

Astronautics Publications 2015

This list comprises English-language books published (original appearance or new edition) on various aspects of spaceflight in a variety of disciplines and ranging from juvenile and pop literature to texts intended for academia or practicing scientists and engineers. In addition to obvious topics of human spaceflight and unmanned interplanetary explorations, this list also includes the occasional non-astronautics title that has a space “flavor.” Titles that are published solely in electronic format are not included. Books denoted by ’ 🚲 ’ are for young readers. Special thanks to Chris Gamble and Joni Wilson for their assistance in compiling and editing the list.

—MLC

A–B

- 🚲 **Aliberti, Marco**, *When China Goes to the Moon...*, Springer [Studies in Space Policy Series].
- 🚲 **Aldrin, Buzz, with Marianne Dyson**, *Welcome to Mars: Making a Home on the Red Planet*. National Geographic.
- 🚲 **Al-Ekabi, Cenan (Ed.)**, *European Autonomy in Space*. Springer.
- 🚲 **Al-Ekabi, Cenan, Blandina Baranes, Peter Hulsroj, and Arne Lahcen (Eds.)**, *Yearbook on Space Policy 2012/2013: Space in a Changing World*. Springer.
- 🚲 **American Museum of Natural History**, *ABC Universe*. Sterling.
- 🚲 **Anderson, Clay**, *The Ordinary Spaceman: From Boyhood Dreams to Astronaut*. University of Nebraska Press.
- 🚲 **Associated Press**, *The Hubble Space Telescope: A Universe of New Discovery*. The Associated Press.
- 🚲 **Baker, David**, *NASA Hubble Space Telescope—1990 Onwards (Including All Upgrades)*. Haynes Publishing UK [Owner’s Workshop Manual].
- 🚲 **Baker, David**, *Rocket—1942 Onwards: An Insight into the Development and Technology of Space Rockets and Satellite Launchers*. Haynes Publishing UK [Owner’s Workshop Manual].
- 🚲 **Bassi, Joe**, *A Scientific Peak: How Boulder Became a World Center for Space and Atmospheric Science*. American Meteorological Society.
- 🚲 **Behrendt, Lloyd**, *STS-135 Atlantis: Covering the Last Shuttle Ever*. CreateSpace Independent Publishing Platform.
- 🚲 **Bell, Jim**, *The Interstellar Age: Inside the Forty-Year Voyager Mission*. Dutton.
- 🚲 **Bently, Peter**, *Space Shuttle Blasts Off! QEB Publishing [Busy Wheels Series]*.
- 🚲 **Berne, Emma**, *Totally Wacky Facts about Exploring Space*. Capstone Press [Mind Benders Series].
- 🚲 **Bigname, Giovanni**, *The Mystery of the Seven Spheres: How Homo Sapiens Will Conquer Space*. Springer.
- 🚲 **Bisney, John, and J.L. Pickering**, *Moonshots and Snapshots of Project Apollo: A Rare Photographic History*. University of New Mexico Press.
- 🚲 **Bisney, John, and J.L. Pickering**, *Spaceshots and Snapshots of Projects Mercury and Gemini: A Rare Photographic History*. University of New Mexico Press.
- 🚲 **Bittencourt Neto, Olavo de Oliveira**, *Defining the Limits of Outer Space for Regulatory Purposes*. Springer [SpringerBriefs in Space Development].
- 🚲 **Bizony, Piers**, *The Making of Stanley Kubrick’s 2001: A Space Odyssey*. Taschen.
- 🚲 **Blair-Smith, Hugh**, *Left Brains for the Right Stuff: Computers, Space, and History*. SDP Publishing.
- 🚲 **Blotner, Dieter, and Michele Salanova**, *The NeuroMuscular System: From Earth to Space Life Science*. Springer [SpringerBriefs on Space Life Sciences].
- 🚲 **Braun, Eric**, *Fatal Faults: The Story of the Challenger Explosion*. Capstone Press [Tangled History Series].

- 🚲 **Bredeson, Carmen**, *Astronauts Explore the Galaxy*. Enslow Publishing [Launch into Space! Series].
- 🚲 **Bredeson, Carmen**, *Exploring the Moon*. Enslow Publishing [Launch into Space! Series].
- 🚲 **Bredeson, Carmen**, *Exploring the Solar System*. Enslow Publishing [Launch into Space! Series].
- 🚲 **Buckley, James**, *Home Address: ISS (International Space Station)*. Penguin.
- 🚒 **Burgess, Colin**, *Aurora 7: The Mercury Space Flight of M. Scott Carpenter*. Springer Praxis.
- 🚒 **Burgess, Colin**, *Friendship 7: The Epic Orbital Flight of John H. Glenn Jr.* Springer Praxis.
- 🚒 **Burgess, Colin, and Bert Vis**, *Interkosmos: The Eastern Bloc's Early Space Program*. Springer Praxis.
- 🚒 **Byrne, Charles**, *The Moon's Largest Craters and Basins: Images and Topographic Maps from LRO, GRAIL, and Kaguya*. Springer.

C–D–E

- 🚒 **Chambers, Joseph, and Mark Chambers**, *Emblems of Exploration: Logos of the NACA and NASA*. NASA Monographs in Aerospace History No. 56. NASA SP-2015-4556. [Titles in the monograph series are not typically included in this list, but this is more substantial than most.]
- 🚒 **Chen, James, and Adam Chen**, *A Guide to Hubble Space Telescope Objects: Their Selection, Location, and Significance*. Springer [The Patrick Moore Practical Astronomy Series].
- 🚲 **Clay, Kathryn**, *Robots in Space*. Capstone Press.
- 🚒 **Clemens, Evelyn (Ed.)**, *The International Space Station: Management and Utilization Issues for NASA*. Nova Science Publishers.
- 🚒 **Conway, Erik**, *Exploration and Engineering: The Jet Propulsion Laboratory and the Quest for Mars*. Johns Hopkins University Press [New Series in NASA History].
- 🚲 **Dakers, Diane**, *Chris Hadfield: Inspiring New Generations to Explore Space*. Crabtree

Publishing [Crabtree Groundbreaking Biographies Series].

- 🚒 **David, James**, *Spies and Shuttles: NASA's Secret Relationships with the DoD and CIA*. University Press of Florida.
- 🚒 **Dean, Margaret**, *Leaving Orbit: Notes from the Last Days of American Spaceflight*. Graywolf Press.
- 🚒 **Dick, Steven**, *The Impact of Discovering Life Beyond Earth*. Cambridge University Press.
- 🚲 **Donaldson, Chelsea, Chris Hadfield**. Capstone Press.
- 🚒 **Dyson, Marianne**, *A Passion for Space: Adventures of a Pioneering Female NASA Flight Controller*. Springer Praxis.
- 🚒 **Edwards, Owen, and Zoltan Levay**, *Expanding Universe: Photographs from the Hubble Space Telescope*. Taschen.
- 🚒 **Elphic, Richard, and Christopher Russell (Eds.)**, *The Lunar Atmosphere and Dust Environment Explorer Mission (LADEE)*. Springer.
- 🚒 **Erickson, Andrew (Ed.)**, *History of Rocketry and Astronautics, Proceedings of the 47th History Symposium of the International Academy of Astronautics (IAA), Beijing, China, 2013*. Univelt [Volume 45 of the AAS History Series].

F–G–H–I–J

- 🚒 **Fernández-Prieto, Diego, and Roberto Sabia (Eds.)**, *Remote Sensing Advances for Earth System Science: The ESA Changing Earth Science Network—Projects 2011–2013*. Springer [SpringerBriefs in Earth System Sciences].
- 🚒 **Frayling, Christopher**, *The 2001 File: Harry Lange and the Design of the Landmark Science Fiction Film*. Reel Art Press.
- 🚒 **Friedman, Louis**, *Human Spaceflight: From Mars to the Stars*. University of Arizona Press [2nd edition].
- 🚒 **Galliot, Jai**, *Commercial Space Exploration: Ethics, Policy and Governance*. Ashgate Publishing.

📖 **Garan, Ron**, *The Orbital Perspective: Lessons in Seeing the Big Picture from a Journey of 71 Million Miles*. Berrett-Koehler.

📖 **Gerovitch, Slava**, *Soviet Space Mythologies: Public Images, Private Memories, and the Making of a Cultural Identity*. University of Pittsburgh Press.

📖 **Gibbs, Darrel (Ed.)**, *Human Space Exploration: Early Assessment of NASA's Next Steps*. Nova Science Publishers [Space Science, Exploration and Policies Series].

📖 **Gibson, Dirk**, *Terrestrial and Extraterrestrial Space Dangers: Outer Space Perils, Rocket Risks and the Health Consequences of the Space Environment*. Bentham Science Publishers, Ltd. [located in the UAE]. This is an ebook available as print on demand from the publisher.

🚲 **Gifford, Clive**, *Astronomy, Astronauts, and Space Exploration*. Crabtree Publishing [Watch This Space! Series].

🚲 **Gilliland, Ben**, *Rocket Science for the Rest of Us*. DK Children.

📖 **Gruntman, Mike**, *Intercept 1961: The Birth of Soviet Missile Defense*. AIAA.

📖 **Heer, Martina, Jens Titze, Scott Smith, and Natalie Baecker**, *Nutrition Physiology and Metabolism in Spaceflight and Analog Studies*. Springer [SpringerBriefs in Space Life Sciences].

📖 **Hoerber, Thomas, and Paul Stephenson**, *European Space Policy: European Integration and the Final Frontier*. Routledge.

📖 **Houston, Rick, and Milt Heflin**, *Go, Flight! The Unsung Heroes of Mission Control, 1965–1992*. University of Nebraska Press [Outward Odyssey: A People's History of Spaceflight Series].

🚲 **Hubbard, Ben**, *Neil Armstrong and Traveling to the Moon*. Heinemann [Adventures in Space Series].

🚲 **Hubbard, Ben**, *Yuri Gagarin and the Race to Space*. Heinemann [Adventures in Space Series].

📖 **Impey, Chris**, *Beyond: Our Future in Space*. W.W. Norton & Co.

📖 **Johnson, Michael**, *Mission Control: Inventing the Groundwork of Spaceflight*. University Press of Florida.

K–L–M

📖 **Kanas, Nick**, *Humans in Space: The Psychological Hurdles*. Springer Praxis.

🚲 **Kelley, H.C.**, *Astronauts!* Mason Crest Publishers [Scientists in Action Series].

🚲 **Koll, Hilary, and Steve Mills**, *Launch a Rocket into Space*. QEB Publishing [You Do the Math Series].

🚲 **Krumm, Brian**, *Shuttle in the Sky: The Columbia Disaster*. Capstone Press [Exploring Space and Beyond Series].

📖 **Kubal, Quinton**, *Spaceplanes: The Future of Space Travel*. CreateSpace Independent Publishing Platform.

📖 **Laney, Monique**, *German Rocketeers in the Heart of Dixie: Making Sense of the Nazi Past during the Civil Rights Era*. Yale University Press.

🚲 **Langley, Andrew**, *Chris Hadfield and the International Space Station*. Heinemann [Adventures in Space Series].

🚲 **Langley, Andrew**, *Sally Ride and the Shuttle Missions*. Heinemann [Adventures in Space Series].

🚲 **Law, Felicia**, *Trouble in Space: Can Science Save Your Life?* Crabtree [Science to the Rescue Series].

📖 **Lawrie, Alan**, *Sacramento's Moon Rockets*. Arcadia Publishing [Images of Modern America Series].

📖 **Legru, Mélanie, Piero Messina, Kai-Uwe Schrogl, and Nathalie Tinjod**, *European Space Agency: Celebrating Half a Century in Space*. Beauchesne.

📖 **Lillesand, Thomas, Ralph Kiefer, and Jonathan Chipman**, *Remote Sensing and Image Interpretation*. Wiley [7th edition].

📖 **Logsdon, John**, *After Apollo? Richard Nixon and the American Space Program*. Palgrave Macmillan [Palgrave Studies in the History of Science and Technology Series].

- 📖 **Lowe, Stuart, and Chris North**, *Cosmos: The Infographic Book of Space*. Aurum Press.
- 📖 **Mackowski, Michael**, *Adventures in Space Advocacy: A Personal Story of Space Activism*. CreateSpace Independent Publishing Platform.
- 📖 **Madry, Scott**, *Global Navigation Satellite Systems and Their Applications*. Springer [SpringerBriefs in Space Development Series].
- 🚲 **McAneney, Caitlin, and Caitie McAneney**, *Women in Space*. PowerKids Press [Women Groundbreakers Series].
- 📖 **McConnell, Brian, and Alexander Tolley**, *A Design for a Reusable Water-Based Spacecraft Known as the Spacecoach*. Springer [SpringerBriefs in Space Development].
- 📖 **McDonald, Bob**, *Canadian Spacewalkers: Hadfield, MacLean and Williams Remember the Ultimate High Adventure*. Douglas & McIntyre.
- 📖 **Meltzer, Michael**, *The Cassini-Huygens Visit to Saturn: An Historic Mission to the Ringed Planet*. Springer Praxis.
- 📖 **Meuser, Philipp**, *Galina Balashova: Architect of the Soviet Space Programme*. DOM Publishers.
- 📖 **Michel, Patrick, Francesca DeMeo, and William Bottke (Eds.)**, *Asteroids IV*. University of Arizona Press [2nd edition].
- 🚲 **Micklos Jr., John**, *The Challenger Explosion: Core Events of a Space Tragedy*. Capstone Press.
- 📖 **Millard, Doug (Ed.)**, *Cosmonauts: Birth of the Space Age*. Scala Arts Publishers Inc.
- 📖 **Milligan, Tony**, *Nobody Owns the Moon: The Ethics of Space Exploitation*. McFarland & Company.
- 📖 **Mindell, David**, *Our Robots, Ourselves: Robotics and the Myths of Autonomy*. Viking.
- 📖 **Murdin, Paul**, *Planetary Vistas: The Landscape of Other Worlds*. Springer.
- 📖 **Musha, Takaaki**, *New Frontiers in Space Propulsion*. Nova Science Publishers.
- 📖 **Newcomb, John**, *A Bunch of Plumbers*. High Tide Books.
- 🚲 **Oleszewski, Wes**, *Project Apollo—Part One*. Klyde Morris LLC [Volume 3 of Growing Up with Spaceflight Series] [Klyde Morris is the name of a cartoon character created by Oleszewski].
- 🚲 **Oleszewski, Wes**, *Project Apollo—Part Two*. Klyde Morris LLC [Volume 4 of Growing Up with Spaceflight Series].
- 🚲 **Oleszewski, Wes**, *Project Skylab/ASTP*. Klyde Morris LLC [Volume 5 of Growing Up with Spaceflight Series].
- 🚲 **Oleszewski, Wes**, *The Space Shuttle*. Klyde Morris LLC [Volume 6 of Growing Up with Spaceflight Series].
- 🚲 **O’Shaughnessy, Tam**, *Sally Ride: A Photobiography of America’s Pioneering Woman in Space*. Roaring Brook Press.
- 🚲 **Parker, Steve**, *A Journey through Space*. QEB Publishing.
- 🚲 **Parker, Steve**, *Race to the Moon*. Smart Apple Media (The Story of Space Series).
- 📖 **Paul, Richard, and Steven Moss**, *We Could Not Fail: The First African Americans in the Space Program*. University of Texas Press.
- 📖 **Pelton, Joseph**, *New Solutions for the Space Debris Problem*. Springer [SpringerBriefs in Space Development].
- 📖 **Peters, James**, *Return to Flight: Inside NASA’s Space Shuttle Missions in the Wake of the Columbia Disaster*. CreateSpace Independent Publishing Platform.
- 🚲 **Peterson, Megan**, *The First Space Missions*. Capstone Press.
- 📖 **Purcell, Eileen (Ed.)**, *NASA’s Management of Commercial Crew and Cargo Operations: Assessments*. Nova Science Publishers.

R–S–T

- 📖 **Nataraj, Nirmala**, *Earth and Space: Photographs from the Archives of NASA*. Chronicle Books.
- 📖 **Rector, Travis, Kimberly Arcand, and Megan Watzke**, *Coloring the Universe: An Insider’s Look at Making Spectacular Images of Space*. University of Alaska Press.
- 📖 **Reinke, Niklas (Ed.)**, *History of Rocketry and Astronautics: Proceedings of the 4th History*

Symposium of the International Astronautical Congress (IAC), 2012, Naples, Italy. Univelt.

🚲 **Rey, H.A.,** *Curious George Discovers Space.* Houghton Mifflin Harcourt Books for Young Readers.

🚫 **Richter, Henry,** *America's Leap into Space: My Time at JPL and the First Explorer Satellite.* FriesenPress [This is a printer for self-published titles].

🚫 **Riley, Christopher,** *NASA Voyager 1 & 2—1977 Onwards.* Haynes Publishing UK [Owner's Workshop Manual].

🚫 **Rogers, Larry (Ed.),** *China's Space Programs: Progress and Military Implications.* Nova Science Publishers.

🚫 **Rossier, Grégoire, and Anthony Marquié,** *Moonwatch Only: The Ultimate Omega Speedmaster Guide.* Watchprint.com.

🚫 **Sacknoff, Scott (Ed.),** *John Glenn Jr.—Debriefed: First Thoughts and Pilot's Debriefing of His Historic Friendship 7 Flight.* Spacebusiness.com [the publishing arm of *Quest—The History of Spaceflight Quarterly*].

🚫 **Sacknoff, Scott (Ed.),** *Valentina Tereshkova, the First Lady of Space: In Her Own Words.* Spacebusiness.com [the publishing arm of *Quest—The History of Spaceflight Quarterly*].

🚫 **Sambaluk, Nicholas,** *The Other Space Race: Eisenhower and the Quest for Aerospace Security.* Naval Institute Press.

🚫 **Seddon, Rhea,** *Go for Orbit: One of America's First Women Astronauts Finds Her Space.* Your Space Press [founded by Dr. Seddon]. Book can only be obtained directly from the author.

🚫 **Seedhouse, Erik,** *Mars via the Moon: The Next Giant Leap.* Springer Praxis.

🚫 **Seedhouse, Erik,** *Microgravity and Vision Impairments in Astronauts.* Springer [SpringerBriefs in Space Development].

🚫 **Seedhouse, Erik,** *SpaceX's Dragon: America's Next Generation Spacecraft.* Springer.

🚫 **Seedhouse, Erik,** *Survival and Sacrifice in Mars Exploration: What We Know from Polar Expeditions.* Springer Praxis.

🚫 **Seedhouse, Erik,** *Virgin Galactic: The First Ten Years.* Springer Praxis.

🚫 **Sforza, Pasquale,** *Manned Spacecraft Design Principles.* Butterworth-Heinemann.

🚫 **Sgobba, Tommaso, and Isabelle Rongier (Eds.),** *Space Safety Is No Accident—The 7th IAASS Conference.* Springer.

🚫 **Shayler, David, with David Harland,** *Enhancing Hubble's Vision: Service Missions That Expanded Our View of the Universe.* Springer Praxis.

🚫 **Shayler, David, with David Harland,** *The Hubble Space Telescope: From Concept to Success.* Springer Praxis.

🚫 **Shepard, Michael,** *Asteroids: Relics of Ancient Time.* Cambridge University Press.

🚫 **Shevchenko, Vladislav, Zhanna Rodionova, and Michael Gregory,** *Lunar and Planetary Cartography in Russia.* Springer [Astrophysics and Space Science Library].

🚲 **Space! The Universe as You've Never Seen It Before.** DK Children.

🚫 **Spiller, James,** *Frontiers for the American Century: Outer Space, Antarctica and Cold War Nationalism.* Palgrave Macmillan.

🚲 **Spilsbury, Louise, and Richard Spilsbury,** *Fly to Mars! Forces in Space.* Heinemann [Feel the Force Series].

🚲 **Spilsbury, Louise, and Richard Spilsbury,** *Robots in Space.* Gareth Stevens Publishing [Amazing Robots Series].

🚫 **Steven-Boniecki, Dwight (Ed.),** *Skylab 1 & 2: The NASA Mission Reports.* Collector's Guide Publishing.










🚫 **Strom, Stephen, and Bradford Smith,** *Earth and Mars: A Reflection.* University of Arizona Press [2nd edition].

🚫 **Thompson, Carl,** *Space-Based Solar Power: Feasible Idea or Folly?* Nova Science Publishers.

U–V–W–X–Y–Z

🚫 **Vance, Ashlee,** *Elon Musk: Tesla, SpaceX, and the Quest for a Fantastic Future.* Ecco [Imprint of HarperCollins].

🚫 **Vertesi, Janet,** *Seeing Like a Rover: How Robots, Teams, and Images Craft Knowledge of Mars.* University of Chicago Press.

-  **Ward, Jonathan**, *Countdown to a Moon Launch: Preparing Apollo for Its Historic Journey*. Springer.
-  **Ward, Jonathan**, *Rocket Ranch: The Nuts and Bolts of the Apollo Moon Program at the Kennedy Space Center*. Springer.
-  **West, David**, *Ten of the Best Adventures in Space*. Crabtree [Stories of Exploration and Adventure Series].
-  **Willems, Brian**, *Shooting the Moon*. Zero Books.
-  **Winter, Frank, and Frederick Ordway III**, *Pioneering American Rocketry: The Reaction Motors, Inc. (RMI) Story, 1941–1972*. Univelt [Volume 44 of the AAS History Series].
-  **Wittrock, Jeni**, *Laika the Space Dog: First Hero in Outer Space*. Capstone Press.
-  **Woods, David**, *NASA Gemini 1965–1966: An Insight into NASA's Gemini Spacecraft*. Haynes Publishing UK [Owner's Workshop Manual].
-  **Young, Anthony**, *The Twenty-First Century Commercial Space Imperative*. Springer. [SpringerBriefs in Space Development].
-  **Ziarnick, Brent**, *Developing National Power in Space: A Theoretical Model*. McFarland & Company.