

**College of the Holy Cross
Archives and Special Collections
Collection Inventory**

Accession Number: **SC 2000-18**

Collection Name (Title): **Richard J. Green Space Exploration Collection**

Dates of Materials: **1960s, 1970s**

Size of Collection: **4 Series comprised of 17 Boxes; 6 Oversize Boxes; 8 Loose Items**

Arrangement: The collection is arranged into the following series:

Series 1: Publicity

Series 2: Reports, Documents, Charts, and Books

Series 3: Photographs and Slides

Series 4: Memorabilia

Restrictions: **none**

Related Material:

Preferred Citation: **Richard J. Green Space Exploration Collection**

Processed on: **Dec. 2011**

Biography/History:

Richard J. Green, a native of Newark, New Jersey, enjoyed a long career in the science field. He graduated from Holy Cross in 1949, received a master's degree in physics from Fordham University, and attended the Advanced Management Program at the Harvard Business School. He has worked at the National Aeronautics and Space Administration (NASA) during the Apollo program, 1962-1970; the Federal Emergency Management Agency (FEMA), 1979-1981; and the National Science Foundation, 1992-1995. In 1996, he started Green Associates, a private consulting firm.

Scope and Content Note:

This collection documents the career of Richard Green especially his involvement with the early space missions and the race to the Moon.

Contents: Magazines, newspapers, books, photographs, slides, maps, and special objects

Box and Folder List:

Series 1: NASA Publicity

- Box # 1 Magazine and Newspaper Articles about NASA and the Apollos, 1964-71
- Folder #1- "Footprints on the Moon," *National Geographic*, 1964
 - Folder # 2- "Next Stop: the Moon," *Newsweek*, October 14, 1968
 - Folder # 3- "Into the Universe," *Newsweek*, January 6, 1969
 - Folder # 4- "The Hidden Perils of a Lunar Landing," *Saturday Review*, June 7, 1969
 - Folder # 5- "The Case for Space," *Forbes*, July 1, 1969
 - Folder # 6- "The Moonage," *Newsweek*, July 7, 1969
 - Folder # 7- "The Great Adventure," *Newsweek*, July 21, 1969
 - Folder # 8- "Letter from the Space Center," *The New Yorker*, July 26, 1969
 - Folder # 9- "One Giant Leap," *Newsweek*, July 28, 1969
 - Folder # 10- "Man's First Day on the Moon," *Popular Mechanics*, July 1969
 - Folder # 11- "Moons, Mars, and Man," *Newsweek*, August 11, 1969
 - Folder # 12- "First Explorers on the Moon," *National Geographic*, December 1969
 - Folder # 13- "Target for Apollo 13," *Science News*, April 4, 1970
 - Folder # 14- Misc. Articles, *Science News*, May 23, 1970
 - Folder # 15- "Option in Space," *Science News*, July 25, 1970
 - Folder #16- *Science News*, August 1, 1970
 - Folder #17- *Science News*, August 22 & 29, 1970
 - Folder #18- *Science News*, August 28, 1970
 - Folder # 19- "NASA Program for Exploration of the Moon and Planets" and "USG Studies Apollo 15 Moon Rocks," *Eos*, October 10, 1971
 - Folder #20- *Science*, November, 1971
 - Folder # 21- Apollo Press Materials- Newspaper Clippings

Box # 2 Apollo 13 Press Release, 1970

- Folder # 1- Astronauts Will Test Marksmanship on Moon
- Folder # 2- 40- Story Skyscraper Moved to Make Way for Apollo 13
- Folder # 3- NASA Soothes Homesick Appetites
- Folder # 4- Portfolio of EASEP Sketches
- Folder # 5- Taking the Moon's Temperature
- Folder # 6- Scientific Observation Carried to the Moon
- Folder # 7- Elderly, Sedate Moon Still Produces Surprises
- Folder # 8- Bendix Fact Sheet for Apollo 13
- Folder # 9- Press Release Folder
- Folder # 10- Apollo 13 Press Kit

Oversize Box #1 Publicity- Magazines

- Folder # 1- "Off to the Moon," *Life* (Special Issue), July 4, 1969
- Folder # 2- "Voyage to the Moon," *Washington Star* (Supplement to Evening

Star), July 14, 1969

Folder # 3- "The Moon is a Rosetta Stone," *The New York Times Magazine*,
November 9, 1969

Folder # 4- "To the Moon and Back," *Life* (Special Edition), 1969

Folder # 5- "Apollo 8: Voyage to the Moon," *Look Magazine*, 1969

Oversize Box #2 Apollo 11 and 12 Headlines and Press

Folder # 1- Apollo 11 Front Page

Folder # 2- Apollo 11 Press

Folder # 3- Apollo 11 Headlines

Folder # 4- Apollo 12 Press

Oversize Box #3 Publicity- Newspapers

Folder # 1- "The First Lunar Landing," *The Washington Post*, July 13, 1969

Folder # 2- "Dangers of the Moon Flight," *The New York Times*, July 13, 1969

Folder # 3- "Man on the Moon," *The New York Times*, July 20, 1969

Folder # 4- "Apollo in Orbit, Set for Landing," *The Washington Post*, July 20,
1969

Folder # 5- "Astronauts Swing into Moon Orbit in Preparation for Today's
Landing," *The New York Times*, July 20, 1969

Folder # 6- "The Eagle Begins Trip Home," *The Evening Star*, July 21, 1969

Folder # 7- "The Eagle Has Landed—Two Men Walk on the Moon," *The
Washington Post*, July 22, 1969

Folder # 8- "Moon Crew Lifts Off Safely, Apollo 11 Heads for Earth," *The
Washington Post*, July 22, 1969

Folder # 9- "Apollo Heads Home as Crew Rests," *The Evening Star*, July 22,
1969

Folder # 10- "Astronauts Joke as Apollo Coasts back to Earth," *The Washington
Post*, July 23, 1969

Folder # 11- "Apollo on Perfect path to Earth," *The Washington Post*, July 24,
1969

Folder # 12- "Moon and Beyond," *The New York Times*, July 27, 1969

Folder # 13- "The Moon: A New Frontier," *The New York Times*, Special
Supplement, August 4, 1969

Folder # 14- "Apollo Goals Irk Scientists," *The Washington Post*, August 3, 1969

Folder # 15- "Astronauts Come Home Safely," *The Washington Post*, April 18,
1970

Folder # 16- "The End of Apollo: A Sad Retreat from Greatness," *The Sunday
Star and Daily News* (Washington, DC), December 17, 1972

Series 2: NASA Reports, Documents, Charts, and Books

Box # 1 NASA Reports and Documents

Folder # 1- Results of the Third United States Manned Orbital Space Flight, 1962

Folder # 2- The Observatory Generation of Satellites, March 1963

Folder # 3- Astronaut L. Gordon Cooper, Jr. and the Faith 7, 1963

Folder # 4- Ranger 7, A Special Report, August 5, 1969

- Folder # 5- Space Research, Directions for the Future, Part One, 1965
- Folder # 6- Surveyor 1, A Preliminary Report, June 1966
- Folder # 7- Surveyor 7, A Preliminary Report and The Surveyor Project, May 1968
- Folder # 8- The Post-Apollo Space Program, 1969
- Folder # 9 *Astronaut Trail Magazine*, Apollo 9, 1969
- Folder # 10- Apollo 12, A New Vista for Lunar Science, 1970
- Folder # 11- The First Lunar Landing, 1970
- Folder # 12- Earth Orbital Science, April 1971
- Folder # 13- Planetary Exploration, June 1971
- Folder # 14- Satellites at Work, June 1971
- Folder # 15- Aeronautics, December 1971
- Folder # 16- On the Moon with Apollo 16, April 1972
- Folder # 17- Apollo 17 at Taurus-Littrow, 1973
- Folder # 18- Apollo Lunar Exploration Program Science Objectives and Mission Plans
- Folder # 19- Characteristics of Lunar Surface Experiments for Apollo Missions 16-19

Box # 2 Books and Booklets

- Folder # 1- *Vistas of Science: Space*, NSTA, 1961
- Folder # 2- *Projects: Space*, 1962
- Folder # 3- *Mariner- Mission to Venus*, 1963
- Folder # 4- *Space... The New Frontier*, 1964
- Folder # 5- *X-15 Research Results*, 1965
- Folder # 6- *The Man Behind the Rocket*, 1965
- Folder # 7- *What to Do and See: Cape Kennedy*, November 1969
- Folder # 8- Apollo: Man on the Moon coloring book, 1969
- Folder # 9- *Soviet Space Research*, 1970s
- Folder # 10- *On the Moon with Apollo 15*, June 1971
- Folder # 11- Apollo 15 at Hadley Base, 1971
- Folder # 12- ЗЕМЛЯ- КОСМОС- ЛУНА, (Soviet Space Research-Russian Edition) 1972
- Folder # 13- Apollo 16 at Descartes, 1972
- Folder # 14- NASA Booklets, July 1969- July 1970
 - Apollo Phone Numbers- July 1969
 - Flight Schedules to and from Cities Most Frequently Visited by NASA Personnel, November 1969
 - Apollo Lunar Exploration Key Data Notebook, March 1972
 - Pocket Statistics, August 1970
 - Apollo Phone Numbers, April 1970
 - Apollo Mission Briefs, July 1970
 - NASA Photography from 5 years of Space

Box #3 -NASA Preliminary Science Reports- Apollo 11 (1969), Apollo 12 (1970), Apollo 14 (1971), Apollo 15 (1972), Apollo 16 (1972), Apollo 17 (1973)

Box #4 NASA Reports, 1965-1982

- NASA 1965 Summer Conference on Lunar Exploration, July 19- 31, 1965
- 22nd Semiannual Report to Congress, July 1- December 31, 1969
- Science*, January 30, 1970
- NASA Office of Defense Affairs, the First Five Years
- Managing NASA in the Apollo Era, 1982

Box #5 Articles, Notes and Special Papers, Etc. 1959- ca. 1975

- Folder # 1- "The Next Ten Years in Space," Staff Report, Select Committee Astronauts and Space, 1959
- Folder # 2- "Prospects for Space Travel," 1960
- Folder # 3- Lunar Orbit Rendezvous, 1962
- Folder # 4- "The V-2 Rocket," W. Domberger, AAAS Meeting, paper, December 28, 1962
- Folder # 5- Quad IV Inspection Points
- Folder # 6- Geological Characteristics of the nine Lunar Landing Mission Sites Recommended by the Group for Lunar Exploration Planning, 1968
- Folder # 7- "HHH: on the Space Program," 1968
- Folder # 8- Richard J. Green's Personal Notebook covering the lunar landing, 1969
- Folder # 9- ASLEP Press Backgrounder, 1969
- Folder # 10- Worcester Polytechnic Institute Commencement Address, 1970
- Folder # 11- Advanced Planning Review: Lunar Exploration Analysis, 1970
- Folder # 12- Science Policy: A Working Glossary, 1972
- Folder # 13- ASLEP- Apollo 12, 1975

Box #6 NASA Facts (fifteen educational reports), 1962-1965

- Folder # 1- Mariner, 1962
- Folder # 2- The Explorer Satellites, 1962
- Folder # 3- Project Relay, 1963
- Folder # 4- Mariner II Reports, 1963
- Folder # 5- Tiros, 1964
- Folder # 6- Interplanetary Explorer Satellites, 1964
- Folder # 7- V/Stol Aircraft, 1964
- Folder # 8- Explorer XVI, 1964
- Folder # 9- Launch Vehicles
- Folder # 10- Nimbus, 1964
- Folder # 11- Mariner IV, 1965
- Folder # 12- Biosatellites, 1965
- Folder # 13- Tiros, 1965
- Folder # 14- Project Ranger, 1965
- Folder # 15- Pegasus, 1965

Box #7 Apollo 11 and 12 Mission Reports, 1969-1970

- Folder # 1- Apollo 11 Mission Operation Report, 1969
- Folder # 2- Apollo 11 Mission Report, 1969

- Folder # 3- Apollo 11 Special Part 2, Current News, 1969
- Folder # 4- Apollo 12 Mission Operation Report, 1970
- Folder # 5- Apollo 12 Mission Report, 1970

- Box #8 Apollo Lunar Surface Experiments Package (ALSEP) and Early Apollo Scientific Experiments Package (EASEP), 1962-1965
 - Folder # 1- ASLEP General Familiarization Manual, November 15, 1966
 - Folder # 2- EASEP Flight System Familiarization Manual, April 25, 1969
 - Folder # 3- EASEP Mission Rules
 - Folder # 4- Apollo 13-The Second ALSEP

- Oversize Box # 1 Lunar Surface Exploration Reference Charts
 - Folder # 1- Offices for Apollo Program and Manned Space Flight Chart
 - Folder #2- Lunar Surface Exploration Chart (2 copies)
 - Folder #3- Lunar Earthside Chart, 1968

Series 3: Photographs and Slides

- Box # 1 Apollo Lunar Surface Experiments Package- Photos
 - Folders #1- #2 ASLEP and EASEP photos
 - Folder # 3- Photographs of Bendix Corp. Navigation and Control Division, Undated

- Box # 2 Apollo 8, 11, 12, 13, 14, and 15 Photos
 - Folder # 1- Apollo 8- Crew
 - Folder # 2- Apollo 11- Crew
 - Folder # 3- Apollo 11- Lunar Surface
 - Folder # 4- Apollo 11- Trailing Ship
 - Folder # 5- Apollo 11- Landing
 - Folder # 6- Apollo 11- EASEP
 - Folder # 7- Apollo 12- Lunar Surface
 - Folder # 8- Apollo 12- Lunar Surface
 - Folder # 9- Apollo 13
 - Folder # 10- Apollo 13- Press Release Photos
 - Folder # 11- Apollo 14
 - Folder # 12- Apollo 15

- Box # 3 Surveyor 3, Ranger, Mercury Atlas 8, Tiros, X-15, Delta Launch, Saturn, and Mariner 4 Photos
 - Folder # 1- Surveyor 3
 - Folder # 2- Ranger
 - Folder # 3- Mercury Atlas 8
 - Folder # 4- Tiros
 - Folder # 5- X-15
 - Folder # 6- Delta Launch
 - Folder # 7- Saturn
 - Folder # 8- Mariner 4

Folder # 9- Mariner 4

Box #4 Apollo 11 and Apollo 12 Slides

Folder # 1- Apollo 11 Slides

Folder # 2- Apollo 12 Slides

Box #5 Apollo 11 Stereo Camera Slides, July 1969

Oversize Box #1- Apollo 11 and Apollo Saturn Launch Photos

Oversize Box #2 Photos of ASLEP and Apollo 11

Folder # 1- ASLEP Flight 1 Configuration (2 copies)

Folder # 2- Apollo 11 Astronaut traversing surface with EASEP

Folder # 3- Apollo 11 Astronaut at Deployed Seismometer

Folder # 4- Laser Ranging Retro-Reflector

Folder # 5-Deployed Seismometer – Apollo 11

Folder # 6- Apollo 11 Astronaut with Experiments and Lunar Module

Folder # 7- Apollo 11 Astronaut with Experiments and Lunar Module

Oversize Box #3 The Moon as Viewed by Lunar Orbiter, 1969

Series 4: Memorabilia

Box #1 Commemorative, Stamps, Envelopes, Decals, Badges, and Passes

Folder #1- Echo 1 first day cover, 1960

Folder #2- Project Mercury first day cover, 1962

Folder # 3- Apollo 11 Decal signed by Neil Armstrong, Edwin “Buzz” Aldrin,
and Michael Collins, 1969

Folder # 4- Apollo 11 first day cover

Folder # 5- Apollo 11 Decal

Folder # 6- Apollo 12 first day cover

Folder # 7- Apollo 13 Decal, 1970

Folder # 8- Apollo Commemorative badges

Oversize Loose Items

#1-Apollo 11 Lunar Landing Site

#2- Electronic Lunar Lifeline Apollo Tracking System

#3- Apollo 11 20th Anniversary Chart

#4- Apollo Design Reference Mission Chart (3’x4’) which lays out the Apollo
mission as envisioned in 1965

#5- USAF Lunar reference mosaic

#6- Lunar Surface Map showing coordinates of the Apollo 13 impact point to
provide seismic signals during the Apollo11 and 12 missions

#7- Apollo 11 Landing Site

#8- Lunar Orbiter Spacecraft Surface Photos