitled "A Fourth Branch of Government." Written with financial support from the Ford Foundation, Golovin's paper proposed the creation of an additional branch of government designed to function independently from the original three branches. This fourth branch would employ physicists and social scientists to make sound technological choices in public policy. Included are the proposal's original research notes and later typewritten transcriptions completed under the direction of Golovin's wife after his death.

The Office of Science and Technology series (1962-1969) primarily consists of correspondence, memoranda, reports, and notes pertaining to Golovin's most significant projects and programs at the Office of Science and Technology. The file includes documentation of his participation in several

International Astronautical Congresses and his role in improving the planning, programming, and budgeting system in the Office of Science and Technology. Most notable in the series are agendas, meeting summaries, press releases, and reports documenting Golovin's work as a member of the Presidential Science Advisory Committee. The committee, composed of government officials and individuals in the science and technology profession, developed recommendations for Presidents John F. Kennedy and Lyndon B. Johnson on such matters as space science vehicles and the Apollo space program.

The final series in the collection is the New York University Creative Science Program file (1958-1969), containing correspondence, memoranda, agendas, papers, bibliographies, and manuscript drafts relating to Golovin's associate membership in Myron Coler's creative science program. This program was primarily concerned with the investigation of creativity patterns in the sciences and the cultivation of creativity as one of the most important educational needs and responsibilities. Records in this series document the research group's seminar sessions and scholarly activities. Also included are chapter drafts and a published copy of Essays on Creativity in the Sciences, a book written by program associates based on seminar findings.

### Arrangement of the Papers

This collection is arranged in five series:

- Personal File, 1943-1970
- Chronological File, 1949-1969
- Speeches and Writings, 1957-1969
- Office of Science and Technology, 1962-1969
- New York University Creative Science Program, 1958-1969

### Description of Series

### Container

Series

**BOX 1-2** 

#### Personal File, 1943-1970

Correspondence between Golovin and friends, colleagues, and business associates pertaining to his career and financial interests; employment, academic, and military records; biographical materials, magazine articles, and newspaper clippings of interest or relating to Golovin; and certificates, notes, and photographs.

Arrangement is by type of material and chronological thereunder.

#### вох 3-13

### Chronological File, 1949-1969

Correspondence, memoranda, reports, meeting summaries, invitations, itineraries, papers, articles, newspaper clippings, news releases, working diaries, and notes documenting Golovin's daily work activities while employed in the field of science and technology.

Arranged in chronological order.

#### BOX 14-19

### Speeches and Writings, 1957-1969

Manuscripts in various stages of preparation, including notes, drafts, final copies, and printed versions of addresses, remarks, lectures, book reviews, papers, and articles by Golovin. Also includes programs and printed materials.

Speeches and writings are organized separately and arranged in chronological order.

### BOX 19-23

### Office of Science and Technology, 1962-1969

Correspondence, memoranda, reports, itineraries, schedules, newspaper clippings, printed materials, and notes pertaining to Golovin's significant projects, programs, and international conferences during his tenure at the Office of Science and Technology.

Arranged by subject and thereunder by type of material.

#### BOX 23-27

### New York University Creative Science Program, 1958-1969

Correspondence, memoranda, agendas, meeting summaries, papers, reports, bibliographies, manuscript drafts, printed materials, and a book pertaining to Golovin's work as an associate of the Creative Science Program at New York University.

Arrangement is by session year and type of material. Files documenting the program's publication project appear at the end of the series and are arranged by type of material.

# Container List

Container	Contents
вох 1-2	Personal File, 1943-1970  Correspondence between Golovin and friends, colleagues, and business associates pertaining to his career and financial interests; employment, academic, and military records; biographical materials, magazine
	articles, and newspaper clippings of interest or relating to Golovin; and certificates, notes, and photographs.  Arrangement is by type of material and chronological thereunder.
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BOX 2	White Sands Missile Range, White Sands, N.Mex., 1958
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вох 3-13	Chronological File, 1949-1969
	Correspondence, memoranda, reports, meeting summaries, invitations, itineraries, papers, articles, newspaper clippings, news releases, working diaries, and notes documenting Golovin's daily work activities while employed in the field of science and technology.  Arranged in chronological order.
	Thrunged in emonotogical order.
вох 3	3 June 1949-Mar. 1958 (9 folders)
BOX 4	4 Apr. 1958-June 1959 (8 folders)
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BOX 14-19	Manuscripts in various stages of preparation, including notes, drafts, final
	copies, and printed versions of addresses, remarks, lectures, book
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	printed materials.
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	Forces Research and Development Officers' Seminar, Washington,
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BOX 14	2 Aug., commencement address, New Mexico College of Agriculture and Mechanic Arts, Las Cruces, N.Mex.
вох 14	18 Nov., remarks, Army Key Civilian Scientists meeting, Washington,
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BOX 14	16 Dec., paper, "Probalistic Models for Forecasting Reliability,"
	Reliability Conference at Redstone Arsenal, Huntsville, Ala.
BOX 14	1959
BOX 14	4 Jan., paper, "Prediction of the Reliability of Complex Systems," Army
	Conference on Design of Experiments, Washington, D.C.
BOX 14	16 Jan., remarks, National Bureau of Standards scientific staff meeting,
	Washington, D.C.
BOX 14	23 Jan., remarks, joint meeting of the Institute of Radio Engineers,
	Aeronautical Research Scientists, and the Institute of Aeronautical Science, Las Cruces, N.Mex.
BOX 14	16 Feb., address, "The Creative Person in Science," Cooper Union
DUA 14	Forum, unidentified organization
BOX 14	20 May
BOX 14	Address, "The Creative Person in Science," Third National Research
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вох 15	10 Dec., remarks, "An Approach to a Reliability Prediction Program," Defense Science Board, Washington, D.C.
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BOX 15	15 Mar., remarks, Aerospace Industries Association on Reliability
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вох 15	5 Dec., address, "Reliability Planning for Space Systems," Institute of Radio Engineers and the Professional Group on Reliability and Quality Control, Los Angeles, Calif.
BOX 15	1961
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BOX 15	24 Oct., remarks, "Space Science and Technology: The Near and Distant Future," unidentified organization
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BOX 15	31 Jan., remarks on space technology and its future, American Rocket Society Chapter
вох 15	17 Dec., remarks, "Obstacles to Attainment of High Probabilities of Mission Success in Space Exploration," National Rocket Club, Washington, D.C.
BOX 15	Undated, paper, "The Role of Planning in the Management of Scientific Research and Development," National Press Club, Washington, D.C.
BOX 15	1964
вох 15	14-18 Sept., paper, "Operations Research and Success in Space Exploration," Western Section of the Operations Research Society of America, Honolulu, Hawaii
вох 15	Undated, remarks, "Reliability Programs and the Problem of Attaining High Probabilities of Mission Success in Space Exploration," Institute of Electrical and Electronic Engineers and American Institute of Aeronautics and Astronautics, Los Angeles, Calif.
BOX 15	1965
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вох 16	NovDec., article, "Management and the Creative Person in Science," Journal of the Society for Personnel Administration
BOX 16	1964
BOX 16	May, article, "Systems Reliability in the Space Program," <i>Industrial Quality Control</i>
BOX 16	1966
BOX 16	24 Feb., paper, "An Approach to Some Problems in a Government Laboratory"
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BOX 16	19 July, review of The Railroad and the Space Program by Bruce Mazlish
вох 16	12 Oct., paper, "Alleviation of Aircraft Noise"
вох 16	30 Nov., comments, "The Next Generation of Launch Vehicles— Evolution or Bold Step," <i>Report of the American Institute of</i> <i>Aeronautics and Astronautics Launch Vehicle and Missile Technical</i> <i>Committee</i>
вох 16	Dec., article, "The Nth Country's Problem in Space Exploration," <i>Bulletin of the Atomic Scientists</i>
вох 16	Undated, review, The Technical Elite, by Jay M. Gould

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