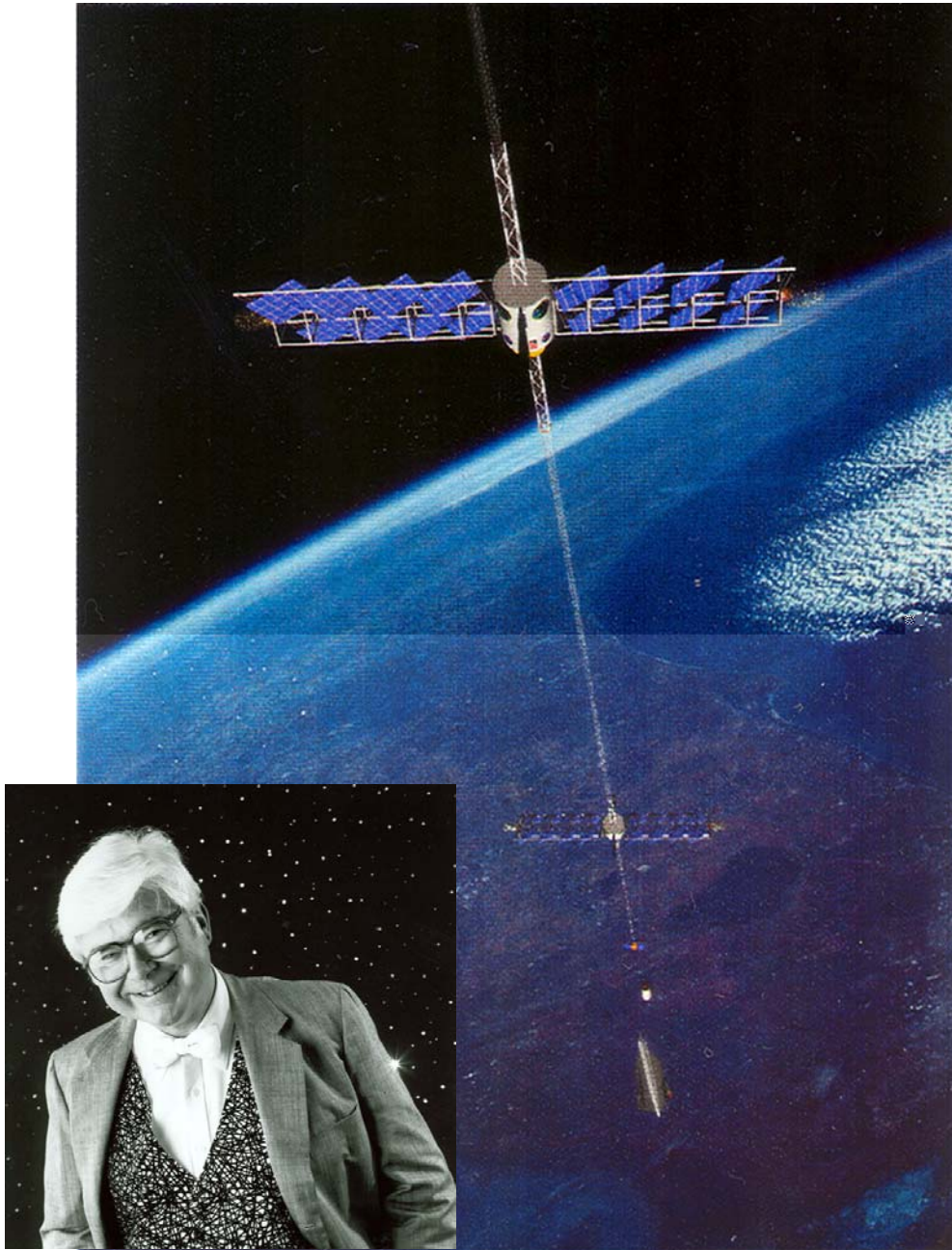


*Guide to the Collection  
of  
Robert L. Forward*

**Compiled by: Anne Coleman, Archivist  
& David Hanning, Elec. Eng., Ret.**



**M. Louis Salmon Library  
University of Alabama in Huntsville  
Huntsville, AL 35899  
2006**

Guide to the  
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## Guide to the Collection of Robert L. Forward

### Contact Information:

Department of Archives/Special Collections  
M. Louis Salmon Library  
University of Alabama in Huntsville  
Huntsville, Alabama 35899  
Telephone: 256 824 6523  
Email: Library Archivist---see Library Staff Listing  
URL:<http://www.uah.edu/library/about/department/archives.htm>

### Descriptive Summary

**Title:** Collection of Robert L. Forward

**Collection number:** Special Collections Robert L. Forward

**Creator:** Robert L. Forward

**Extent:** 21 linear ft.

**Repository:** University of Alabama in Huntsville. M. Louis Salmon Library. Dept of Archives/Special Collections.

### Administrative Information

**Access Restrictions:** None

**Publication Rights:** Property rights reside with the repository.

**Provenance:** Gift of Robert L. Forward, 2002.

**Preferred Citation:** [Identification of item] Collection of Robert L. Forward, Dept. of Archives/Special Collections, M. Louis Salmon Library, University of Alabama in Huntsville, Huntsville, AL.

### Scope and Content

The Robert L. Forward Collection (21 linear ft.) includes approximately 300 documents, books, personal memorabilia, and art work. Subjects covered within this collection include a wide range of aerospace technology, such as antigravity, lasers, interstellar travel propulsion systems, light levitation of orbital satellites, antimatter, and tether transport systems.

## Biographical Note

Dr. Robert L. Forward (1932-2002), was born on August 15, 1932 in Geneva, New York. He attended the University of Maryland and graduated in 1954 with a BS in Physics, and then served two years as a second lieutenant in the Air Force. In 1956, he went to work for Hughes Aircraft Company Corporate Research Laboratories in Malibu, California, and resumed his education under the company's Graduate Research Fellowship, earning an MS in Applied Physics from University of UCLA in 1958 and a PhD in Physics from the University of Maryland in 1965. He remained with Hughes for 31 years, eventually serving as Senior Scientist, published groundbreaking work in the field of gravitational physics, with 172 publications; as an inventor, with 28 patents; a popular science writer, with 71 articles; a science fiction writer, with 14 novels and 13 short stories published; and a research department manager directing more than 50 scientists and engineers, at one time. Dr. Robert L. Forward was a consulting scientist, future technologist, lecturer, and science fact and science fiction writer. He was the founder and chief scientist of Forward Unlimited, a consulting firm established in 1962, specializing in exotic physics and advanced space propulsion. He was also a founder and chief scientist of Tethers Unlimited, a partnership formed in 1994 specializing in highly survivable space tethers.

He pioneered the field of gravitational engineering, and invented the gravitational mass detector; pioneered the fields of smart structures, of ultra-cold neutrons, of antimatter propulsion, of space tethers, of rocketless propulsion; was the first to invent a method for levitating spacecraft without its being in orbit; and invented the space tethers, which will revolutionize space travel within the solar system

## Note to Researcher

*The Guide to the Robert L. Forward Collection* is organized into eleven major subjects or series. These series are listed in the Table of Contents as Technical Publications, Journal Articles; Art; Research Contracts; Science Fiction; Patents; Reference Material; Personal Biography; Electronic Stored Media; 35mm Slide Presentations; Personal Papers, Research Notes and Letters; and Memorabilia. The Guide is available in print and also online from the Archives website at <http://www.uah.edu/library>. Additional information about Robert L. Forward can be found at <http://lib.uah.edu/about/department/forward/index.html>, the original Robert Forward website now maintained by UAH. Another website is the current Robert Forward website, <http://www.robertforward.com/index.htm>, which is maintained by the Forward family. Additional information on Dr. Robert L. Forward can be found from the Eaton Special Collections Archives, University Of California, Riverside.

All materials of this collection---books, documents, artifacts, photographs, drawings, film or film clips etc.---are to be used in the Archives Dept. and may not circulate outside of the library.

## *Series 1 Technical Publications*

**Location** 1.01.001                      **Series** 1 Technical Publications                      **Box** 1   **Folder** 1  
**Title**     *Extracting Electrical Energy from the Vacuum by Cohesion of Charged Foliated Conductors*  
                    Published for The American Physical Society  
**Author** Robert L. Forward                      **Source** Hughes Research Laboratories  
**Date Published** 8/15/1984                      **Document Number** Volume 30, Number 4

**Location** 1.01.002                      **Series** 1 Technical Publications                      **Box** 1   **Folder** 2  
**Title**     *Apparent Endless Extraction of Energy from the Vacuum by Cyclic Manipulation of Casimir Cavity Dimensions*  
**Author** Robert L. Forward                      **Source** Forward Unlimited  
**Date Published** 8/12/1997                      **Document Number**

**Location** 1.01.003                      **Series** 1 Technical Publications                      **Box** 1   **Folder** 3  
**Title**     *Observational Search for Negative Matter in Intergalactic Voids*  
**Author** Robert L. Forward                      **Source** Forward Unlimited  
**Date Published** 8/12/1997                      **Document Number**

**Location** 1.01.004                      **Series** 1 Technical Publications                      **Box** 1   **Folder** 4  
**Title**     *Negative Matter Propulsion*  
**Author** Robert L. Forward                      **Source** Forward Unlimited and the Journal of Propulsion and Power  
**Date Published** 2/1/1990                      **Document Number** Volume 6, Number 1

**Location** 1.01.005                      **Series** 1 Technical Publications                      **Box** 1   **Folder** 5  
**Title**     *Far Out Physics*  
**Author** Robert L. Forward                      **Source** Published by Science Fiction Analog Science Fact  
**Date Published** 8/1/1975                      **Document Number** Volume XCV Number 8

**Location** 1.01.006                      **Series** 1 Technical Publications                      **Box** 1   **Folder** 6  
**Title**     *Future Lunar Gravity Measurements*  
**Author** Robert L. Forward                      **Source** Hughes Research Laboratories  
**Date Published** 8/9/1979                      **Document Number**

**Location** 1.01.007                      **Series** 1 Technical Publications                      **Box** 1 **Folder** 7  
**Title** Gravity Gradient Mapping From the Lunar Polar Orbiter-A Simulation Study  
**Author** Robert L. Forward                      **Source** Hughes Research Laboratories  
**Date Published** 5/19/1976                      **Document Number**

**Location**

**Location** 1.01.013                      **Series** 1 Technical Publications                      **Box** 1 **Folder** 13  
**Title**    *Electronically Cold Microwave Artificial Resistors*  
**Author** Robert L. Forward                      **Source** Paper presented to the IEEE Transactions on Microwave Theory and  
Techniques  
**Date Published** 1/1/1983                      **Document Number**                      Volume 31 Number 1

**Location** 1.01.014                      **Series** 1 Technical Publications                      **Box** 1 **Folder** 14V  
**Title**    *The Paradox of Interstellar Transport*  
**Author** Robert L. Forward                      **Source** Publication Far Frontiers, Baen Book Company ISBN: 0-671-55935-4  
**Date Published** 1/1/1985                      **Document Number**

**Location** 1.01.015                      **Series** 1 Technical Publications                      **Box** 1 **Folder** 15  
**Title**    *Surgical Strikes From Space Using Solar Sail Statites*  
**Author** Robert L. Forward                      **Source** Paper presented under the organization of Forward Unlimited and  
sponsored under contract with Phillips Laboratory  
**Date Published** 1/22/1991                      **Document Number**                      FUn-91-020-Rev/ 1

**Location** 1.01.016                      **Series** 1 Technical Publications                      **Box** 1 **Folder** 16  
**Title**    *Apparent Method for Extraction of Propulsion Energy from the Vacuum*  
**Author** Robert L. Forward                      **Source** Paper presented to the American Institute of Aeronautics and  
Astronautics  
**Date Published** 7/13/1998                      **Document Number**                      AIAA 98-3140

**Location** 1.01.017                      **Series** 1 Technical Publications                      **Box** 1 **Folder** 17  
**Title**    *Diamond Fuel Tanks for High Pressure HEDM Fuels*  
**Author** Robert L. Forward                      **Source** Paper presented to the American Institute of Aeronautics and  
Astronautics  
**Date Published** 4/23/1991                      **Document Number**                      AIAA-91-2451

**Location** 1.01.018                      **Series** 1 Technical Publications                      **Box** 1 **Folder** 18  
**Title**    *Zero Thrust Velocity Vector Control for Interstellar Probes Lorentz Force Navigation and Circling*  
**Author** Robert L. Forward                      **Source** Paper presented to the American Institute of Aeronautics and  
Astronautics  
**Date Published** 5/1/1964                      **Document Number**                      AIAA-Journal Vol.2. No 5



<b>Location</b>	1.01.025	<b>Series</b>	1 Technical Publications	<b>Box</b>	1	<b>Folder</b>	25
<b>Title</b>	AD ASTRA						
<b>Author</b>	Robert L. Forward	<b>Source</b>	Paper Published by the Journal of the British Interplanetary Society				
<b>Date Published</b>	1/1/1996	<b>Document Number</b>	Journal of the British Interplanetary Society Vol. 49. pp.23-32				
<b>Location</b>	1.01.026	<b>Series</b>	1 Technical Publications	<b>Box</b>	1	<b>Folder</b>	26
<b>Title</b>	Grey Solar Sails						
<b>Author</b>	Robert L. Forward	<b>Source</b>	Paper Presented to the 25th Joint Propulsion Conference. AIAA Paper 89-2343				
<b>Date Published</b>	4/1/1990	<b>Document Number</b>	AIAA Journal of the Astronautical Sciences. Vol.38. No. 2.				
<b>Location</b>	1.01.027	<b>Series</b>	1 Technical Publications	<b>Box</b>	1	<b>Folder</b>	27
<b>Title</b>	Zero Thrust Velocity Vector Control for Interstellar Probes						
<b>Author</b>	Robert L. Forward	<b>Source</b>	Paper Presented to the AIAA Aerospace Sciences Meeting				
<b>Date Published</b>	1/20/1964	<b>Document Number</b>	AIAA Preprint No. 64-53				
<b>Location</b>	1.01.028	<b>Series</b>	1 Technical Publications	<b>Box</b>	1	<b>Folder</b>	28
<b>Title</b>	21st Century Space Propulsion						
<b>Author</b>	Robert L. Forward	<b>Source</b>	Paper Published in the Journal of Practical Applications in Space				
<b>Date Published</b>	1/1/1991	<b>Document Number</b>	Vol. II, No. 2.				
<b>Location</b>	1.01.029	<b>Series</b>	1 Technical Publications	<b>Box</b>	1	<b>Folder</b>	29
<b>Title</b>	Beamed Power Propulsion to the Stars						
<b>Author</b>	Robert L. Forward	<b>Source</b>	Paper Presented to the AAAS Symposium on Interstellar Communication and Travel				
<b>Date Published</b>	8/1/1986	<b>Document Number</b>					
<b>Location</b>	1.01.030	<b>Series</b>	1 Technical Publications	<b>Box</b>	1	<b>Folder</b>	30
<b>Title</b>	Nullor Space Drive						
<b>Author</b>	Robert L. Forward	<b>Source</b>	Paper Presented to the AIAA 26th Joint Propulsion Conference				
<b>Date Published</b>	7/16/1990	<b>Document Number</b>	AIAA 90-2364				

**Location** 1.01.031                      **Series** 1 Technical Publications                      **Box** 1 **Folder** 31  
**Title**    *Feasibility of Interstellar Travel: A Review*  
**Author** Robert L. Forward                      **Source** Paper Published in the Journal of the British Interplanetary Society  
**Date Published** 1/1/1986                      **Document Number**                      Vol. 39, pp, 379-384

**Location** 1.02.032                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 32  
**Title**    *Antigravity*  
**Author** Robert L. Forward                      **Source** Article Published by the IRE  
**Date Published** 9/1/1961                      **Document Number**                      IRE 49, 1442

**Location** 1.02.033                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 33  
**Title**    *Guidelines to Antigravity*  
**Author** Robert L. Forward                      **Source** Paper Published by the American Journal of Physics  
**Date Published** 3/1/1963                      **Document Number**                      American Journal of Physics, Vol. 31, No.  
3, 166-170

**Location** 1.02.034                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 34  
**Title**    *General Relativity for the Experimentalist*  
**Author** Robert L. Forward                      **Source** Paper Published by the Proceedings of the IRE  
**Date Published** 5/1/1961                      **Document Number**                      IRE Vol, 49. No. 5

**Location** 1.02.035                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 35  
**Title**    *Mass Modification Experiment Definition Study (An Air Force Report)*  
**Author** Robert L. Forward                      **Source** Final Report Phillips Laboratory Propulsion directorate  
**Date Published** 2/1/1996                      **Document Number**                      PL-TR-96-3004

**Location** 1.02.036                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 36  
**Title**    *A Programme For Interstellar Exploration*  
**Author** Robert L. Forward                      **Source** Paper Published for the Journal of the British Interplanetary Society  
**Date Published** 1/1/1976                      **Document Number**                      Vol.29, pp. 611-632

**Location** 1.02.037                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 37  
**Title** *Antimatter Propulsion*  
**Author** Robert L. Forward                      **Source** Paper Published for the Journal of the British Interplanetary Society  
**Date Published** 1/1/1982                      **Document Number** Vol. 35, pp. 391-395

**Location** 1.02.038                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 38  
**Title** *Electronic Damping of Orthogonal Bending Modes in a Cylindrical Mast-Theory*  
**Author** Charles J. Swigert                      **Source** Paper Published for the Journal Spacecraft,  
and Robert L. Forward                      American Institute of Aeronautics and Astronautics  
**Date Published** 2/1/1981                      **Document Number** Vol. 18, No. 1 AIAA 81-4017

**Location** 1.02.039                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 39  
**Title** *Upper Limit for Interstellar Millicycle Gravitational Radiation*  
**Author** Robert L. Forward                      **Source** Letter to the Editors of Nature Magazine  
**Date Published** 2/11/1961                      **Document Number** Vol. 189, No. 4763, p. 473

**Location** 1.02.040                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 40  
**Title** *Gravitational-Radiation Detection Range for Binary Stellar Systems*  
**Author** Robert L. Forward                      **Source** Paper Published in Physical Review Letters  
**Date Published** 6/12/1967                      **Document Number** Vol. 18, No. 24

**Location** 1.02.041                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 41  
**Title** *Photon-Noise-Limited Laser Transducer for Gravitational Antenna*  
**Author** G.E. Moss, L. R. Miller,                      **Source** Paper Published in Applied Optics  
and Robert L. Forward  
**Date Published** 11/1/1971                      **Document Number** Vol. 10, No. 11

**Location** 1.02.042                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 42  
**Title** *Wideband Laser-interferometer Gravitational-radiation Experiment*  
**Author** Robert L. Forward                      **Source** Paper Published in Physical Review of the American Physical Society  
**Date Published** 1/15/1978                      **Document Number** Vol. 17, No. 2

**Location** 1.02.043                      **Series** 1 Technical Publications                      **Box 2 Folder** 43  
**Title**    *Space Warps: A Review of One Form of Propulsionless Transport*  
**Author** Robert L. Forward                      **Source** Paper Published in the Journal of The British Interplanetary Society.  
**Date Published** 1/1/1989                      **Document Number**                      Vol. 42, pp. 533-542

**Location** 1.02.044                      **Series** 1 Technical Publications                      **Box 2 Folder** 44  
**Title**    *Generation and Detection of Dynamic Gravitational-Gradient Fields*  
**Author** Robert L. Forward                      **Source** Paper Published in the Journal of Applied Physics, American Institute  
of Physics  
**Date Published** 2/1/1967                      **Document Number**                      Vol. 38, No. 2. pp. 512-518

**Location** 1.02.045                      **Series** 1 Technical Publications                      **Box 2 Folder** 45  
**Title**    *Simulated Terrain Mapping With the Rotating Gravity Gradiometer*  
**Author** Curtis C. Bell                      **Source** Paper Presented and Published in the Proceedings of the  
and Robert L. Forward                      Symposium on Dynamic Gravimetry  
**Date Published** 3/16/1970                      **Document Number**

**Location** 1.02.046                      **Series** 1 Technical Publications                      **Box 2 Folder** 46  
**Title**    *Flattening Spacetime near the Earth*  
**Author** Robert L. Forward                      **Source** Paper Published in Physical Review, The American Physical Society  
**Date Published** 8/15/1982                      **Document Number**                      Vol. 26, No. 4

**Location** 1.02.047                      **Series** 1 Technical Publications                      **Box 2 Folder** 47  
**Title**    *Natural Wormholes as Gravitational Lenses*  
**Author** John G. Cramer,                      **Source** Paper Published in Physical Review, The American Physical  
Robert L. Forward                      Society  
**Date Published** 3/15/1995                      **Document Number**                      Vol. 51, No. 6

**Location** 1.02.048                      **Series** 1 Technical Publications                      **Box 2 Folder** 48  
**Title**    *Detectors for Dynamic Gravitational Fields*  
**Author** Robert L. Forward                      **Source** Thesis submitted to the Faculty, Graduate School, University of  
Maryland for the degree of Doctor of Philosophy.  
**Date Published** 1/1/1965                      **Document Number**

**Location** 1.02.049                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 49  
**Title** 21st Century Space Propulsion Study Addendum  
**Author** Robert L. Forward                      **Source** Final Report submitted to Phillips Laboratory Propulsion Directorate  
**Date Published** 6/1/1991                      **Document Number** PL-TR--91-3022

**Location** 1.02.050                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 50  
**Title** Tether System for Exchanging Payloads Between Low Earth Orbit and the Lunar Surface  
**Author** Robert P. Hoyt                      **Source** Paper presented to the Joint Propulsion Conference and Exhibit, AIAA  
**Date Published** 7/6/1997                      **Document Number** AIAA 97-2794

**Location** 1.02.051                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 51  
**Title** Rapid Interplanetary Tether Transport Systems  
**Author** Robert P. Hoyt,  
Robert L. Forward, Gerald D. Nordley                      **Source** Paper presented to the 50th International  
Astronautical Congress, Amsterdam  
**Date Published** 10/4/1999                      **Document Number** IAF-99-A.5.10

**Location** 1.02.052                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 52  
**Title** Advanced Quantum/Relativity Theory Propulsion  
**Author** Gary L. Bennett,  
Robert L. Forward                      **Source** Report on the NASA/JPL Workshop, Joint Propulsion  
Conference and Exhibit  
**Date Published** 7/10/1995                      **Document Number** AIAA 95-2599

**Location** 1.02.053                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 53  
**Title** Mars-Earth Rapid Interplanetary Tether Transport System: I. Initial Feasibility Analysis  
**Author** Gerald D. Nordley                      **Source** Paper Published in the Journal of Propulsion and Power  
and Robert L. Forward  
**Date Published** 6/1/2001                      **Document Number** Vol. 17, No. 3 AIAA 99-2151

**Location** 1.02.054                      **Series** 1 Technical Publications                      **Box** 2 **Folder** 54  
**Title** A Taste Of Dragon's Egg  
**Author** Robert L. Forward                      **Source** Article written for the publication Analog, Science Fiction Science Fact  
**Date Published** 4/1/1980                      **Document Number**



**Location** 1.03.061                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 61  
**Title**     Radioisotope Sails For Deep Space Propulsion And Power  
**Author** Robert L. Forward                      **Source** Paper Published in the Journal Of British Interplanetary Society  
**Date Published** 1/1/1996                      **Document Number**                      Vol. 49, pp. 147-149

**Location** 1.03.062                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 62  
**Title**     A Transparent Derivation of the Relativistic Rocket Equation  
**Author** Robert L. Forward                      **Source** Paper presented at the 31st AIAA Joint Propulsion Conference and Exhibit  
**Date Published** 7/10/1995                      **Document Number**                      ASEE 95-3060

**Location** 1.03.063                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 63  
**Title**     Electronic cooling of resonant gravity gradiometers  
**Author** Robert L. Forward                      **Source** Paper Published in the Journal of Applied Physics  
**Date Published** 1/1/1979                      **Document Number**                      Vol. 50 No. 1

**Location** 1.03.064                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 64  
**Title**     Letter regarding Papromy's bibliography  
**Author** Robert L. Forward                      **Source** Interstellar Propulsion Society  
**Date Published** 2/17/1995                      **Document Number**

**Location** 1.03.065                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 65  
**Title**     Tether Transport From Leo To The Lunar Surface  
**Author** Robert L. Forward                      **Source** Paper to be presented at the AIAA 27th Joint Propulsion Conference  
**Date Published** 7/24/1991                      **Document Number**                      AIAA-91-2322

**Location** 1.03.066                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 66  
**Title**     Failsafe Multistrand Tether Structures for Space Propulsion  
**Author** Robert L. Forward                      **Source** Paper Presented to the AIAA 28th Joint Propulsion Conference and Exhibit  
**Date Published** 7/6/1992                      **Document Number**                      AIAA 92-3214



**Location** 1.03.073                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 73  
**Title** Breakthrough Physics  
**Author** Robert L. Forward                      **Source** Special Report, Hughes Aircraft Corporation  
**Date Published** 10/1/1987                      **Document Number** HAC REF NO. GO688

**Location** 1.03.074                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 74  
**Title** The Way to Go in Space  
**Author** Tim Beardsley                      **Source** Special Article written in Scientific American  
**Date Published** 2/1/1999                      **Document Number** Vol. 280 NO. 2

**Location** 1.03.075                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 75  
**Title** Hastol Tether Boost Facility Module Replacement Rate Due To Space Impactor cuts  
**Author** Robert L. Forward                      **Source** Paper Presented at the 38th AIAA Joint Propulsion Conference & Exhibit  
**Date Published** 7/7/2002                      **Document Number** AIAA 2002-3897

**Location** 1.03.076                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 76  
**Title** Retrieve Tether Survival Probability  
**Author** Robert L. Forward                      **Source** Paper Presented at the 38th AIAA Joint Propulsion Conference & Exhibit  
**Date Published** 7/7/2002                      **Document Number** AIAA 2002-4047

**Location** 1.03.077                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 77  
**Title** The Retrieve Microsatellite Tether Deorbit Experiment  
**Author** Robert Hoyt,  
Robert L. Forward                      **Source** Paper Presented at the 38th AIAA Joint Propulsion Conference & Exhibit  
**Date Published** 7/7/2002                      **Document Number** AIAA 2002-3893

**Location** 1.03.078                      **Series** 1 Technical Publications                      **Box** 3 **Folder** 78  
**Title** Mars-Earth Rapid Interplanetary Two-Way Tether Transport (Merittt) Architecture  
**Author** G. Nordley  
and Robert L. Forward                      **Source** Paper Presented at the 38th AIAA Joint Propulsion Conference & Exhibit  
**Date Published** 7/7/2002                      **Document Number** AIAA 2002-4325

**Location** 1.04.079                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 79

**Title** Failsafe Multiline Hoytethers As Solar Sail tension Members

**Author** Robert L. Forward

**Source** Overhead Presentation, Hughes Aircraft Co

**Date Published**

**Document Number**

**Location** 1.04.080                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 80

**Title** Statite: A Spacecraft That Does Not Orbit

**Author** Robert L. Forward

**Source** Paper Presented at the 25th Joint Propulsion Conference

**Date Published** 9/1/1991

**Document Number** AIAA 89-2546 Vol. 28, No. 5

**Location** 1.04.081                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 81

**Title** Effects of Vacuum Fluctuation Forces At Submicron Dimenstions

**Author** Robert L. Forward

**Source** Overhead Presentation, Hughes Aircraft Co

**Date Published** 2/1/1986

**Document Number**

**Location** 1.04.082                      **Series** 1 Technical Publications                      **Box**4 **Folder** 82

**Title** Radioisotope Sails For Deep Space Propulsion and Electrical Power

**Author** Robert L. Forward

**Source** Overhead Presentation, Forward Unlimited

**Date Published**

**Document Number**

**Location** 1.04.083                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 83

**Title** Carbon Sails

**Author** Robert L. Forward

**Source** Overhead Presentation, Forward Unlimited

**Date Published**

**Document Number**

**Location** 1.04.084                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 84

**Title** Human exploration of the Solar system Using Rotating Tether Transport Architectures

**Author** Robert L. Forward

**Source** Paper

**Date Published** 7/22/1999

**Document Number**

**Location** 1.04.085                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 85

**Title** Hypersonic Airplane space Tether Orbital Launch - HASTOL:

**Author** John E. Grant,                      **Source** Paper Presented to the 36th AIAA Joint Propulsion  
Robert L. Forward                      Conference and Exhibit Willenberg, Germany

**Date Published** 7/16/2000                      **Document Number** AIAA 2000-3841

**Location** 1.04.086                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 86

**Title** Design and Simulation Of A Tether Boost Facility For LEO---GTO Transport

**Author** Robert Hoyt                      **Source** Paper Presented to the 36th AIAA Joint Propulsion Conference and  
Exhibit

**Date Published** 7/17/2000                      **Document Number** AIAA 2000-3866

**Location** 1.04.087                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 87

**Title** Commercial Development Of A Tether Transport System

**Author** Robert Hoyt                      **Source** Paper Presented to the 36th AIAA Joint Propulsion Conference and  
Exhibit

**Date Published** 7/17/2000                      **Document Number** AIAA 2000-3842

**Location** 1.04.088                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 88

**Title** The Cislunar Tether Transport System Architecture

**Author** Robert P. Hoyt                      **Source** Paper Presented to the 2nd Lunar Development Conference

**Date Published** 7/20/2000                      **Document Number**

**Location** 1.04.089                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 89

**Title** Cislunar Tether Transport System

**Author** Robert P. Hoyt                      **Source** Proposal submitted by Tethers Unlimited

**Date Published** 1/1/1999                      **Document Number**

**Location** 1.04.090                      **Series** 1 Technical Publications                      **Box** 4 **Folder** 90

**Title** Hypersonic Airplane Space Tether Orbital Launch System

**Author** Tom Bogar                      **Source** Proposal submitted by Tethers Unlimited

**Date Published** 1/29/1999                      **Document Number**



**Location** 1.05.097                      **Series** 1 Technical Publications                      **Box** 5 **Folder** 97  
**Title** Hastol Tether boost Facility Module replacement Rate Due To space Impactor Cuts  
**Author** Robert L. Forward                      **Source** Paper Presented to the 38th AIAA Joint Propulsion Conference and Exhibit  
**Date Published** 7/7/2002                      **Document Number** AIAA 2002-3897

**Location** 1.05.098                      **Series** 1 Technical Publications                      **Box** 5 **Folder** 98  
**Title** The Retrieve Microsatellite Tether Deorbit Experiment  
**Author** Robert Hoyt, Robert Forward                      **Source** Paper Presented to the 38th AIAA Joint Propulsion Conference and Exhibit  
**Date Published** 7/7/2002                      **Document Number** AIAA 2002-3893

**Location** 1.05.099                      **Series** 1 Technical Publications                      **Box** 5 **Folder** 99  
**Title** Mars-Earth Rapid Interplanetary Tether Transport system: I. Initial Feasibility Analysis  
**Author** G. D. Nordley and Robert L. Forward                      **Source** Paper Presented to the 35th AIAA Joint Propulsion Conference and Exhibit  
**Date Published** 5/1/2001                      **Document Number** AIAA 99-2151

**Location** 1.05.100                      **Series** 1 Technical Publications                      **Box** 5 **Folder** 100  
**Title** Negative Matter Propulsion  
**Author** Robert L. Forward                      **Source** Paper Presented to the 24th AIAA Joint Propulsion Conference and Exhibit  
**Date Published** 7/11/1988                      **Document Number** AIAA 88-3168

**Location** 1.05.101                      **Series** 1 Technical Publications                      **Box** 5 **Folder** 101  
**Title** Interstellar Probe Science and Technology Definition Team, Meeting #1  
**Author**                      **Source** Jet Propulsion Laboratory  
**Date Published** 2/15/1999                      **Document Number**

**Location** 1.05.102                      **Series** 1 Technical Publications                      **Box** 5 **Folder** 102  
**Title** Interstellar Probe Science and Technology Definition Team, Meeting #2  
**Author**                      **Source** Jet Propulsion Laboratory  
**Date Published** 3/29/1999                      **Document Number**



<b>Location</b>	1.05.108	<b>Series</b>	1 Technical Publications	<b>Box</b>	5	<b>Folder</b>	108
<b>Title</b>	SEDS Characteristics and Capabilities						
<b>Author</b>	Joseph A. Carroll and John C. Oldson	<b>Source</b>	Paper presented the 1995 Tether Conference in Washington, DC				
<b>Date Published</b>	5/1/1995	<b>Document Number</b>					
<b>Location</b>	1.05.109	<b>Series</b>	1 Technical Publications	<b>Box</b>	5	<b>Folder</b>	109
<b>Title</b>	The Progress in the Development of the Tethered Satellite Project Rapunzel						
<b>Author</b>	D. Sabath, C. Kessler, M. Krischke	<b>Source</b>	Paper presented to the 44th congress of the International Astronautical Federation				
<b>Date Published</b>	10/16/1993	<b>Document Number</b>	IAF-93-A.3.23				
<b>Location</b>	1.05.110	<b>Series</b>	1 Technical Publications	<b>Box</b>	5	<b>Folder</b>	110
<b>Title</b>	Space Tethers						
<b>Author</b>	Robert L. Forward	<b>Source</b>	Paper				
<b>Date Published</b>	3/19/1995	<b>Document Number</b>					
<b>Location</b>	1.05.111	<b>Series</b>	1 Technical Publications	<b>Box</b>	5	<b>Folder</b>	111
<b>Title</b>	A Proposed Shuttle-Tethered Satellite System Atmospheric Verification Mission						
<b>Author</b>	Donald S. Crouch, Howard A. Flanders	<b>Source</b>	Paper to be presented at the NASA/Agenzia Spaziale Italiana 4th International Conference on Tethers in Space				
<b>Date Published</b>	4/10/1995	<b>Document Number</b>					
<b>Location</b>	1.05.112	<b>Series</b>	1 Technical Publications	<b>Box</b>	5	<b>Folder</b>	112
<b>Title</b>	An Update To Proposed Space Tether Applications For International Space Station Alpha						
<b>Author</b>	Donald S. Crouch, A. Colton Park	<b>Source</b>	Paper to be presented at the NASA/Agenzia Spaziale Italiana 4th International Conference on Tethers in Space				
<b>Date Published</b>	4/10/1995	<b>Document Number</b>					
<b>Location</b>	1.06.113	<b>Series</b>	1 Technical Publications	<b>Box</b>	6	<b>Folder</b>	113
<b>Title</b>	Breakthrough Physics						
<b>Author</b>	Robert L. Forward	<b>Source</b>	Special Report Contract F04611-86-C-0039 Prepared for Air Force Astronautics Laboratory				
<b>Date Published</b>	10/1/1987	<b>Document Number</b>	AFAL SR-87-001				



**Location** 1.06.120                      **Series** 1 Technical Publications                      **Box** 6 **Folder** 120  
**Title** Alternate Propulsion Energy Sources  
**Author** Robert L. Forward                      **Source** Phase 1 Report Contract FO4611-83-C-0013 Prepared for the Air Force Rocket Propulsion Laboratory  
**Date Published** 6/1/1983                      **Document Number** AFRPL-TR-83-039

**Location** 1.06.121                      **Series** 1 Technical Publications                      **Box** 6 **Folder** 121  
**Title** Alternate Propulsion Energy Sources  
**Author** Robert L. Forward                      **Source** Final Report Contract FO4611-83-C-0013 Prepared for the Air Force Rocket Propulsion Laboratory  
**Date Published** 12/1/1983                      **Document Number** AFRPL-TR-83-039

**Location** 1.06.122                      **Series** 1 Technical Publications                      **Box** 6 **Folder** 122  
**Title** Advanced Space Propulsion Study  
**Author** Robert L. Forward                      **Source** Final Report Contract FO4611-86-C-0039 Prepared For the Air Force Astronautics Laboratory  
**Date Published** 10/1/1987                      **Document Number** AFAL TR-87-070

**Location** 1.06.123                      **Series** 1 Technical Publications                      **Box** 6 **Folder** 123  
**Title** Antiproton Annihilation Propulsion  
**Author** Robert L. Forward                      **Source** Final Report Contract F04611-83-C-0046 Prepared For the Air Force Rocket Propulsion Laboratory  
**Date Published** 9/1/1985                      **Document Number** AFRPL TR-85-034

**Location** 1.06.124                      **Series** 1 Technical Publications                      **Box** 6 **Folder** 124  
**Title** Solar Sail Mission Requirements  
**Author** Robert L. Forward                      **Source** Final Report Contract 1208842 Prepared for the Charles Garner Jet Propulsion Laboratory  
**Date Published** 1/12/2000                      **Document Number**

**Location** 1.07.125                      **Series** 1 Technical Publications                      **Box** 7 **Folder** 125  
**Title** Mission Analysis and Design Tool (Swingby) User's Guide  
**Author** M. Durbeck                      **Source** Flight Dynamics Division FDD, Goddard Space Flight Center  
**Date Published** 9/1/1993                      **Document Number** 552-FDD-93/046ROUDO



**Location** 1.09.133                      **Series** 1 Technical Publications                      **Box** 9 **Folder** 133  
**Title**     Research toward Feasibility of an Instrument for Measuring Vertical Gradients of Gravity  
**Author** Robert L. Forward                      **Source** Final Report, Contract No. AF 19(628)-6134 Prepared for Air Force  
Cambridge Research Laboratories  
**Date Published** 10/1/1967                      **Document Number**                      AFCRL-67-0631

**Location** 1.09.134                      **Series** 1 Technical Publications                      **Box** 9 **Folder** 134  
**Title**     Failsafe Multistrand Tethers for Space Propulsion  
**Author** Robert L. Forward                      **Source** Final Report, Prepared for NASA/Marshall Space Flight Center  
**Date Published** 7/1/1992                      **Document Number**

**Location** 1.09.135                      **Series** 1 Technical Publications                      **Box** 9 **Folder** 135  
**Title**     Hypersonic Airplane Space Tether Orbital Launch System  
**Author**    **Source** Phase 1 Final Report Prepared for NASA Institute for the Advanced  
Concepts  
**Date Published** 1/7/2000                      **Document Number**                      BOEING-STL 2000P0001

**Location** 1.09.136                      **Series** 1 Technical Publications                      **Box** 9 **Folder** 136  
**Title**     Advanced Propulsion Research Definition Study  
**Author** Robert L. Forward                      **Source** Interim Annual Report Prepared for NASA JPL  
**Date Published** 4/1/1993                      **Document Number**

**Location** 1.10.137                      **Series** 1 Technical Publications                      **Box** 10 **Folder** 137  
**Title**     Mirror Matter Newsletter  
**Author** Robert L. Forward                      **Source** Forward Unlimited  
**Date Published** 6/1/1986                      **Document Number**                      Vol. 1, No. 1 thru Vol. 5, No. 18

**Location** 1.10.138                      **Series** 1 Technical Publications                      **Box** 10 **Folder** 138  
**Title**     The Stars Our Destination? the Feasibility of Interstellar Travel  
**Author** Robert L. Forward                      **Source** Paper Published in The Planetary Report, published by The Planetary  
Society  
**Date Published** 1/1/2003                      **Document Number**                      Vol. XXIII, No. 1

## *Series 2 Art*

*Location* 2.01.001                      *Series* 2 ART    *Box* 1 *Folder* 1

*Title*    ART Layout Logo examples for the Forward Unlimited company.

*Author* Robert L. Forward                      *Source* Forward Unlimited

*Date Published*                                      *Document Number*

*Location* 2.01.002                      *Series* 2 ART    *Box* 1 *Folder* 2

*Title*    Starship Illustrations and NASA Photographs of the Voyager Mission.

*Author*    *Source* Hughes Research Laboratories Photo Media

*Date Published*                                      *Document Number*

*Location* 2.01.003                      *Series* 2 ART    *Box* 1 *Folder* 3

*Title*    Overhead Presentation Artwork associated with various Propulsion systems

*Author*    *Source*

*Date Published*                                      *Document Number*

*Location* 2.01.004                      *Series* 2 ART                                      *Box* 1 *Folder* 4

*Title*    Overhead Presentation Artwork associated with the subject of Negative Matter Propulsion

*Author*    *Source*

*Date Published*                                      *Document Number*

*Location* 2.01.005                      *Series* 2 ART                                      *Box* 1 *Folder* 5

*Title*    Overhead Presentation Artwork, mixed subjects associated with Propulsion Technology.

*Author*    *Source*

*Date Published*                                      *Document Number*

*Location* 2.02.006                      *Series* 2 ART                                      *Box* 2 *Folder* 6

*Title*    Overhead Presentation Artwork associated with the subject of Gravity

*Author*    *Source*

*Date Published*                                      *Document Number*

**Location** 2.02.007                      **Series** 2 ART                      **Box** 2 **Folder** 7  
**Title** ART work Illustrations for the Book Rocheworld  
**Author** Robert L. Forward                      **Source**  
**Date Published**                      **Document Number**

**Location** 2.02.008                      **Series** 2 ART                      **Box** 2 **Folder** 8  
**Title** Overhead Presentation Artwork associated with the subject of Tether Technology  
**Author**                      **Source** Tethers Unlimited Inc  
**Date Published**                      **Document Number**

**Location** 2.02.009                      **Series** 2 ART                      **Box** 2 **Folder** 9  
**Title** Overhead Presentation Artwork associated with the subject of Spacetime Warps  
**Author**                      **Source** Hughes Aircraft Research Laboratories  
**Date Published**                      **Document Number**

**Location** 2.03.001                      **Series** 2 ART                      **Box** 3 **Folder** 1  
**Title** Art Illustration Entitled *Flight of the Dragonfly*  
**Author**                      **Source** From the donated collections of Martha Forward  
**Date Published**                      **Document Number**

**Location** 2.03.002                      **Series** 2 ART                      **Box** 3 **Folder** 2  
**Title** Art Illustration Entitled *Starwisp*  
**Author**                      **Source** From the donated collections of Martha Forward  
**Date Published**                      **Document Number**

**Location** 2.3.003                      **Series** 2 ART                      **Box** 3 **Folder** 3  
**Title** Placard Art Illustration in Memory of Robert L. Forward.  
**Author**                      **Source** From the donated collections of Martha Forward  
**Date Published**                      **Document Number**

## *Series 3 Research*

**Location** 3.01.001                      **Series** 3 Research                      **Box** 1 **Folder** 1

**Title** Vulcan Northwest Charette (planning meeting)

**Author**    **Source**

**Date Published**                                      **Document Number**

**Location** 3.01.002                      **Series** 3 Research                      **Box** 1 **Folder** 2

**Title** Jet Propulsion Lab Research Contract No 960758 particulars

**Author**    **Source** Forward Unlimited Inc.

**Date Published**                                      **Document Number**

**Location** 3.01.003                      **Series** 3 Research                      **Box** 1 **Folder** 3

**Title** The Study of Deep Space Astronautics

**Author** Robert L. Forward                      **Source** Final Report Task Order No RF-295 prepared for JPL.

**Date Published** 9/30/1998                      **Document Number**

**Location** 3.01.004                      **Series** 3 Research                      **Box** 1 **Folder** 4

**Title** The Study of Deep Space Astronautics

**Author** Robert L. Forward                      **Source** Monthly Interim Report No 1 Task Order No RF-295 prepared for JPL

**Date Published** 10/1/1996                      **Document Number**

**Location** 3.01.005                      **Series** 3 Research                      **Box** 1 **Folder** 5

**Title** Advanced Propulsion Research Definition Study

**Author** Robert L. Forward                      **Source** Contract particulars with Jet Propulsion Laboratory No. 959317

**Date Published**                                      **Document Number**

**Location** 3.01.006                      **Series** 3 Research                      **Box** 1 **Folder** 6

**Title** Space Architecture and Technology Investment Strategy (SATIS) Time and Materials Contract

**Author** Robert L. Forward                      **Source** Contract particulars, Johns Hopkins Applied Physics Laboratory.  
Contract No. 811237

**Date Published**                                      **Document Number**

**Location** 3.01.007                      **Series** 3 Research                      **Box** 1 **Folder** 7  
**Title** Solar Sail Mission Requirements, Final Report  
**Author** Robert L. Forward                      **Source** Contract particulars, JPL Contract No 1208842  
**Date Published** 1/12/2000                      **Document Number**

**Location** 3.01.008                      **Series** 3 Research                      **Box** 1 **Folder** 8  
**Title** Interstellar Propulsion Concepts Assessment, Technical Reports.  
**Author** Robert L. Forward                      **Source** Contract particulars, NASA/Marshall Space Flight Center Purchase  
Order H-30839D  
**Date Published** 3/19/1999                      **Document Number**

## *Series 4 Science Fiction*

**Location** 4.01.001                      **Series** 4 Science Fiction                      **Box** 1 **Folder** 1  
**Title** Scott Meredith Literary Agency Contract Particulars  
**Author** Robert L. Forward                      **Source** Contract with Scott Meredith Literary Agency and Baen Books  
**Date Published**                      **Document Number**

**Location** 4.01.002                      **Series** 4 Science Fiction                      **Box** 1 **Folder** 2  
**Title** Starquake  
**Author** Robert L. Forward                      **Source** Contract particulars, Ballantine Books  
**Date Published**                      **Document Number**

**Location** 4.01.003                      **Series** 4 Science Fiction                      **Box** 1 **Folder** 3  
**Title** Rocheworld, Sequels  
**Author** Robert L. Forward                      **Source** Contract particulars, Baen Publishing Enterprises  
**Date Published**                      **Document Number**

**Location** 4.01.004                      **Series** 4 Science Fiction                      **Box** 1 **Folder** 4  
**Title** Timemaster and Camelot Titania  
**Author** Robert L. Forward                      **Source** Contract particulars, Tom Doherty Associates, Inc.  
**Date Published**                      **Document Number**

**Location** 4.01.005                      **Series** 4 Science Fiction                      **Box** 1 **Folder** 5  
**Title** Timemaster  
**Author** Robert L. Forward                      **Source** Contract particulars, Book Sales  
**Date Published**                      **Document Number**

**Location** 4.01.006                      **Series** 4 Science Fiction                      **Box** 1 **Folder** 6  
**Title** Rocheworld ART  
**Author** Robert L. Forward                      **Source** Art Work front book Cover.  
**Date Published**                      **Document Number**

**Location** 4.01.007                      **Series** 4 Science Fiction                      **Box** 1 **Folder** 7  
**Title** *Mammalian Connections*, Outline (Premise for a hard science fiction novel)  
**Author** Robert L. Forward                      **Source** Proposed new book presented to Scott Meredith Literary Agency  
**Date Published** 5/17/1993                      **Document Number**

**Location** 4.01.008                      **Series** 4 Science Fiction                      **Box** 1 **Folder** 8  
**Title** *Heaven Must Fall*, Outline (Premise for a hard science fiction novel)  
**Author** Robert L. Forward                      **Source** Proposed new book presented to Dula and Shields Houston, TX  
**Date Published** 11/2/1992                      **Document Number**

**Location** 4.01.009                      **Series** 4 Science Fiction                      **Box** 1 **Folder** 9  
**Title** *Supernova; Flights of the Dragonflies; Reaching Out; and The Man Who Would Not be Caged*. Book Outlines, (Premise for a hard science fiction novel)  
**Author** Robert L. Forward                      **Source** Proposed new books presented to Scott Meredith Literary Agency  
**Date Published**                      **Document Number**

**Location** 4.01.010                      **Series** 4 Science Fiction                      **Box** 1 **Folder**  
**Title** Wild Ideas (listing of potential subjects for future research projects)  
**Author** Robert L. Forward                      **Source**  
**Date Published** 6/24/1969                      **Document Number**

**Location** 4.02.001                      **Series** 4 Science Fiction                      **Box** 2 **Folder** 1  
**Title** Simon & Shuster (royalty summary statements)  
**Author** Robert L. Forward                      **Source** Simon and Schuster  
**Date Published**                      **Document Number**

**Location** 4.02.002                      **Series** 4 Science Fiction                      **Box** 2 **Folder** 2  
**Title** La Factoria (Contract)  
**Author** Robert L. Forward                      **Source** La Factoria (letters pertaining to contract license)  
**Date Published** 2/27/2002                      **Document Number**

**Location** 4.02.003                      **Series** 4 Science Fiction                      **Box** 2 **Folder** 3  
**Title** Ballantine Books (royalty summary statements)  
**Author** Robert L. Forward                      **Source** Ballantine Books  
**Date Published**                      **Document Number**

**Location** 4.02.004                      **Series** 4 Science Fiction                      **Box** 2 **Folder** 4

**Title** Baen Books (royalty summary statements)

**Author** Robert L. Forward                      **Source** Baen Books

**Date Published**                      **Document Number**

**Location** 4.03.001                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 1

**Title** *Rocheworld*, book agreement between Baen Publishing Enterprises and Robert L. Forward

**Author** Robert L. Forward                      **Source** Baen Publishing Enterprises

**Date Published** 6/1/1991                      **Document Number**

**Location** 4.03.002                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 2

**Title** *Dragon's Egg*, book agreement between Ballantine Books, Scott Meredith Literary Agency and Robert L. Forward

**Author** Robert L. Forward                      **Source** Ballantine Books

**Date Published** 1/23/1979                      **Document Number**

**Location** 4.03.003                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 3

**Title** *Martian Rainbow*, book agreement between Ballantine Books, Scott Meredith Literary Agency, Inc. and Robert L. Forward

**Author** Robert L. Forward                      **Source** Ballantine Books

**Date Published** 1/13/1987                      **Document Number**

**Location** 4.03.004                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 4

**Title** *Starquake*, book agreements with various publishing houses.

**Author** Robert L. Forward                      **Source** Ballantine Books

**Date Published** 1/22/1983                      **Document Number**

**Location** 4.03.005                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 5

**Title** *Mirror Matter*, book agreements with various publishing houses

**Author** Robert L. Forward                      **Source** BAEN Publishing Enterprises

**Date Published** 7/5/1986                      **Document Number**

**Location** 4.03.006

**Series** 4 Science Fiction

**Box** 3 **Folder** 6

**Title** *Future Magic*, book agreements with various publishing houses.

**Author** Robert L. Forward

**Source** AVON Books

**Date Published** 8/18/1983

**Document Number**

**Location**

**Location** 4.03.012                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 12  
**Title** *Fading into Blackness*, literary work publishing agreement between the Davis Publications, Inc. and Robert L. Forward.  
**Author** Robert L. Forward                      **Source** Davis Publications, Inc.  
**Date Published** 12/7/1987                      **Document Number**

**Location** 4.03.013                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 13  
**Title** *Polesitters*, literary work publishing agreement between the Davis Publications, Inc. and Robert L. Forward.  
**Author** Robert L. Forward                      **Source** Davis Publications, Inc  
**Date Published** 2/22/1990                      **Document Number**

**Location** 4.03.014                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 14  
**Title** *Flight of the Dragonfly*, book publishing agreement between BAEN Enterprises and Robert L. Forward  
**Author** Robert L. Forward                      **Source** BAEN Publishing Enterprises  
**Date Published** 6/21/1984                      **Document Number**

**Location** 4.03.015                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 15  
**Title** *Indistinguishable From Magic*, book publishing agreement between BAEN Publishing Enterprises and Robert L. Forward  
**Author** Robert L. Forward                      **Source** BAEN Publishing Enterprises  
**Date Published** 3/1/1994                      **Document Number**

**Location** 4.03.016                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 16  
**Title** *Acceleration Constant*, literary work publishing agreement between the Davis Publications, Inc. and Scott Meredith Literary Agency  
**Author** Robert L. Forward                      **Source** Scott Meredith Literary Agency  
**Date Published** 6/25/1985                      **Document Number**

**Location** 4.03.017                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 17  
**Title** Hard Science Fiction article publishing agreement between the Southern Illinois University Press and Robert L. Forward  
**Author** Robert L. Forward                      **Source** Southern Illinois University Press.  
**Date Published** 9/27/1984                      **Document Number**

**Location** 4.03.018                      **Series** 4 Science Fiction                      **Box** 3 **Folder** 18  
**Title** Advisory Services agreement between Blastoff.Com, Inc. and Robert L. Forward  
**Author** Robert L. Forward                      **Source** Blastoff.com, Inc.  
**Date Published** 7/19/2000                      **Document Number**

**Location** 4.04.001                      **Series** 4 Science Fiction                      **Box** 4 **Folder** 1  
**Title** Paperback Book Entitled *Saturn Rukh*  
**Author** Robert L. Forward                      **Source** From the donated collections of Martha Forward  
**Date Published**                      **Document Number**

**Location** 4.04.002                      **Series** 4 Science Fiction                      **Box** 4 **Folder** 2  
**Title** Paperback Book Entitled *The Flight of the Dragonfly*  
**Author** Robert L. Forward                      **Source** From the donated collections of Martha Forward  
**Date Published**                      **Document Number**

**Location** 4.04.003                      **Series** 4 Science Fiction                      **Box** 4 **Folder** 3  
**Title** Hardbound Book Entitled *Saturn Rukh*  
**Author** Robert L. Forward                      **Source** From the donated collections of Martha Forward  
**Date Published**                      **Document Number**

**Location** 4.04.004                      **Series** 4 Science Fiction                      **Box** 4 **Folder** 4  
**Title** Paperback Book Entitled *Rocheworld*  
**Author** Robert L. Forward                      **Source** From the donated collections of Martha Forward  
**Date Published**                      **Document Number**

**Location** 4.04.005                      **Series** 4 Science Fiction                      **Box** 4 **Folder** 5  
**Title** Paperback Book Entitled *Camelot 30K*  
**Author** Robert L. Forward                      **Source** From the donated collections of Martha Forward  
**Date Published**                      **Document Number**

**Location** 4.04.006                      **Series** 4 Science Fiction                      **Box** 4 **Folder** 6  
**Title** Hardbound Book Entitled *Interstellar Travel & Multi-Generation Space Ships*  
**Author** Robert L. Forward                      **Source** From the donated collections of Martha Forward  
**Date Published**                      **Document Number**

**Location** 4.04.007                      **Series** 4 Science Fiction                      **Box** 4 **Folder** 7  
**Title**      Hardbound Book Titled *Dragon's Egg*  
**Author** Robert L. Forward                      **Source** From the donated collections of Martha Forward  
**Date Published**                                      **Document Number**

## Series 5 Patents

**Location** 5.01.001                      **Series** 5 Patents                      **Box** 1 **Folder** 1

**Title** Failure Resistant Multiline Tether, United States Patent US 6,431,497

**Author** Robert P. Hoyt                      **Source** US Patent office  
and Robert L. Forward

**Date Published** 8/13/2002                      **Document Number**

**Location** 5.02.002                      **Series** 5 Patents                      **Box** 2 **Folder** 2

**Title** Electrodynamic Tether and Method of Use

**Author** Robert P. Hoyt                      **Source** US Patent Office  
and Robert L. Forward

**Date Published** 9/12/2000                      **Document Number** US 6,116,544

**Locatio** 5.02.003                      **Series** 5 Patents                      **Box** 2 **Folder** 3

**Title** Method of Moving a Payload (Patent Application Transmittal)

**Author** Robert P. Hoyt                      **Source** US Patent Office  
and Robert L. Forward

**Date Published** 9/8/2000                      **Document Number**

**Location** 5.02.004                      **Series** 5 Patents                      **Box** 2 **Folder** 4

**Title** Electrodynamic Tether Control

**Author** Robert P. Hoyt                      **Source** US Patent Office  
and Robert L. Forward

**Date Published** 7/16/2002                      **Document Number** US 6,419,191

**Location** 5.02.005                      **Series** 5 Patents                      **Box** 2 **Folder** 5

**Title** Method of Using A Tether (Patent Application Transmittal)

**Author** Robert P. Hoyt                      **Source** US Patent Office  
and Robert L. Forward

**Date Published** 9/8/2000                      **Document Number**



## Series 6 Reference Material

**Location** 6.01.001                      **Series** 6 Reference Material                      **Box** 1 **Folder** 1

**Title** Beamed Energy Transportation (BET) Presentation Package

**Author**    **Source** NASA Advanced Space Transportation Program

**Date Published** 10/3/1996                      **Document Number**

**Location** 6.01.002                      **Series** 6 Reference Material                      **Box** 1 **Folder** 2

**Title** The Interstellar Probe (ISP) Pre-Perihelion Trajectories and Application of Holography  
(NASA Contractor Report)

**Author**    **Source** A Space Transportation Directorate NASA MFS Contract H-29712D

**Date Published** 12/1/2001                      **Document Number**

**Location** 6.01.003                      **Series** 6 Reference Material                      **Box** 1 **Folder** 3

**Title** Telecommunications and Earth Observations Applications for Polar Stationary Solar Sails: Final Report

**Author**    **Source** National Oceanic and Atmospheric Administration

**Date Published** 8/8/2002                      **Document Number**

**Location** 6.01.004                      **Series** 6 Reference Material                      **Box** 1 **Folder** 4

**Title** Discussion Meeting on Gossamer Spacecraft (Ultralightweight Spacecraft): Final Report

**Author**    **Source** NASA Jet Propulsion Laboratory

**Date Published** 5/15/1980                      **Document Number** JPL 80-26

**Location** 6.01.005                      **Series** 6 Reference Material                      **Box** 1 **Folder** 5

**Title** Time Travel a collection of Papers presented on the subject.

**Author**    **Source**

**Date Published**                                      **Document Number**

**Location** 6.01.006                      **Series** 6 Reference Material                      **Box** 1 **Folder** 6

**Title** Breakthrough Propulsion Physics Workshop a collection of Papers, Notes and Letters pertaining to the above subject

**Author**    **Source**

**Date Published**                                      **Document Number**

**Location** 6.01.007                      **Series** 6 Reference Material                      **Box** 1 **Folder** 7  
**Title**    *Tachyons* a collection of Papers on the subject of Quantum Mechanics  
**Author**    **Source**  
**Date Published**                                      **Document Number**

**Location** 6.01.008                      **Series** 6 Reference Material                      **Box** 1 **Folder** 8  
**Title**    Fourth International conference on Tethers in Space (Tentative Agenda)  
**Author**    **Source** NASA  
**Date Published** 4/9/1995                      **Document Number**

## *Series 7 Personal Biography*

**Location** 7.01.001                      **Series** 7 Personal Biography                      **Box** 1 **Folder** 1

**Title** Dedication Ceremony Program

**Author**    **Source**

**Date Published** 7/23/2003                      **Document Number**

**Location** 7.01.002                      **Series** 7 Personal Biography                      **Box** 1 **Folder** 2

**Title** News Articles

**Author**    **Source**

**Date Published**                                      **Document Number**

**Location** 7.01.003                      **Series** 7 Personal Biography                      **Box** 1 **Folder** 3

**Title** Letters

**Author**    **Source**

**Date Published**                                      **Document Number**

**Location** 7.01.004                      **Series** 7 Personal Biography                      **Box** 1 **Folder** 4

**Title** Photographs

**Author**    **Source**

**Date Published**                                      **Document Number**

**Location** 7.01.005                      **Series** 7 Personal Biography                      **Box** 1 **Folder** 5

**Title** Robert L. Forward Personal Memorabilia

**Author**    **Source**

**Date Published**                                      **Document Number**

**Location** 7.01.006                      **Series** 7 Personal Biography                      **Box** 1 **Folder** 6

**Title** Collection Organization

**Author**    **Source**

**Date Published**                                      **Document Number**

**Location** 7.01.007                      **Series** 7 Personal Biography                      **Box** 1 **Folder** 7  
**Title** Picture Proofs of Robert L. Forward in various background settings  
**Author**    **Source** Claudia Kunin Photography, LA CA.  
**Date Published** 1/1/1989                      **Document Number**

## *Series 8 Electronic Format*

*Location* 8.01.001                      *Series* 8 Electronic Format                      *Box* 1 *Folder* 1

*Title* Eudora Email Files

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 8.01.002

*Series* 8 Electronic Format

*Box* 1 *Folder* 2

*Title* Martian Rainbow

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 8.01.003

*Series* 8 Electronic Format

*Box* 1 *Folder* 3

*Title* Personal

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 8.01.004

*Series* 8 Electronic Format

*Box* 1 *Folder* 4

*Title* FUn Files

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 8.01.005

*Series* 8 Electronic Format

*Box* 1 *Folder* 5

*Title* Personal Photos

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 8.01.006

*Series* 8 Electronic Format

*Box* 1 *Folder* 6

*Title* Eudora Mail Files

*Author*

*Source*

*Date Published*

*Document Number*

**Location** 8.01.007                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 7

**Title** Forward Unlimited RLF/RDF Books

**Author**

**Source**

**Date Published**

**Document Number**

**Location** 8.01.008                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 8

**Title** Interstellar Art

**Author**

**Source**

**Date Published**

**Document Number**

**Location** 8.01.009                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 9

**Title** JPL Interstellar Pids

**Author**

**Source**

**Date Published**

**Document Number**

**Location** 8.01.010                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 10

**Title** Old Diskettes

**Author**

**Source**

**Date Published**

**Document Number**

**Location** 8.01.011                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 11

**Title** Contracts (active)

**Author**

**Source**

**Date Published**

**Document Number**

**Location** 8.01.012                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 12

**Title** MMOSTT.sit

**Author**

**Source**

**Date Published**

**Document Number**

<b>Location</b> 8.01.013	<b>Series</b> 8 Electronic Format	<b>Box</b> 1 <b>Folder</b> 13
<b>Title</b> Old Photos & Art		
<b>Author</b>	<b>Source</b>	
<b>Date Published</b>	<b>Document Number</b>	
<b>Location</b> 8.01.014	<b>Series</b> 8 Electronic Format	<b>Box</b> 1 <b>Folder</b> 14
<b>Title</b> Robert Forward		
<b>Author</b>	<b>Source</b>	
<b>Date Published</b>	<b>Document Number</b>	
<b>Location</b> 8.01.015	<b>Series</b> 8 Electronic Format	<b>Box</b> 1 <b>Folder</b> 15
<b>Title</b> FUn Accounting		
<b>Author</b>	<b>Source</b>	
<b>Date Published</b>	<b>Document Number</b>	
<b>Location</b> 8.01.016	<b>Series</b> 8 Electronic Format	<b>Box</b> 1 <b>Folder</b> 16
<b>Title</b> Old Diskettes		
<b>Author</b>	<b>Source</b>	
<b>Date Published</b>	<b>Document Number</b>	
<b>Location</b> 8.01.017	<b>Series</b> 8 Electronic Format	<b>Box</b> 1 <b>Folder</b> 17
<b>Title</b> Marooned		
<b>Author</b>	<b>Source</b>	
<b>Date Published</b>	<b>Document Number</b>	
<b>Location</b> 8.01.018	<b>Series</b> 8 Electronic Format	<b>Box</b> 1 <b>Folder</b> 18
<b>Title</b> Rocheworld		
<b>Author</b>	<b>Source</b>	
<b>Date Published</b>	<b>Document Number</b>	

<b>Location</b>	8.01.019	<b>Series</b>	8 Electronic Format	<b>Box</b>	1	<b>Folder</b>	19
<b>Title</b>	Rocheworld Meld of 3 bad disks.						
<b>Author</b>		<b>Source</b>					
<b>Date Published</b>		<b>Document Number</b>					
<b>Location</b>	8.01.020	<b>Series</b>	8 Electronic Format	<b>Box</b>	1	<b>Folder</b>	20
<b>Title</b>	Rocheworld Chapters Long Baen Version						
<b>Author</b>		<b>Source</b>					
<b>Date Published</b>	9/25/1989	<b>Document Number</b>					
<b>Location</b>	8.01.021	<b>Series</b>	8 Electronic Format	<b>Box</b>	1	<b>Folder</b>	21
<b>Title</b>	Return To Rocheworld Version						
<b>Author</b>		<b>Source</b>					
<b>Date Published</b>	1/26/1992	<b>Document Number</b>					
<b>Location</b>	8.01.022	<b>Series</b>	8 Electronic Format	<b>Box</b>	1	<b>Folder</b>	22
<b>Title</b>	Ocean Under The ICE 4th Draft						
<b>Author</b>		<b>Source</b>					
<b>Date Published</b>	11/11/1993	<b>Document Number</b>					
<b>Location</b>	8.01.023	<b>Series</b>	8 Electronic Format	<b>Box</b>	1	<b>Folder</b>	23
<b>Title</b>	Rescued From Paradise 4th Draft						
<b>Author</b>		<b>Source</b>					
<b>Date Published</b>	7/2/1994	<b>Document Number</b>					
<b>Location</b>	8.01.024	<b>Series</b>	8 Electronic Format	<b>Box</b>	1	<b>Folder</b>	24
<b>Title</b>	Marooned On Eden 4th Draft						
<b>Author</b>		<b>Source</b>					
<b>Date Published</b>	3/31/1993	<b>Document Number</b>					

**Location** 8.01.025                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 25  
**Title** RFP  
**Author**  
**Date Published** 9/17/1994                      **Source**  
**Document Number**

**Location** 8.01.026                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 26  
**Title** Tether Unlimited Models  
**Author**  
**Date Published**                      **Source**  
**Document Number**

**Location** 8.01.027                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 27  
**Title** FUn Personal Eudora  
**Author**  
**Date Published** 10/10/2000                      **Source**  
**Document Number**

**Location** 8.01.028                      **Series** 8 Electronic Format                      **Box** 1 **Folder** 28  
**Title** Pole Sitter Early Ammantions  
**Author**  
**Date Published** 8/1/2000                      **Source**  
**Document Number**

## *Series 9 35mm Slide Presentations*

*Location* 9.01                      *Series* 9 35mm Slide Presentations *Box* 1 *Folder* 0

*Title* Space Related Subjects

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 9.02                      *Series* 9 35mm Slide Presentations *Box* 2 *Folder* 0

*Title* Anti-Matter

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 9.03                      *Series* 9 35mm Slide Presentations *Box* 3 *Folder* 0

*Title* Astronomical Subjects

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 9.04                      *Series* 9 35mm Slide Presentations *Box* 4 *Folder* 0

*Title* Sail & SF Story

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 9.05                      *Series* 9 35mm Slide Presentations *Box* 5 *Folder* 0

*Title* Tether Subjects

*Author*

*Source*

*Date Published*

*Document Number*

*Location* 9.06                      *Series* 9 35mm Slide Presentations *Box* 6 *Folder* 0

*Title* Future Magic Subjects

*Author*

*Source*

*Date Published*

*Document Number*

**Location** 9.07

**Series** 9 35mm Slide Presentations **Box** 7 **Folder** 0

**Title** Gravity Subjects

**Author**

**Source**

**Date Published**

**Document Number**

**Location** 9.08

**Series** 9 35mm Slide Presentations **Box** 8 **Folder** 0

**Title** Propulsion Subjects

**Author**

**Source**

**Date Published**

**Document Number**

## *Series 10*

### *Personal Papers, Research Notes and Letters*

**Location** 10.01.001                      **Series** 10 Personal Papers,                      **Box** 1 **Folder** 1  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #1

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 4/2/1976                      **Document Number** H2846-H2873

**Location** 10.01.002                      **Series** 10 Personal Papers,                      **Box** 1 **Folder** 2  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #2

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 8/11/1976                      **Document Number** H2846-H2873

**Location** 10.01.003                      **Series** 10 Personal Papers,                      **Box** 1 **Folder** 3  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #3

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 12/3/1976                      **Document Number** J1170-J1180

**Location** 10.01.004                      **Series** 10 Personal Papers,                      **Box** 1 **Folder** 4  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #4

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 12/2/1976                      **Document Number** J1180-J1194

**Location** 10.01.005                      **Series** 10 Personal Papers,                      **Box** 1 **Folder** 5  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #5

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 1/28/1977                      **Document Number** J1194-J1197

**Location** 10.02.006                      **Series** 10 Personal Papers,                      **Box** 2 **Folder** 6  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #6

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 2/10/1977                      **Document Number** J1197-J1211

**Location** 10.02.007                      **Series** 10 Personal Papers,                      **Box** 2 **Folder** 7  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #7

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 3/7/1977                      **Document Number** J1211-J1218

**Location** 10.02.008                      **Series** 10 Personal Papers,                      **Box** 2 **Folder** 8  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #8

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 3/30/1977                      **Document Number** J1218-J1241

**Location** 10.02.009                      **Series** 10 Personal Papers,                      **Box** 2 **Folder** 9  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #9

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 6/22/1977                      **Document Number** J1241-J1657

**Location** 10.03.010                      **Series** 10 Personal Papers,                      **Box** 3 **Folder** 10  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #10

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 4/12/1978                      **Document Number** J1657-K1464

**Location** 10.03.011                      **Series** 10 Personal Papers,                      **Box** 3 **Folder** 11  
Research Notes and Letters

**Title** Laboratory Research Notes "Electronic Cooling" Book #11

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 3/10/1980                      **Document Number** K1464-K1483



**Location** 10.05.018                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 18  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #1"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 7/30/1972                      **Document Number** G2287

**Location** 10.05.019                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 19  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #2"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 3/5/1973                      **Document Number** G2413

**Location** 10.05.020                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 20  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #3"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 8/29/1973                      **Document Number** H1015-H1300

**Location** 10.05.021                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 21  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #4"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 4/4/1974                      **Document Number** H1300-H1755

**Location** 10.05.022                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 22  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #5"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 1/2/1975                      **Document Number** H1300-H1755

**Location** 10.05.023                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 23  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #6"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 1/5/1976                      **Document Number** H1755-J1187

**Location** 10.05.024                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 24  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #7"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 1/1/1977                      **Document Number** J1187-J1640

**Location** 10.05.025                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 25  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #8"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 1/1/1978                      **Document Number** J1640-J2161

**Location** 10.05.026                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 26  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #9"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 1/1/1979                      **Document Number** J2161-K1038

**Location** 10.05.027                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 27  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #10"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 8/30/1979                      **Document Number** K1038-K1730

**Location** 10.05.028                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 28  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #11"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 2/5/1981                      **Document Number** K1730-K2009

**Location** 10.05.029                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 29  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #12"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 1/1/1982                      **Document Number** K2009-M1045

**Location** 10.05.030                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 30  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #13"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 6/1/1982                      **Document Number** M1045-M2803

**Location** 10.05.031                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 31  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #14"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 1/1/1985                      **Document Number** M2803-N4220

**Location** 10.05.032                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 32  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #15"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 5/1/1986                      **Document Number** N4220-N5765

**Location** 10.05.033                      **Series** 10 Personal Papers,                      **Box** 5 **Folder** 33  
Research Notes and Letters

**Title** Laboratory Research Notes "Journal #16"

**Author** Robert L. Forward                      **Source** The HUGHES Aircraft Co.

**Date Published** 1/1/1987                      **Document Number** N5765

## *Series 11 Memorabilia*

- Location** 11.01.001                      **Series** 11 Memorabilia                      **Box** 1 **Folder** 1  
**Title** Robert L. Forward's Class of 1950, High School Sports Letter in Football from Montgomery Blair Silver Spring, Maryland  
**Author**    **Source** From the donated collection of Martha Forward  
**Date Published**                                      **Document Number**
- Location** 11.01.002                      **Series** 11 Memorabilia                      **Box** 1 **Folder** 2  
**Title** Colorful Vests, hand made by Martha Forward for her husband  
**Author**    **Source** From the donated collection of Martha Forward  
**Date Published**                                      **Document Number**
- Location** 11.01.003                      **Series** 11 Memorabilia                      **Box** 1 **Folder** 3  
**Title** Robert L. Forward's Doctoral Hood Ph.D School of Physics  
**Author**    **Source** From the donated collection of Martha Forward  
**Date Published**                                      **Document Number**
- Location** 11.01.004                      **Series** 11 Memorabilia                      **Box** 1 **Folder** 4  
**Title** Samples of Tether construction.  
**Author**    **Source** From the donated collection of Martha Forward  
**Date Published**                                      **Document Number**
- Location** 11.01.005                      **Series** 11 Memorabilia                      **Box** 1 **Folder** 5  
**Title** Recognition Plaque, given to Robert L. Forward from the Space Colonization Technical Committee of AIAA, in Appreciation and Gratitude for his Lifelong Contributions to Human Knowledge.  
**Author**    **Source** From the donated collections of Martha Forward  
**Date Published**                                      **Document Number**
- Location** 11.01.006                      **Series** 11 Memorabilia                      **Box** 1 **Folder** 6  
**Title** Certificate of Fellowship Plaque presented to Robert L. Forward from The British Interplanetary Society  
**Author**    **Source** From the donated collections of Martha Forward  
**Date Published** 1/1/1974                              **Document Number**

**Location** 11.01.007                      **Series** 11 Memorabilia                      **Box** 1 **Folder** 7  
**Title** Recognition Plaque, presented to Robert L. Forward from the George C. Marshall Space Flight Center.  
**Author**    **Source** From the donated collections of Martha Forward  
**Date Published** 3/12/2002                      **Document Number**

**Location** 11.01.008                      **Series** 11 Memorabilia                      **Box** 1 **Folder** 8  
**Title** Testimonials to Robert L. Forward's life from various individuals in the Science and Literary fields.  
**Author**    **Source** From the donated collections of Martha Forward  
**Date Published**                                      **Document Number**

**Location** 11.01.009                      **Series** 11 Memorabilia                      **Box** 1 **Folder** 9  
**Title** Certificate of recognition from the AIAA Propulsion and Energy Technical Group for Robert L. Forward's contribution to the advancement of Space Propulsion  
**Author**    **Source** From the donated collections of Martha Forward  
**Date Published**                                      **Document Number**