



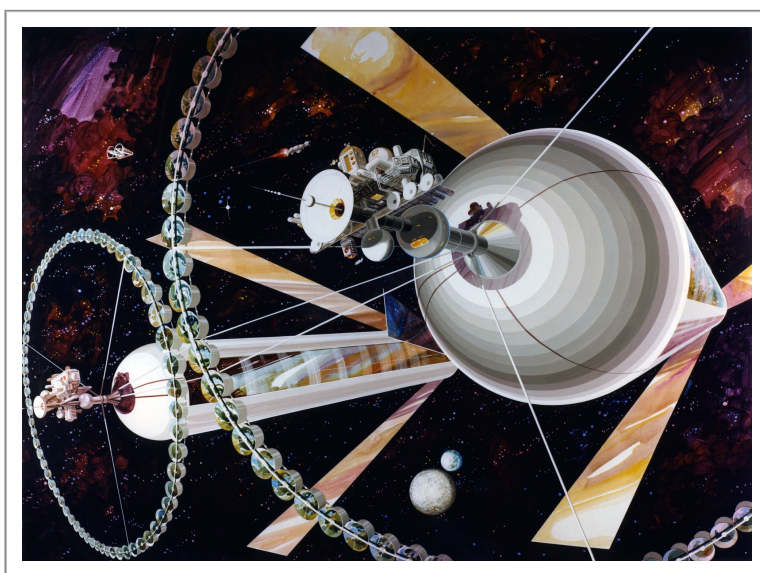
Smithsonian

National Air and Space Museum

The Gerard K. O'Neill Collection Finding Aid

Tyler Love

2014



National Air and Space Museum Archives
14390 Air & Space Museum Parkway
Chantilly, VA 20151
Business Number: Phone: 703-572-4045
NASMRefDesk@si.edu
<https://airandspace.si.edu/archives>

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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Gerard K. O'Neill Collection
Date:	1940s-1993
Identifier:	NASM.2014.0005
Creator:	O'Neill, Gerard
Extent:	26.22 Cubic feet (75 Boxes) 35.14 Linear feet
Language:	English .
Summary:	Gerard Kitchen O'Neill (1927-1992) was an experimental physicist, educator, inventor, entrepreneur, writer and novelist.

Administrative Information

Acquisition Information

Tasha O'Neill, Gift, 2013

Processing Information

File unit titles are original except in cases of titles appearing in brackets which are the processing archivists'.

Series and subseries was determined by the archivist based on existing groupings.

Gerard O'Neill was highly organized with his papers and that organization has been preserved. Almost all folders were labeled by Dr. O'Neill though in a few cases original labels had dried up and fallen off. Some later folders appeared to be labeled by someone else. Commonly, there were hanging folders that served to group together individual folders. In these cases, the file units are named after the hanging folder's broader title and the individual folders are physically reproduced on acid-free paper within the file unit's contents.

Preferred Citation

Gerard K. O'Neill Collection, Acc. 2014-0005, National Air and Space Museum, Smithsonian Institution.

Restrictions

No restrictions on access.

Conditions Governing Use

Material is subject to Smithsonian Terms of Use. Should you wish to use NASM material in any medium, please submit an Application for Permission to Reproduce NASM Material, available at [Permissions Requests](#) .

Biographical / Historical

Gerard Kitchen O'Neill (1927-1992) was an experimental physicist, educator, inventor, entrepreneur, writer and novelist.

Gerard K. O'Neill joined the Navy at age 17, served as a radar technician from 1944 to 1946, graduated from Swarthmore College in 1950 with high honors in Physics, and received his Ph.D. in Physics from Cornell University in 1954. He went to Princeton University in that year as an Assistant Professor, becoming a Full Professor of Physics in 1965. In the 1976-77 academic year he received the honor of serving as the Jerome Clarke Hunsaker Professor of Aerospace at the Massachusetts Institute of Technology. He retired from Princeton in 1985 as professor emeritus.

Dr. O'Neill's main research area was high-energy particle physics and he initiated and led large-scale projects in accelerator construction. In 1956 he invented the storage-ring technique for colliding particle beams, a method which is now the basis for nearly every new high-energy particle accelerator. In 1976 he built his first Mass Driver prototype.

Dr. O'Neill was a pioneer in the field of space colonization; his studies on the humanization of space began in 1969 as a result of his undergraduate teaching at Princeton, and one of his four books, *The High Frontier*, detailed his vision of humanity's movement into Earth-like habitats constructed in space. *The High Frontier* won the Phi Beta Kappa Award as the best science book of 1977. He also authored *2081: A Hopeful View of the Human Future*, *The Technology Edge: Opportunities for America in World Competition* and co-authored a graduate textbook, *Introduction to Elementary Particle Physics*.

In 1977 following the success of *The High Frontier*, Dr. O'Neill founded the non-profit Space Studies Institute. SSI's research included work on mass drivers and the Lunar Polar Probe (renamed Lunar Prospector and flown by NASA.)

In 1967 Dr. O'Neill was a finalist, though ultimately not selected, for NASA's Astronaut Group 6, a group of scientist-astronauts to be given assignments in the Apollo Program. He returned to NASA throughout 1975-1977 to led studies on space habitats and space manufacturing; he testified twice before Congress during that time. In 1985, he was appointed by President Reagan to the National Commission on Space.

In 1983 Dr. O'Neill founded the Geostar Corporation, a satellite based positioning and communication system, based on a patent issued to him.

In 1986, O'Neill founded O'Neill Communications, Inc. which developed LAWN, a local area network device using radio waves and still in use today.

At the time of his death, Dr. O'Neill was working on a form of high-speed ground-based transportation he called "Magnetic Flight" with another company he founded, VSE International.

Dr. O'Neill was an instrument-rated pilot with some 2,500 hours of time in powered aircraft and held the Triple Diamond Badge of the Federation of the Aeronautique Internationale for sail plane flights. He was active in ultralight aircraft aviation and a member of the Experimental Aircraft Association. On most of his travels in connection with research and lectures, he piloted his own small plane.

Dr. O'Neill died from leukemia in 1992; the Clementine Mission of 1994 was dedicated to him.

Scope and Contents

Materials in this collection include notes, business papers, patents, calendar planners, reports, a thesis, correspondence, book drafts, screenplay drafts, university publications, magazines, magazine articles, newspaper articles, glass & 35mm images, photographs, a rolodex.

The researcher should note that the collection also contains VHS tapes and audio cassettes. These items are not included in the container list but a NASM Archives staff person can assist you regarding access.

Arrangement

Organized into 5 series::

- Series 1: Professional Papers
- Series 2: Publications & Reports
- Series 3: Personal Papers
- Series 4: Images
- Series 5: Odd & Oversize

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Astronautics
- Books
- GPS receivers
- Gliders (Aeronautics)
- Physics
- Satellites
- Space colonies
- Space sciences
- Space stations

Types of Materials:

- Book drafts
- Clippings
- Correspondence
- Magazines (periodicals) -- 20th century
- Movie scripts

Places:

- Moon -- Exploration

Container Listing

Series 1: Professional Papers, 1940s-1993

55 Boxes

Box 1

Subseries 1.1: Academia, 1940s-1983

Subseries 1.1.1: Academic Research, 1940s-1981

Arrangement: These materials were grouped together by the creator; file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 1, Folder 1	Physics I Lab Notes, 1940s
Box 1, Folder 2	[Gerard O'Neill, Student], 1940s-1950s Notes: Notes, notebooks, quizzes, papers, handouts.
Box 1, Folder 3	[Gerard O'Neill, Student], 1940s-1950s Notes: Notes, notebooks, quizzes, papers, handouts.
Box 1, Folder 4	[Gerard O'Neill, Student], 1940s-1950s Notes: Notes, notebooks, quizzes, papers, handouts.
Box 1, Folder 5	[Newburgh Free Academy Diploma], 1944
Box 1, Folder 6	CBX [Colliding Beam Experiment] Run Notebook, 1949-1963
Box 1, Folder 7	1960s Work on Storage Rings, 1949-1967 Notes: Includes drawings.
Box 1, Folder 8	1960s Work on Storage Rings, 1949-1967 Notes: Includes drawings.
Box 1, Folder 9	1960s Work on Storage Rings, 1949-1967 Notes: Includes drawings.
Box 2, Folder 1	[Swarthmore College Commencement Materials], 1950
Box 2, Folder 2	Princeton - Stamford Experiment [Colliding Beam Experiment], 1951-1965
Box 2, Folder 3	[Time of Flight Measurements on the Inelastic Scattering of 14.8 MEV Neutrons - Gerard O'Neill's Thesis], 1954

Box 2, Folder 4	[Russian Language Study Notebook], circa 1955?
Box 2, Folder 5	1950's Work on Storage Rings [Notebook], 1956
Box 2, Folder 6	1950's Work on Storage Rings [Notebook], 1956
Box 2, Folder 7	1950's Work on Storage Rings, 1956-1985 Notes: Correspondence, articles, essays, photo and publications: <i>Nucleus</i> 1962; <i>Scientific American</i> 1966.
Box 2, Folder 8	1950's Work on Storage Rings, 1956-1985 Notes: Correspondence, articles, essays, photo and publications: <i>Nucleus</i> 1962; <i>Scientific American</i> 1966.
Box 2, Folder 9	[Series of Selected Papers in Physics - Electronics in Nuclear Physics published by the Physical Society of Japan], 1957 Notes: Contains Gerard O'Neill's "Direct Reading Analyzer for Short Time Intervals" reprinted from <i>The Review of Scientific Instruments</i> , 1955.
Box 2, Folder 10	[The Physical Review Vol.115 No.3], 1959 Notes: With "Intersecting-Beam Systems with Storage Rings" by Gerard O'Neill and E.J. Woods.
Box 3, Folder 1	[Drawing : "Proposed Plot Plan of New Prin-Penn Accelerator"], 1956
Box 3, Folder 2	Colliding Beam Experiment (CBX) Notebooks, 1963-1964
Box 3, Folder 3	Colliding Beam Experiment (CBX) Notebooks, 1963-1964
Box 3, Folder 3	Colliding Beam Experiment (CBX) Technical Readout, 1963-1964
Box 3, Folder 4	Colliding Beam Experiment (CBX) Notebooks, 1963-1964
Box 3, Folder 5	CBX [Colliding Beam Experiment] - Run Data & Detector Notes, 1963-1964 Notes: Includes photos.
Box 3, Folder 6	Princeton - Office of Public Information, 1965 Notes: Press releases, newspaper articles on Colliding Beam Experiment.
Box 3, Folder 7	[Papers/Presentations re: Colliding Beam Experiment], 1966-1970
Box 3, Folder 8	CBX [Colliding Beam Experiment] Correspondence with University, 1975-1981
Box 3, Folder 9	CBX [Colliding Beam Experiment] Correspondence with University, 1975-1981
Box 4, Folder 1	Proposal Sections & Copies, UNDATED

Box 4, Folder 2 [Reports by Federbush, UNDATED](#)

Subseries 1.1.2: Teaching Materials, 1973-1983

Arrangement: These materials were grouped together by the creator; file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 4, Folder 3 [Reference Articles - Physics III - II2, 1973-1981](#)

Box 4, Folder 4 [Physics III/II2 General Info from Earlier Years, 1979-1980](#)

Box 4, Folder 5 [Physics III Lectures & Quizzes 1979-80, 1979-1980](#)
Notes: Contains transparency and color slide.

Box 4, Folder 6 [Physics II2 1979-80, 1979-1980](#)

Box 4, Folder 7 [Source Material, 1980](#)

Box 4, Folder 8 [Physics III 1980-81, 1980-1981](#)

Box 4, Folder 9 [Lectures 1982-3, 1980-1983](#)

Box 4, Folder 10 [Physics II2 1980-1, 1981-1983](#)

Box 5, Folder 1 [Physics III & Physics II2 1982-3 Term Paper Topics, 1981-1983](#)

Box 5, Folder 2 [Course Meetings, 1982-1983](#)

Box 5, Folder 3 [Physics III - Physics II2 1982-3, 1982-1983](#)

Box 5, Folder 4 [\[Physics Class Material - Miscellaneous\], 1982-1983](#)

Box 5, Folder 5 [Quizzes & Practice Problems Current Course, 1982-1983](#)

Box 5, Folder 6 [\[Physics III 1982-3\], 1982-1983](#)

Box 5, Folder 7 [Syllabus & Organiz., 1983](#)

Box 5, Folder 8 [Physics II2 Labs, 1983](#)

Subseries 1.2: Historical Documents, 1964-1977

Arrangement: These materials were grouped together by the creator and given the group title of "Historical Documents;" file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 5, Folder 9	Info & Documents Picked Up in Course of Astronaut-Selection Process, 1964-1971
Box 6, Folder 1	Notes & Refs. in Prep of Science Article on Composite Orbiting Telescope, 1966-1968
Box 6, Folder 2	Notes & Refs. in Prep of Science Article on Composite Orbiting Telescope, 1966-1968
Box 6, Folder 3	Work & Travel Records, 1968
Box 6, Folder 4	[Historical Documents, Miscellaneous], 1972-1973
Box 6, Folder 5	Purcell Letter - Original, 1974 Notes: Correspondence to Prof. E. Purcell from Gerard O'Neill re: space colonies.
Box 6, Folder 6	Press Package - Originals, 1974
Box 6, Folder 7	Living in Space, 1977

Subseries 1.3: Mass Driver, 1971-1982

Arrangement: These materials were grouped together by the creator and given the group title of "Mass Driver;" file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 6, Folder 8	[Mass Driver Miscellanous], 1971-1981 Notes: Articles, notes, correspondence. Includes "Construction and Testing of the 2.5m Mass Driver" by W.R. Snow and Gerard K. O'Neil
Box 6, Folder 9	[Mass Driver Miscellanous], 1971-1981 Notes: Articles, notes, correspondence. Includes "Construction and Testing of the 2.5m Mass Driver" by W.R. Snow and Gerard K. O'Neil
Box 6, Folder 10	[Mass Driver Miscellanous], 1971-1981 Notes: Articles, notes, correspondence. Includes "Construction and Testing of the 2.5m Mass Driver" by W.R. Snow and Gerard K. O'Neil
Box 6, Folder 11	Mass Driver Notes - Gerard O'Neill, 1973-1981
Box 7, Folder 1	MDRE / Ion Drive Comparison, 1974-1979
Box 7, Folder 2	Second Mass Driver Model Including Work Notes & Correspondence with Students, 1977-1978
Box 7, Folder 3	Mass Driver Meetings 5/24/78 (PTN) & 6/20/78 (LERC), 1977-1978
Box 7, Folder 4	Working Notes Autumn 1977, 1977-1978

Box 7, Folder 5	Mass Driver Briefing, 1978
Box 7, Folder 6	Mass Driver Working Notes 1978, 1978-1979
Box 7, Folder 7	Mass Driver Design & Mission Performance, 1979-1980 Notes: Contains notes, color slide and viewgraphs.
Box 7, Folder 8	Mass Driver Calc NS & Briefing Notes, 1980-1981
Box 7, Folder 9	6/81 High Alpha Mass Driver Model, 1980-1981
Box 7, Folder 10	Mass Driver Funding, 1980-1981
Box 7, Folder 11	Essential Mass Driver Notes, 1980-1982
Box 8, Folder 1	M3 Notes, 1980-1982 Notes: Original folder label in its entirety read "M3 Notes 1982 (Mainly Development of M3 & M31.) Includes Some Earlier."
Box 8, Folder 2	To/From R. Muratore (Summer 1981), 1981
Box 8, Folder 3	Mass Driver Reprints 1981 & After, & Bibliography, 1981
Box 8, Folder 4	Mass Driver Wave Calculation, 1981
Box 8, Folder 5	M3 Mass Driver Programs into 1982, 1981-1982
Box 8, Folder 6	Mass Driver Calculations, 1981-1982
Box 8, Folder 7	To/From L. Snively, 1982
Box 8, Folder 8	Viewgraphs (Mass Driver), UNDATED
Box 8, Folder 9	[Viewgraphs], UNDATED Notes: Identified as "Viewgraphs for Sept. 6-12 IAF Meeting in Rome."
Box 8, Folder 10	Grover Tables, UNDATED

Subseries 1.4: Companies, 1945-1992

Arrangement: Arranged in order of the company's founding.

Subseries 1.4.1: Space Studies Institute (SSI), 1973-1988

Arrangement: These materials appear to have been grouped together by the creator and were received in boxes labeled "Files from SSI" by the donor; file unit names are the creator's and someone unknown; when in brackets, the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 8, Folder 11	Gerard O'Neill: Space Studies Institute. Miscellaneous, 1973, 1984-1986
Box 8, Folder 12	Space Studies Institute: Miscellaneous Correspondence to Gerard O'Neill, 1976, 1986
Box 8, Folder 13	[Space Studies Institute Miscellaneous], 1977-1995 Notes: Includes correspondence, book dedications, articles, interview transcripts, meeting minutes, patent applications.
Box 9, Folder 1	[Space Studies Institute Miscellaneous], 1977-1995 Notes: Includes correspondence, book dedications, articles, interview transcripts, meeting minutes, patent applications.
Box 9, Folder 2	Patent Application for Space Studies Institute, 1979
Box 9, Folder 3	Space Studies Institute, Non-Articles, But to Keep at Home. Not Chrono, 1980-1989
Box 9, Folder 4	Space Studies Institute: The High Frontier 1988 Chapter, 1980-1989
Box 9, Folder 5	Legal Account, 1981-1986
Box 9, Folder 6	Patent Information, 1981-1990
Box 9, Folder 7	Patent, 1982-1983
Box 9, Folder 8	Gerard O'Neill: Space Studies Institute. Tech. Info: Space Research, 1982-1985
Box 9, Folder 9	Gerard O'Neill: Space Studies Institute Agreements Conf., 1984-1986
Box 9, Folder 10	[Memos & Correspondence re: Publicity?], 1984-1991 Notes: Gerard O'Neill's label for this folder fell off. Includes correspondence, notes, magazine articles and a "Sierra Essay."
Box 9, Folder 11	OMNI LPP [Lunar Polar Probe] Article, 1984, 1989
Box 10, Folder 1	[Space Studies Institute Confidential Newsletters], 1984-1993
Box 10, Folder 2	Gerard O'Neill: Space Studies Institute. Conference, 1985
Box 10, Folder 3	Gerard O'Neill: Space Studies Institute. AIAA [American Institute of Aeronautics and Astronautics] Correspondence, 1985
Box 10, Folder 4	Gerard O'Neill: Space Studies Institute / National Commission on Space; Gerard O'Neill Meeting President USA, 1985
Box 10, Folder 5	Gerard O'Neill: Miscellaneous Mass Driver, New Invention Confidentiality Agreement, 1985-1986

Box 10, Folder 6	Gerard O'Neill Bio [Materials], 1985-1989
Box 10, Folder 7	Space Studies Institute: Useful Notes for Writing Tasks, 1985-1989
Box 10, Folder 8	OMNI, 1986-1987 Notes: Advertisement placed in <i>OMNI</i> by Space Studies Institute.
Box 10, Folder 9	Space Studies Institute (Not Chrono), 1986-1991
Box 10, Folder 10	Space Studies Institute (Not Chrono), 1986-1991
Box 10, Folder 11	Articles, Non-Geostar, Mainly by Gerard O'Neill Re: Space Studies Institute, 1987-1991
Box 10, Folder 12	Space Studies Institute - Chrono File, 1987-1991
Box 10, Folder 13	Space Studies Institute - Chrono File, 1987-1991
Box 10, Folder 14	OMNI Ad, 1988?
Box 11, Folder 1	SA Confidential Newsletter, 1988
Box 11, Folder 2	OP EDS / LA & WA Times, 1988-1989 Notes: "Power From Space" & "Energy from the Biosphere" by Gerard O'Neill as O'Neill Communications, Inc. released them and the versions that appeared in the Los Angeles Times, The Washington Times & The Austin American-Statesman. Also contains "Soviet Cosmonautics: Questions & Answers" by Aleksandr Proskurin.
Box 11, Folder 3	Gerard O'Neill - Bd. Devel. [Board of Directors Development for Space Studies Institute], 1988-1992 Notes: Correspondence, notes, Xeroxed articles.
Box 11, Folder 4	Air & Space, 1989 Notes: Xerox copy of article on Gerard O'Neill: "Gerry's World" by Al Reinert.
Box 11, Folder 5	Gerard O'Neill - Better World [Society] & BOS, 1990 Notes: Includes a copy of <i>Insight</i> March 12, 1990.
Box 11, Folder 6	GK - "Plan", 1990
Box 11, Folder 7	Sierra, 1991 Notes: Text for an article? written by Gerard O'Neill for the Sierra Club's magazine.
Box 11, Folder 8	Where Next, Columbus? [Smithsonian Exhibition], 1991
Box 11, Folder 9	Space Studies Institute Chrono., 1991-1992

Box 11, Folder 10	GK Phone List, 1992
Box 11, Folder 11	PBS Questions, 1992
Box 11, Folder 12	[National] Forum Article, 1992 Notes: Correspondence and "Development Replaces Dogma: Exploiting Space Resources for Humanity" by Gerard O'Neill.
Box 11, Folder 13	Memorial Service, 1992
Box 11, Folder 14	[Text for Gerard O'Neill's Obituary Notice in Physics Today], 1992
Box 11, Folder 15	[Clementine Mission Information Pack], 1992
Box 11, Folder 16	Swarthmore [Magazine Article], 1992 Notes: "Let the Sun Shine In" by Gerard O'Neill.
Box 11, Folder 17	VSE-Space Studies Institute Partnership, 1992
Box 11, Folder 18	[Freeman] Dyson [Statement/Press Release], 1992
Box 11, Folder 19	ISU [International Space University], 1993 Notes: Also contains color slides.
Box 11, Folder 20	Japan TV, 1994 Notes: Correspondence.
Box 11, Folder 21	Japan Article, 1994 Notes: Correspondence.
Box 11, Folder 22	[Low Mass Solar Power Satellites Built from Lunar or Terrestrial Materials: Final Report], 1994
Box 11, Folder 23	Ad Astra advert, 1994 Notes: Copy of magazine <i>Ad Astra</i> Jan/Feb.
Box 11, Folder 24	SunSat Energy Council, 1994
Box 11, Folder 25	OMNI, 1994
Box 11, Folder 26	["Space Studies Institute Directors' Meeting and Governing Members' Meeting Briefing Book"], 1995
Box 11, Folder 27	VSE, 1995 Notes: Correspondence re: patent.
Box 11, Folder 28	[Space Studies Institute Newsletters], 1998

Box 11, Folder 29 [Gerard O'Neill Portrait - Color Negative], UNDATED

Subseries 1.4.2: Geostar Corporation, 1945-1988

Arrangement: These materials were grouped together by the creator; file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 12, Folder 1 Physics Research, 1945-1985

Box 12, Folder 2 Patents/Trademarks 1980-1986, 1967-1989

Box 12, Folder 3 Patents/Trademarks 1980-1986, 1967-1989

Box 12, Folder 4 Patents/Trademarks 1980-1986, 1967-1989

Box 12, Folder 5 Patents/Trademarks 1980-1986, 1967-1989

Box 12, Folder 6 Patents/Trademarks 1980-1986, 1967-1989

Box 12, Folder 7 Patents/Trademarks 1980-1986, 1967-1989

Box 12, Folder 8 Patents/Trademarks 1980-1986, 1967-1989

Box 13, Folder 1 Patents/Trademarks 1980-1986, 1967-1989

Box 13, Folder 2 Patents/Trademarks 1980-1986, 1967-1989

Box 13, Folder 3 RCA - EIMAC, 1975-1983

Box 13, Folder 4 Book Related, 1975-1992

Box 13, Folder 5 Duplicates for Physics Guy, 1978-1986
Notes: Articles by Gerard O'Neill, *OMNI* magazines.

Box 13, Folder 6 GFRB, 1979-1986
Notes: RCA correspondence, notes.

Box 14, Folder 1 [Geostar Business Plan], 1981-1985
Notes: Research materials, studies, notes, correspondence, budgets.

Box 14, Folder 2 [Geostar Business Plan], 1981-1985
Notes: Research materials, studies, notes, correspondence, budgets.

Box 14, Folder 3 Administration, 1981-1986

Box 14, Folder 4 TECH 1982-1986, 1981-1986

Box 14, Folder 5	TECH 1982-1986, 1981-1986
Box 14, Folder 6	TECH 1982-1986, 1981-1986
Box 14, Folder 7	TECH 1982-1986, 1981-1986
Box 14, Folder 8	TECH 1982-1986, 1981-1986
Box 14, Folder 9	TECH 1982-1986, 1981-1986
Box 15, Folder 1	TECH 1982-1986, 1981-1986
Box 15, Folder 2	TECH 1982-1986, 1981-1986
Box 15, Folder 3	TECH 1982-1986, 1981-1986
Box 15, Folder 4	TECH 1982-1986, 1981-1986
Box 15, Folder 5	TECH 1982-1986, 1981-1986
Box 15, Folder 6	TECH 1982-1986, 1981-1986
Box 15, Folder 7	TECH 1982-1986, 1981-1986
Box 15, Folder 8	TECH 1982-1986, 1981-1986
Box 15, Folder 9	Safekeeping, 1981-1989
Box 15, Folder 10	Sugarbush, 1982
Box 15, Folder 11	Satellite Conference, 1982
Box 16, Folder 1	Sierra Test, 1982-1983
Box 16, Folder 2	[The Geostar Location and Information-Transfer System], 1982-1983
Box 16, Folder 3	Marketing, 1982-1983
Box 16, Folder 4	Marketing, 1982-1983
Box 16, Folder 5	Gerard O'Neill Computer Card File Updates, 1982-1984
Box 16, Folder 6	Venture Notes, 1982-1984
Box 16, Folder 7	Personnel, 1982-1986
Box 17, Folder 1	Geostar-Related, 1982-1986

Box 17, Folder 2	Geostar Corporation, 1982-1987
Box 17, Folder 3	[Private Placement Memorandum], 1983
Box 17, Folder 4	RCA, 1983 Notes: Correspondence, notes, meeting minutes, diagrams, advertisements, study outline, Geostar Satellite System Final Report.
Box 17, Folder 5	Sierra Test - Osborne File
Box 17, Folder 6	Geostar Corporation Preliminary Business Plan, 1983
Box 17, Folder 7	National Telesystems Conference, 1983
Box 17, Folder 8	Judge Advocate, 1983
Box 17, Folder 9	Institute of Electrical & Electronics Engineers Conference, 1983
Box 18, Folder 1	SAE Conference, 1983
Box 18, Folder 2	Aeronautical Frequency Committee, 1983
Box 18, Folder 3	Cable TV Summit, 1983
Box 18, Folder 4	[Communications re: Geostar], 1983
Box 18, Folder 5	Norland Corp., 1983-1984 Notes: Correspondence, license agreement, system proposal, notes.
Box 18, Folder 6	International Omega Association, 1983-1984
Box 18, Folder 7	Global Civil Satellite Navig. [NAV '84 Conference], 1983-1984
Box 18, Folder 8	Royal Aeronautical Society, 1983-1984
Box 18, Folder 9	IBM, 1983-1984
Box 18, Folder 10	National Ocean Industries Association, 1983-1984
Box 18, Folder 11	Radio Technical Commission for Maritime Services, 1983-1984
Box 18, Folder 12	National Center for Policy Analysis "The Next Frontier", 1983-1984
Box 18, Folder 13	International Council of Aircraft Owner and Pilot Associations, 1983-1984
Box 18, Folder 14	Satellite Communications Users Conference, 1983-1984

Box 18, Folder 15	New Mexico Department of Game & Fish, 1983-1984
Box 19, Folder 1	[Geostar Testing], 1983-1986 Notes: Includes correspondence, notes, data, reports, articles and the publication <i>Navigation</i> .
Box 19, Folder 2	FCC & Related, 1983-1986
Box 19, Folder 3	Business Plan, Budgets, CHG MTGS, 1983-1987
Box 19, Folder 4	RCA Astro, 1983-1987
Box 19, Folder 5	Gerard O'Neill Articles & Memos RE: Geostar, 1983-1989
Box 19, Folder 6	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 19, Folder 7	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 1	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 2	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 3	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 4	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 5	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 6	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 7	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 8	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 9	Chrono: Gerard O'Neill 1983-1991, 1983-1992 Notes: Memos, meeting notes, correspondence.
Box 20, Folder 10	Chrono: Gerard O'Neill 1983-1991, 1983-1992

Notes: Memos, meeting notes, correspondence.

Box 21, Folder 1	Business Week, 1984
Box 21, Folder 2	Yankee Group Telecommunications, 1984
Box 21, Folder 3	Magazine Publishers, 1984
Box 21, Folder 4	Institute of Navigation, 1984
Box 21, Folder 5	Space Technology Conference & Expo, 1984
Box 21, Folder 6	Satellite Navigation System Hearing, 1984
Box 21, Folder 7	American Trucking Assoc/ATA/MSC Nat'l Workshop, 1984
Box 21, Folder 8	Financing Business in Space, 1984
Box 21, Folder 9	ACRI, 1984
Box 21, Folder 10	American Public Transit Association, 1984
Box 21, Folder 11	Financing Options for Space Ventures, 1984
Box 21, Folder 12	Technical Specs, 1984
Box 21, Folder 13	Geostar Corporation Business Plan, 1984
Box 21, Folder 14	Geostar Concept Study, 1984
Box 21, Folder 15	Geostar Corporation Memorandum, 1984
Box 22, Folder 1	Geostar Corporation Memorandum, 1984
Box 22, Folder 2	Prime Host Deals, 1984-1985
Box 22, Folder 3	Americom (Business), 1984-1985
Box 22, Folder 4	Transmit / Receive, 1984-1985
Box 22, Folder 5	Transmit / Receive, 1984-1985
Box 22, Folder 6	XTRA & Backup, 1984-1985
Box 22, Folder 7	Briefings, 1984-1985
Box 22, Folder 8	Chronological Faxes, 1984-1986

Box 23, Folder 1	SST Link One, 1985
Box 23, Folder 2	Voting Shares, 1985
Box 23, Folder 3	Geostar Exec. Comm. LOS, 1985
Box 23, Folder 4	Correspondence, 1985
Box 23, Folder 5	[1985 Appointment Book / Planner], 1985
Box 23, Folder 6	[Geostar - Other], 1985
Box 23, Folder 7	For Briefings, 1985-1986 Notes: Includes color 8X10 of Gerard O'Neill and an unknown person.
Box 23, Folder 8	Geostar Corporation Confidential Private Placement Memorandums, 1985-1986
Box 23, Folder 9	TECH - Hygain (PRP), 1985-1986
Box 23, Folder 10	GSTAR II Failure Review Notes - Names, Members, and Mtg. Sch., 1986
Box 23, Folder 11	[RCA Correspondence RE: Geostar Receiver Failure], 1986
Box 23, Folder 12	[RCA Correspondence RE: Geostar Receiver Failure], 1986
Box 24, Folder 1	R/O Review Board, 1986
Box 24, Folder 2	Geostar - Chronological, September-December 1986, 1986
Box 24, Folder 3	Geostar - Chronological, September-December 1986, 1986
Box 24, Folder 4	Geostar Failure Report, 1986
Box 24, Folder 5	Geostar Failure Report, 1986
Box 24, Folder 6	Geostar Failure Report, 1986
Box 24, Folder 7	[Final Report of the Independent Geostar Receiver Failure Review Board], 1987
Box 25, Folder 1	[Luis Alvarez Tribute], 1988
Box 25, Folder 2	Comsat Satellite Service Calculator, UNDATED
Box 25, Folder 3	[Geostar Prime Executive Summary], UNDATED
Box 25, Folder 4	Notes on the Founding of Geostar, UNDATED

Box 25, Folder 5 [\[Report of the Independent Geostar Receiver Failure Review Board\], UNDATED](#)

Subseries 1.4.3: O'Neill Communications, Inc., 1986-1991

Arrangement: These materials were grouped together by the creator; file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit.

Box 25, Folder 6 [\[O'Neill Communications, Inc.\], 1986-1991](#)
2 Folders

Box 25, Folder 7 [\[O'Neill Communications, Inc.\], 1986-1991](#)

Subseries 1.4.4: VSE International, 1970-1992

Arrangement: These materials were grouped together by the creator; file unit names are the creator's, and another unknown person, unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 25, Folder 8 [1960's Tube Transport. Papers From Perkowsky, 1970, 1975, 1991](#)

Box 25, Folder 9 [Articles, 1972, 1991-1992](#)
Notes: Newsletters, clippings and magazine articles Re: Satellites/GPS, SLAC (Stanford Linear Accelerator Center), high-speed trains. Also includes a company summary of Space Rail Corporation.

Box 25, Folder 10 [Vacuum Systems, 1978-1991](#)
Notes: Includes "Trans-Planetary Subway Systems - A Burgeoning Capability" by Robert Salter.

Box 26, Folder 1 [INTEREST GROUPS, 1983, 1990-1992](#)

Box 26, Folder 2 [Vendor Catalogs/Information, 1985-1991](#)

Box 26, Folder 3 [Vendor Catalogs/Information, 1985-1991](#)

Box 26, Folder 4 [From Behind Desk, 1986-1992](#)
Notes: Magnetic Flight booklets, executive summary distribution list, *MAGNETS* magazines. Possibly not Gerard O'Neill's folder title.

Box 26, Folder 5 [Civil Engineering / Tunneling, 1988-1991](#)

Box 26, Folder 6 [Vendors List, 1989-1992](#)

Box 26, Folder 7 [PHONE LISTS, ADDRESS LISTS - Dr. O'Neill's Phone & Address List, 1989, 1991](#)

Box 26, Folder 8 [Track Charts, 1989-1991](#)

Box 27, Folder 1 [Market Studies, 1990](#)

Box 27, Folder 2	FRA/DOT, 1990
Box 27, Folder 3	MAGLEV, 1990-1991 Notes: Contains photos.
Box 27, Folder 4	MAGLEV, 1990-1991 Notes: Contains photos.
Box 27, Folder 5	BUSINESS PLANS - VSE Phase I, 1990-1991
Box 27, Folder 6	Floater/VSE Drawings, 1990-1991
Box 27, Folder 7	VSE Patent Effort Documents, 1990-1991
Box 27, Folder 8	VSE Patent Effort Documents, 1990-1991
Box 27, Folder 9	[VSE], 1990-1991
Box 27, Folder 10	Individuals, 1990-1991
Box 28, Folder 1	ACCOUNTS - VSE Financial Statements, 1990-1992 Notes: Includes business and financial data, development and implementation plan, expenses by month.
Box 28, Folder 2	VSE Patent Billing, 1990-1992 Notes: Includes some correspondence and notes.
Box 28, Folder 3	US Congress, 1991 Notes: Correspondence, notes and articles.
Box 28, Folder 4	Current Investors/Contracts, 1991 Notes: Correspondence.
Box 28, Folder 5	Private Company, 1991 Notes: Correspondence/notes on/with: CSX, Chicago-Northeaster, Grumman, Bechtel.
Box 28, Folder 6	PARTNERSHIP AGREEMENTS - Draft VSE Int. L.P. [Limited Partner] Agreements, 1991
Box 28, Folder 7	PUBLICATIONS, 1991
Box 28, Folder 8	VSE Budget, 1991
Box 28, Folder 9	New York State. Technical & Economic Maglev Evaluation, 1991 Notes: Final Report prepared for the New York State Energy Research and Development Authority.

Box 28, Folder 10	Attendee Lists, 1991 Notes: For International Symposium on Magnetic Suspension Technology & the Maglev Technology Assessment Symposium.
Box 28, Folder 11	PROGRESS REPORTS - Reports to Investors, 1991
Box 28, Folder 12	Non-Disclosures, 1991
Box 28, Folder 13	One DOF Model, 1991
Box 28, Folder 14	Quotes, 1991
Box 28, Folder 15	R & D - Originals, 1991
Box 28, Folder 16	Calculations, 1991
Box 29, Folder 1	1/7 " Scale VSE Model, 1991
Box 29, Folder 2	Systems, 1991
Box 29, Folder 3	Route Analysis Program, 1991
Box 29, Folder 4	National Maglev Initiative Info & Newsletters, 1991-1992
Box 29, Folder 5	Employee Records, 1991-1992 Notes: Correspondence and time sheets.
Box 29, Folder 6	[International Symposium on Magnetic Suspension Technology Parts 1 & 2], August 19-23, 1991 Notes: NASA Conference Publication 3152. Proceedings of an international symposium held at Langley Research Center Hampton, VA August 19-23, 1991. Includes photo paper reproduction of symposium poster. Conference Publication 3152 Part 1, International Symposium on Magnetic Suspension Technology , Langley Research Center, Hampton, Virginia, August 19-23, 1991. Conference Publication 3152 Part 2, International Symposium on Magnetic Suspension Technology , Langley Research Center, Hampton, Virginia, August 19-23, 1991.
Box 29, Folder 7	Rail, 1992
Box 29, Folder 8	VSE Information Packet, 1992 Notes: Also includes materials re: patent.
Box 29, Folder 9	VSE Taxes, 1992 Notes: Liquidation correspondence and notes.

Box 29, Folder 10	Potential Contacts for VSE, 1992
Box 29, Folder 11	VSE Viewgraphs, 1992 Notes: Transparencies re: Magnetic Flight.
Box 30, Folder 1	VSE Viewgraphs, 1992 Notes: Transparencies re: Magnetic Flight.
Box 30, Folder 2	Bios/Resumes for VSE, UNDATED Notes: Gerard O'Neill bio sketch.

Subseries 1.5: Monographs, 1976-1983

Arrangement: Arranged in order of publication.

The High Frontier was published in 1977. *2081: A Hopeful View of the Human Future* was published in 1981. *The Technology Edge* was published in 1983.

Subseries 1.5.1: *The High Frontier*, 1976-1981

Arrangement: These materials were grouped together by the creator; file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units chronologically. Also see Series V for additional materials on *The High Frontier*.

Scope and Contents: Includes materials for both the book and the screenplay of *The High Frontier*. Also includes some legal papers regarding use of the name *The High Frontier*.

Box 30, Folder 3	[The High Frontier Drafts - Front & Back Materials, Graphics Information, Notes], 1976
Box 30, Folder 4	[The High Frontier Draft - Gerard O'Neill Reference Copy], 1976
Box 30, Folder 5	[The High Frontier Draft - Gerard O'Neill Reference Copy], 1976
Box 30, Folder 6	[The High Frontier Draft - Gerard O'Neill Reference Copy], 1976
Box 30, Folder 7	[The High Frontier Proof Copies], 1977?
Box 30, Folder 8	[The High Frontier Proof Copies], 1977?
Box 31, Folder 1	[The High Frontier Proof Copies], 1977?
Box 31, Folder 2	["The Colonization of Space" A Proposal for a Novel by Philip Friedman's], 1978?
Box 31, Folder 3	Obsolete First Draft Matter S&S Book, 1978-1979
Box 31, Folder 4	Obsolete First Draft Matter S&S Book, 1978-1979
Box 31, Folder 5	Older Material, Phil Friedman/Film [The High Frontier Screenplay - Draft], 1979

Box 31, Folder 6	[The High Frontier Screenplay - Jan. 1979 Draft & Notes], 1979
Box 31, Folder 7	[The High Frontier Screenplay - Card Outline], 1979
Box 31, Folder 8	[The High Frontier Screenplay - July 1979 Draft, Comments & Correspondence], 1979
Box 31, Folder 9	[The High Frontier Screenplay - April-August 1979 Draft Sections & Correspondence], 1979 Notes: Includes pitch letters, for interviews.
Box 32, Folder 1	[The High Frontier Screenplay - August 1979 Draft], 1979
Box 32, Folder 2	[The High Frontier Screenplay - August 1979 Draft], 1979
Box 32, Folder 3	Philip Friedman's 9/26/79 Script [The High Frontier Screenplay - Draft], 1979
Box 32, Folder 4	Friedman/Film Selected Material [re: The High Frontier Screenplay], 1979-1980 Notes: Correspondence.
Box 32, Folder 5	Graphics For Film Project [re: The High Frontier Screenplay], 1979-1980 Notes: Correspondence, notes, graphics, sketches.
Box 32, Folder 6	Trademark - [General Daniel] Graham, 1980-1985 Notes: Re: concerns about the use of Gerard O'Neill's Service Mark "The High Frontier" by General Daniel Graham and his associates. Particularly that people would confuse the Space Studies Institute's peaceful aims with the (antithetical) aims of the General. Correspondence, articles, copies of <i>Newsweek</i> and <i>Time</i> .
Box 32, Folder 7	Trademark - [General Daniel] Graham, 1980-1985 Notes: Re: concerns about the use of Gerard O'Neill's Service Mark "The High Frontier" by General Daniel Graham and his associates. Particularly that people would confuse the Space Studies Institute's peaceful aims with the (antithetical) aims of the General. Correspondence, articles, copies of <i>Newsweek</i> and <i>Time</i> .
Box 33, Folder 1	Trademark - [General Daniel] Graham, 1980-1985 Notes: Re: concerns about the use of Gerard O'Neill's Service Mark "The High Frontier" by General Daniel Graham and his associates. Particularly that people would confuse the Space Studies Institute's peaceful aims with the (antithetical) aims of the General. Correspondence, articles, copies of <i>Newsweek</i> and <i>Time</i> .
Box 33, Folder 2	[The High Frontier Screenplay - Drafts & Correspondence], 1980
Box 33, Folder 3	[The High Frontier Screenplay - Drafts & Correspondence], 1980

Box 33, Folder 4	[The High Frontier Screenplay - Draft & Notes], 1980
Box 33, Folder 5	[The High Frontier Screenplay - Oct. 1980 Drafts], 1980
Box 33, Folder 6	[The High Frontier Screenplay - Oct. 1980 Drafts], 1980
Box 34, Folder 1	[The High Frontier Screenplay - Miscellaneous], 1980-1981 Notes: Correspondence, storyboard slides, <i>American Cinematographer</i> magazine
Box 34, Folder 2	[The High Frontier Screenplay - Miscellaneous], 1980-1981 Notes: Correspondence, storyboard slides, <i>American Cinematographer</i> magazine
Box 34, Folder 3	[The High Frontier Screenplay - Jan-Feb 1981 Drafts], 1981
Box 34, Folder 4	[The High Frontier Screenplay - Early? Draft & Notes], Undated
Box 34, Folder 5	[The High Frontier Screenplay - Undated Drafts], Undated
Box 34, Folder 6	[The High Frontier Screenplay - Undated Drafts], Undated
Box 35, Folder 1	[The High Frontier Screenplay - Undated Drafts], Undated
Box 35, Folder 2	[The High Frontier Screenplay - Undated Drafts], Undated
Box 35, Folder 3	[The High Frontier Screenplay - Bound Draft], Undated
Box 35, Folder 4	[The High Frontier Screenplay - Bound Draft], Undated

Subseries 1.5.2: *2081: A Hopeful View of the Human Future*, 1977-1981

Arrangement: These materials were grouped together by the creator in chapter order; file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Also see Series V for additional materials on *2081*.

Box 35, Folder 5	[2081 Drafts], 1977-1980
Box 36, Folder 1	[2081 Drafts], 1977-1980
Box 36, Folder 2	[2081 Drafts], 1977-1980
Box 36, Folder 3	[2081 Drafts], 1977-1980
Box 36, Folder 4	[2081 Drafts], 1977-1980
Box 36, Folder 5	[2081 Drafts], 1977-1980

Box 37, Folder 1	[2081 Drafts], 1977-1980
Box 37, Folder 2	[2081] Copy of 1979 Draft, 1979
Box 37, Folder 3	[2081] Copy of 1979 Draft, 1979
Box 37, Folder 4	[2081] REFERENCE MATTER AND NOTES PT. I - The Prophets 1 & Preface, 1978-1979
Box 37, Folder 5	[2081] REFERENCE MATTER AND NOTES PT. I - The Prophets, 1976-1979
Box 37, Folder 6	[2081] REFERENCE MATTER AND NOTES PT. I - The Prophets 2, 1957-1978
Box 37, Folder 7	[2081] REFERENCE MATTER AND NOTES PT. I - The Prophets 3, 1974-1978
Box 37, Folder 8	[2081] REFERENCE MATTER AND NOTES PT. II - Space Colonies, 1966-1979
Box 37, Folder 9	[2081] REFERENCE MATTER AND NOTES PT. II - Energy & Communications, 1977-1981
Box 38, Folder 1	[2081] REFERENCE MATTER AND NOTES PT. II - Computers and Automation, 1977-1979
Box 38, Folder 2	[2081] REFERENCE MATTER AND NOTES - The Visitors & Stellar Contact, 1978-1979
Box 38, Folder 3	[2081] REFERENCE MATTER AND NOTES - Through the Earth, 1972-1980
Box 38, Folder 4	[2081] REFERENCE MATTER AND NOTES PT. IV - Wild Cards & Epilogue, 1977-1980
Box 38, Folder 5	[2081] REFERENCE MATTER AND NOTES PT. IV - Wild Cards & Epilogue, 1977-1980
Box 38, Folder 6	[2081] REFERENCE MATTER AND NOTES - Honolulu, PA & Robotics/Calculators, 1958-1980
Box 38, Folder 7	[2081] REFERENCE MATTER AND NOTES - Homes and Castles & 3 R's & Secret Whispers & Rain or Snow & We Service & Food and Drink & Plastic Money, 1978-1979
Box 38, Folder 8	[2081] REFERENCE MATTER AND NOTES - Highways of the Sky & Racing the Sun, 1979-1980
Box 38, Folder 9	[2081] REFERENCE MATTER AND NOTES - Sin/City/Lotus, 1979-1980
Box 38, Folder 10	[2081] REFERENCE MATTER AND NOTES - Land Yachts & Olympics/Lotus Land/ Resting Earth & Epilogue, 1978-1979

Box 38, Folder 11	[2081] REFERENCE MATTER AND NOTES - Rise & Fall of Nations (Richer-Poorer), 1978-1979
Box 38, Folder 12	[2081] REFERENCE MATTER AND NOTES - Star Wars / The Gods, 1978-1980
Box 38, Folder 13	[2081 Draft] Part IV - Wild Cards / Individual Chapters, 1980
Box 38, Folder 14	[2081 Draft] Part III - Narrative & Individual Sections (The Driven), 1980
Box 39, Folder 1	[2081 Draft] Part III - Narrative & Individual Sections (The Driven), 1980
Box 39, Folder 2	[2081 Draft] Part II - Drivers of Change (CASEC), 1980
Box 39, Folder 3	[2081 Draft Table of Contents], 1979
Box 39, Folder 4	[2081] Chapter Titles, Order, Word Count & Line Counters, 1978-1980
Box 39, Folder 5	[2081] One-Page Synopsis, 1978-1979
Box 39, Folder 6	[2081] Editor's Comments, 1979-1980
Box 39, Folder 7	[2081] Indexing, UNDATED
Box 39, Folder 8	[2081] Addenda References, 1978-1980
Box 39, Folder 9	[2081] Reference Notes Not Yet Classified, 1979-1981
Box 39, Folder 10	[2081] Reference List, UNDATED

Subseries 1.5.3: *The Technology Edge*, 1981-1983

Arrangement: These materials were grouped together by the creator; file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units in chapter order with general materials at the end and in chronological order. Also see Series V for additional materials on *The Technology Edge*.

Box 39, Folder 11	Technology Edge Part One - Japan, 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final chapter title: "Japan Challenges the World."
Box 39, Folder 12	Technology Edge Part One - Japan, 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final chapter title: "Japan Challenges the World."
Box 40, Folder 1	Technology Edge Part One - Japan, 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final chapter title: "Japan Challenges the World."

Box 40, Folder 2	Technology Edge Part One - Japan, 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final chapter title: "Japan Challenges the World."
Box 40, Folder 3	Technology Edge Part One - Japan, 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final chapter title: "Japan Challenges the World."
Box 40, Folder 4	Technology Edge Part One - Japan, 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final chapter title: "Japan Challenges the World."
Box 40, Folder 5	Technology Edge Part One - Japan, 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final chapter title: "Japan Challenges the World."
Box 40, Folder 6	[Technology Edge] Part II's Intro, 1983
Box 40, Folder 7	Technology Edge ME Section [Microengineering. Part Two, Chapter Two], 1980-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 41, Folder 1	Technology Edge ME Section [Microengineering. Part Two, Chapter Two], 1980-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 41, Folder 2	Technology Edge ME Section [Microengineering. Part Two, Chapter Two], 1980-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 41, Folder 3	Technology Edge ME Section [Microengineering. Part Two, Chapter Two], 1980-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 41, Folder 4	Technology Edge ME Section [Microengineering. Part Two, Chapter Two], 1980-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 41, Folder 5	Technology Edge ME Section [Microengineering. Part Two, Chapter Two], 1980-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.

Box 41, Folder 6	Technology Edge ME Section [Microengineering. Part Two, Chapter Two], 1980-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 41, Folder 7	Technology Edge ME Section [Microengineering. Part Two, Chapter Two], 1980-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 41, Folder 8	Technology Edge ME Section [Microengineering. Part Two, Chapter Two], 1980-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 42, Folder 1	Technology Edge RR Section [Robotic Reproduction. Part Two, Chapter Three], 1974-1983 Notes: Research materials, notes, drafts, correspondence. Final chapter title: "Robots - The New Breed."
Box 42, Folder 2	Technology Edge RR Section [Robotic Reproduction. Part Two, Chapter Three], 1974-1983 Notes: Research materials, notes, drafts, correspondence. Final chapter title: "Robots - The New Breed."
Box 42, Folder 3	Technology Edge RR Section [Robotic Reproduction. Part Two, Chapter Three], 1974-1983 Notes: Research materials, notes, drafts, correspondence. Final chapter title: "Robots - The New Breed."
Box 42, Folder 4	[Technology Edge] Genetic Hardware [Part Two, Chapter Four], 1979-1983 Notes: Research materials, notes, drafts, correspondence.
Box 42, Folder 5	[Technology Edge] Genetic Hardware [Part Two, Chapter Four], 1979-1983 Notes: Research materials, notes, drafts, correspondence.
Box 43, Folder 1	[Technology Edge] Genetic Hardware [Part Two, Chapter Four], 1979-1983 Notes: Research materials, notes, drafts, correspondence.
Box 43, Folder 2	[Technology Edge] Genetic Hardware [Part Two, Chapter Four], 1979-1983 Notes: Research materials, notes, drafts, correspondence.
Box 43, Folder 3	Technology Edge MF Section [Magnetic Flight. Part Two, Chapter Five], 1975-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 43, Folder 4	Technology Edge MF Section [Magnetic Flight. Part Two, Chapter Five], 1975-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.

Box 43, Folder 5	Technology Edge MF Section [Magnetic Flight. Part Two, Chapter Five], 1975-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 44, Folder 1	Technology Edge MF Section [Magnetic Flight. Part Two, Chapter Five], 1975-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 44, Folder 2	Technology Edge MF Section [Magnetic Flight. Part Two, Chapter Five], 1975-1983 Notes: Research materials, notes, drafts, correspondence, photos and negatives.
Box 44, Folder 3	Technology Edge FS Section [The 400 MPH Family Sedan. Part Two, Chapter Six], 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final Chapter titled: "The 340 MPH Limousine."
Box 44, Folder 4	Technology Edge FS Section [The 400 MPH Family Sedan. Part Two, Chapter Six], 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final Chapter titled: "The 340 MPH Limousine."
Box 44, Folder 5	Technology Edge FS Section [The 400 MPH Family Sedan. Part Two, Chapter Six], 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final Chapter titled: "The 340 MPH Limousine."
Box 44, Folder 6	Technology Edge FS Section [The 400 MPH Family Sedan. Part Two, Chapter Six], 1981-1983 Notes: Research materials, notes, drafts, correspondence, photos. Final Chapter titled: "The 340 MPH Limousine."
Box 45, Folder 1	[Technology Edge El Dorado in Orbit. Part Two, Chapter Seven], UNDATED Notes: Draft chapter.
Box 45, Folder 2	Technology Edge Venture Capitol Section, Part Three, 1978-1983 Notes: Research materials, notes, drafts, correspondence.
Box 45, Folder 3	Technology Edge Venture Capitol Section, Part Three, 1978-1983 Notes: Research materials, notes, drafts, correspondence.
Box 45, Folder 4	Technology Edge Venture Capitol Section, Part Three, (bulk 1978-1983) Notes: Research materials, notes, drafts, correspondence.
Box 45, Folder 5	Technology Edge SP - Space Section, 1968-1983 Notes: Research materials, notes, drafts, photos. Includes many photos of Gerard O'Neill at Rockwell International.
Box 45, Folder 6	Technology Edge SP - Space Section, 1968-1983

	Language: English.
Box 46, Folder 1	Technology Edge SP - Space Section, 1968-1983 Notes: Research materials, notes, drafts, photos. Includes many photos of Gerard O'Neill at Rockwell International.
Box 46, Folder 2	Technology Edge SP - Space Section, 1968-1983 Notes: Research materials, notes, drafts, photos. Includes many photos of Gerard O'Neill at Rockwell International.
Box 46, Folder 3	Technology Edge SP - Space Section, 1968-1983 Notes: Research materials, notes, drafts, photos. Includes many photos of Gerard O'Neill at Rockwell International.
Box 46, Folder 4	Technology Edge SP - Space Section, 1968-1983 Notes: Research materials, notes, drafts, photos. Includes many photos of Gerard O'Neill at Rockwell International.
Box 46, Folder 5	Technology Edge SP - Space Section, 1968-1983 Notes: Research materials, notes, drafts, photos. Includes many photos of Gerard O'Neill at Rockwell International.
Box 46, Folder 6	Technology Edge SP - Space Section, 1968-1983 Notes: Research materials, notes, drafts, photos. Includes many photos of Gerard O'Neill at Rockwell International.
Box 47, Folder 1	Technology Edge IBM Section, 1979-1983 Notes: Research materials, notes, drafts, correspondence.
Box 47, Folder 2	Technology Edge IBM Section, 1979-1983 Notes: Research materials, notes, drafts, correspondence.
Box 47, Folder 3	Technology Edge IBM Section, 1979-1983 Notes: Research materials, notes, drafts, correspondence.
Box 47, Folder 4	Technology Edge IBM Section, 1979-1983 Notes: Research materials, notes, drafts, correspondence.
Box 47, Folder 5	[Technology Edge Part] Three. IBM & Other Non-Venture Section, 1982 Notes: Research materials, notes, correspondence.
Box 47, Folder 6	[Technology Edge] Chapter Nine - Winning On The Big Scale, 1982-1985 Notes: Draft of chapter with final name of "World-Class Players" & correspondence.
Box 48, Folder 1	All Literary Contracts & Proposals, 1977-1991
Box 48, Folder 2	All Literary Contracts & Proposals, 1977-1991

Box 48, Folder 3	[Technology Edge] Interview Names/Addresses & General Notes, 1981-1982
Box 48, Folder 4	[Technology Edge] Book Work, 1983 Notes: Notes and drafts.
Box 48, Folder 5	Technology Edge Unbound Page Proof, Undated Notes: With some notes and and a press release.
Box 48, Folder 6	Technology Edge Unbound Page Proof, Undated Notes: With some notes and and a press release.
Box 49, Folder 1	["Opportunities" aka Technology Edge Draft], Undated
Box 49, Folder 2	["Opportunities" aka Technology], Undated
Box 49, Folder 3	["Opportunities" aka Technology Edge Draft], Undated
Box 49, Folder 4	Advance Uncorrected Proofs - "Opportunities" [aka Technology Edge], UNDATED

Subseries 1.6: National Commission on Space, 1984-1986

Arrangement: These materials were grouped together by the creator; file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 49, Folder 5	Donahue: Backup Materials, 1984-1985 Notes: Task group summaries.
Box 49, Folder 6	[National Commission on Space Miscellaneous Materials], 1984-1986 Notes: Correspondence, member list, meeting schedules, magazine articles, presentations (text), notes.
Box 49, Folder 7	[National Commission on Space Miscellaneous Materials], 1984-1986 Notes: Correspondence, member list, meeting schedules, magazine articles, presentations (text), notes.
Box 50, Folder 1	[National Commission on Space Miscellaneous Materials], 1984-1986 Notes: Correspondence, member list, meeting schedules, magazine articles, presentations (text), notes.
Box 50, Folder 2	National Commission On Space - Unmanned Space Program August 21-22, 1985 [Binder], 1985 Notes: A 3-ring binder made by JPL of agenda, goals, notes and presentations. An orientation/presentation-companion packet?
Box 50, Folder 3	National Commission On Space - Unmanned Space Program August 21-22, 1985 [Binder], 1985

Notes: A 3-ring binder made by JPL of agenda, goals, notes and presentations. An orientation/presentation-companion packet?

Box 50, Folder 4 [National Commission On Space - Unmanned Space Program August 21-22, 1985 \[Binder\], 1985](#)

Notes: A 3-ring binder made by JPL of agenda, goals, notes and presentations. An orientation/presentation-companion packet?

Box 50, Folder 5 [National Commission On Space - Unmanned Space Program August 21-22, 1985 \[Binder\], 1985](#)

Notes: A 3-ring binder made by JPL of agenda, goals, notes and presentations. An orientation/presentation-companion packet?

Box 50, Folder 6 [Gerard O'Neill President's Commission On Space - FBI Investigation RESTRICTED due to PII, 1985](#)

Notes: Restricted due to PII.

Box 50, Folder 7 [Space Station Presentation to the President's National Commission On Space May 15, 1985, 1985](#)

Notes: 3 ring binder put together by NASA, presented by Philip E. Culbertson, Associate Administrator, Office of Space Station.

Box 51, Folder 1 [\[The Ariane 4 Launch Vehicle. Presentation, June 1985\], 1985](#)

Notes: Presentation to GTE-Spacenet, Les Mureaux by A. Van Gaver, CNES, Ariane 4 Program Manager.

Box 51, Folder 2 [National Commission On Space, 1985-1986](#)

Box 51, Folder 3 [National Commission On Space, 1985-1986](#)

Box 51, Folder 4 [\[Pioneering The Space Frontier - An Exciting Vision of Our Next Fifty Years in Space The Report of the National Commission On Space\], 1986](#)

Subseries 1.7: Miscellaneous, 1940s-1993

Arrangement: Materials that appear to not have been grouped together with other materials by the creator; some file unit names are the creator's, some cannot possibly be. If the title is in brackets, the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 51, Folder 5 [\[Portraits of Gerard O'Neill\], 1940s](#)

Box 51, Folder 6 [\[Miscellaneous\], 1944, 1948](#)

Notes: Contains photos.

Box 51, Folder 7 [Gerard O'Neill Photographs, 1957-1980s?](#)

Box 51, Folder 8 [\[Report on Trip to the USSR & Studies of Colliding Electron-Electron, Positron-Electron and Proton-Proton Beams at the Institute for Nuclear Physics, the Siberian Branch of the USSR Academy of Sciences, 1963](#)

Box 51, Folder 9	[Miscellaneous Correspondence], 1963-1983
Box 52, Folder 1	[Ephemera from Trip to Russia], 1965 Notes: Includes newspaper articles and correspondence.
Box 52, Folder 2	[Ephemera from Trip to Russia], 1965 Notes: Includes newspaper articles and correspondence.
Box 52, Folder 3	C.I.S. [Colonies In Space?] Article, 1970-1974
Box 52, Folder 4	C.I.S. [Colonies In Space?] Article, 1970-1974
Box 52, Folder 5	Important History - Gerard O'Neill Handwritten Versions of First Space Colony Articles, 1973
Box 52, Folder 6	[1974-78 Lectures, Appearances, Royalties, Advances from Publishers, Host Trips Taken in Own Aircraft], 1974-1978
Box 52, Folder 7	[The Low (Profile) Road to Space Manufacturing, an article by Gerard O'Neill], 1978
Box 52, Folder 8	Lectures: Collected Reprints, 1978-1981 Notes: Reprints of articles.
Box 53, Folder 1	Lecture: Notes, 1979-1988
Box 53, Folder 2	Lecture: Notes, 1979-1988
Box 53, Folder 3	[Elementary Particle Physics Textbook by David Cheng & Gerard O'Neill PROOF], 1979
Box 53, Folder 4	Gerard O'Neill Bio & Bibliog., 1979-1991 Notes: Contains "Space Colonization. An Annotated Bibliography" by Michael Marotta.
Box 53, Folder 5	[New Routes to Manufacturing in Space, an article by Gerard O'Neill], 1980
Box 53, Folder 6	Princeton University, 1982-1984
Box 53, Folder 7	Interviews, 1983-1986
Box 54, Folder 1	Miscellaneous, 1983-1987
Box 54, Folder 2	Princeton University - Retirement Letters, 1984-1985
Box 54, Folder 3	Speaking Engagements, 1984-1987
Box 54, Folder 4	Speaking Engagements, 1984-1987

Box 54, Folder 5	Speaking Engagements, 1984-1987
Box 54, Folder 6	Speaking Engagements, 1984-1987
Box 54, Folder 7	Travel, 1984-1986
Box 55, Folder 1	Travel, 1984-1986
Box 55, Folder 2	New York Times, 1986-1987
Box 55, Folder 3	[Planners], 1986-1992
Box 55, Folder 4	[Articles, Interviews, Reviews], 1987-1989
Box 55, Folder 5	Washington Times Article by Gerard O'Neill, 1988 Notes: "Power From Space?"
Box 55, Folder 6	Gerard O'Neill Speeches Past, 1988-1989
Box 55, Folder 7	Los Angeles Times Article by Gerard O'Neill, 1989 Notes: "Solar Power By Satellite Would Solve Ozone Crises"
Box 55, Folder 8	[White House Correspondence], 1989-1992
Box 55, Folder 9	Condolences & Obits & Pers. Recollections, 1992-1993
Box 55, Folder 10	Lecture: Graphics, UNDATED

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Series 2: Publications & Reports, 1959-1992

Box 55-56

Arrangement: Arranged in chronological order.

Scope and Contents: This series consists of reports by Gerard O'Neill and magazines which contain articles written by Gerard O'Neill.

Box 55, Folder 11	[Princeton Alumni Weekly Magazines], 1958-1989
Box 55, Folder 12	[University. A Princeton Magazine], 1963
Box 55, Folder 13	["Particle Storage Rings" by Gerard O'Neill reprinted by Scientific American, 1966
Box 55, Folder 14	[OMNI Magazines], 1984, 1986, 1989
Box 56, Folder 1	[Discover Magazine], 1985
Box 56, Folder 2	[National Journal Magazine], 1986
Box 56, Folder 3	[Air & Space Magazine], 1989
Box 56, Folder 4	[Report of the Advisory Committee on the Future of the U.S. Space Program Magazine], 1990
Box 56, Folder 5	[Ad Astra Magazine], 1991
Box 56, Folder 6	[National Forum Journal], 1991
Box 56, Folder 7	[Triology Magazine], 1992

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Series 3: Personal Papers, circa 1949-1990

Box 56-58

Arrangement: These materials were grouped together by the creator; file unit names are the creator's unless in brackets, which signifies that the processing archivist named the file unit. Processing archivist arranged file units chronologically.

Box 56, Folder 8	Gadgetry, circa 1949
Box 56, Folder 9	To Be Done Around the House - Plans of Construction Projects, 1962-1980
Box 56, Folder 10	[Sailplane Misc.], 1969, 1973-1981 Notes: Contains photos.
Box 57, Folder 1	[Sailplane Misc.], 1969, 1973-1981 Notes: Contains photos.
Box 57, Folder 2	[Sailplane Misc.], 1969, 1973-1981 Notes: Contains photos.
Box 57, Folder 3	[Trips/Vacations], 1969, 1977-1981
Box 57, Folder 4	Aircraft, 1977-1981
Box 57, Folder 5	Time-Lapse Camera System, 1979
Box 57, Folder 6	[Ryan Stormscope Sales Packet & Gerard O'Neill Notes], 1979-1981
Box 57, Folder 7	[Model TSIO-520BE Continental Aircraft Engine Maintenance and Operator's Manual], 1983
Box 57, Folder 8	Malibu, 1983-1986
Box 57, Folder 9	Flight Planning, 1984-1990
Box 57, Folder 10	Service Bulletins, 1985-1989
Box 58, Folder 1	Service Bulletins, 1985-1989
Box 58, Folder 2	GTON Flight Data Sheets, 1988-1989
Box 58, Folder 3	GTON, Inc., 1989-1990
Box 58, Folder 4	Loran Way Points, 1990

Box 58, Folder 5

Malibu Training Manual, UNDATED

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Series 4: Images, 1960s-1993

6 Boxes

Box 59-64

Scope and Contents: Contains lantern slides, contact sheets, 35mm negatives & slides.

Arrangement: Some lantern slides were labeled and grouped together; that original order was maintained when re-housing.

Box 59

[\[Prints, 35mm Slides, Negatives & Contact Sheets\], circa 1975-1993](#)

Notes: 35mm BxW negatives and contact sheet are images from Gerard O'Neill's interviews for *Technology Edge*. 3 35 mm color negatives of vacation? 1 8x10 of Gerard O'Neill and Dan Quayle. 1 4x6 album of Gerard O'Neill's appearance on the television program *Living and Working in Space* April 15, 1993. Numerous 35mm slides are miscellaneous.

Box 60

[\[Lantern Slides\], 1960s-1970s?](#)

Notes: Boxes 60-62 are miscellaneous images, the majority of which appear to possibly be diagrams or figures for a textbook.

Boxes 63-64 contain images grouped and labeled by Gerard O'Neill: "May '60 CSR," "Spark-Chamber Pictures TC-II May '61," "Site Views," "CBX Slides (1st Box)," "CBX 2nd Box Winterbottom," "O'Neill E-12" and "Synchrotron."

Box 61

[\[Lantern Slides\], 1960s-1970s?](#)

Notes: Boxes 60-62 are miscellaneous images, the majority of which appear to possibly be diagrams or figures for a textbook.

Boxes 63-64 contain images grouped and labeled by Gerard O'Neill: "May '60 CSR," "Spark-Chamber Pictures TC-II May '61," "Site Views," "CBX Slides (1st Box)," "CBX 2nd Box Winterbottom," "O'Neill E-12" and "Synchrotron."

Box 62

[\[Lantern Slides\], 1960s-1970s?](#)

Notes: Boxes 60-62 are miscellaneous images, the majority of which appear to possibly be diagrams or figures for a textbook.

Boxes 63-64 contain images grouped and labeled by Gerard O'Neill: "May '60 CSR," "Spark-Chamber Pictures TC-II May '61," "Site Views," "CBX Slides (1st Box)," "CBX 2nd Box Winterbottom," "O'Neill E-12" and "Synchrotron."

Box 63

[\[Lantern Slides\], 1960s-1970s?](#)

Notes: Boxes 60-62 are miscellaneous images, the majority of which appear to possibly be diagrams or figures for a textbook.

Boxes 63-64 contain images grouped and labeled by Gerard O'Neill: "May '60 CSR," "Spark-Chamber Pictures TC-II May '61," "Site Views," "CBX Slides (1st Box)," "CBX 2nd Box Winterbottom," "O'Neill E-12" and "Synchrotron."

Box 64

[\[Lantern Slides\], 1960s-1970s?](#)

Notes:

Boxes 60-62 are miscellaneous images, the majority of which appear to possibly be diagrams or figures for a textbook.

Boxes 63-64 contain images grouped and labeled by Gerard O'Neill: "May '60 CSR," "Spark-Chamber Pictures TC-II May '61," "Site Views," "CBX Slides (1st Box)," "CBX 2nd Box Winterbottom," "O'Neill E-12" and "Synchrotron."

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Series 5: Odd & Oversize

9 Boxes

Box 65-73

Box 65	[Physics Study Notecards], Undated
Box 66	[Physics Study Notecards], Undated
Box 67	Manuscript & Galleys for [William] Morrow Edition of <i>The High Frontier</i> , 1977?
Box 68	[Technology Edge Drafts], 1974-1983 Notes: Box 69 also contains a "Fellow of the Rochester Museum" certificate 1983 and mounted cover of <i>Physics Today</i> Sept 1974 ("Colonies in Space" cover.)
Box 69	[Technology Edge Drafts], 1974-1983 Notes: Box 69 also contains a "Fellow of the Rochester Museum" certificate 1983 and mounted cover of <i>Physics Today</i> Sept 1974 ("Colonies in Space" cover.)
Box 70	[The High Frontier Copy Proof], 1976
Box 71	[2081 Proof & Publishing Agreement], 1979-1981
Box 72	[Miscellaneous], 1981-1983 Notes: 2 schematic drawings, layout proofs for <i>The High Frontier</i> , Magnetic Flight presentation mechanicals, <i>MBB International</i> June 1981, The Orlando Sentinel Epcot Keepsake Edition October 24 1982 and Disney Epcot Center Grand Opening invitation packet.
Box 73	[Rolodex], UNDATED

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