

Astronautics Publications 2012

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. This list was prepared in cooperation with Chris Gamble. 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.” – MLC

Note: Entries in blue appear to target children and/or young adults.

Note: Information in red indicates that this is not the first appearance for a title.

- Al-Rodhan, Nayef. *Meta-Geopolitics of Outer Space: An Analysis of Space Power, Security and Governance*. Palgrave Macmillan.
- Baker, David. *International Space Station: 1998–2011 (all stages) Owners’ Workshop Manual*. Haynes Publishing.
- Beattie, Donald. *No Stone Unturned: A Life without Bounds*. Apogee Prime.
- Becker, Hans Jürgen. *NASA: Space Flight Research and Pioneering Developments*. Schiffer Publishing; originally published in German.
- Benoit, Peter. *The Space Race*. Children’s Press.
- Benson, Michael. *Planetfall: New Solar System Visions*. Abrams.
- Berkowitz, Jacob. *The Stardust Revolution: The New Story of Our Origin in the Stars*. Prometheus Books.
- Bitzer, John, and Ted Woerner (translators). *A-4/V-2 Rocket Instruction Manual*. Periscope Film LLC; this is the English-language reprint of the German field operator’s manual for the V-2 rocket that was originally published by Redstone Arsenal in 1957.
- Bond, Peter. *Exploring the Solar System*. Wiley-Blackwell.
- Bonhomme, Brian. *Russian Exploration, from Siberia to Space: A History*. McFarland.
- Bormann, Natalie, and Michael Sheehan (editors). *Securing Outer Space: International Relations Theory and the Politics of Space*. Routledge.
- Chertok, Boris. *Rockets and People, Volume IV: The Moon Race*. NASA SP-2011-4110.
- Chouker, Alexander. *Stress Challenges and Immunity in Space: From Mechanisms to Monitoring and Preventive Strategies*. Springer.
- Clancey, William. *Working on Mars: Voyages of Scientific Discovery with the Mars Exploration Rovers*. The MIT Press.
- Clements, Nathaniel, and Edison Hahn (editors). *Commercial Spaceflight: Assessments, Challenges and Trends*. Nova Science Publishers.
- Dator, James. *Social Foundations of Human Space Exploration*. Springer.
- Dethloff, Henry. *Suddenly, Tomorrow Came: The NASA History of the Johnson Space Center*. Dover Publications; commercial reprint of NASA SP-4307 (1993) that is available in pdf format at no cost on the NASA website.
- Dickinson, Terence. *Hubble’s Universe: Greatest Discoveries and Latest Images*. Firefly Books.
DK Publishing. *3-D Space*. DK Children Publishing.
- Douglas Aircraft. *Saturn IB / Saturn V Rocket Payload Planner’s Guide*. Periscope Film LLC; commercial reprint of a Douglas document.

- † Evans, Ben. *Tragedy and Triumph in Orbit: The Eighties and Early Nineties*. Springer-Praxis; this is the fourth book in the series.
- † Flournoy, Don. *Solar Power Satellites*. Springer.
- † Freeman, Marsha (editor). *History of Rocketry and Astronautics: Proceedings of the Fortieth History Symposium of the International Academy of Astronautics (IAA), Valencia, Spain, 2006*. Univelt; American Astronautical Society History Series, Volume 37.
- † Freeman, Steve, and Kimberly Butler (editors). *Commercial Space Industry: Manufacturing, Suborbitals and Transportation*. Nova Science Publishers.
- † Geppert, Alexander (editor). *Imagining Outer Space: European Astroculture in the Twentieth Century*. Palgrave Macmillan.
- † Godwin, Robert. *New Horizons*. Apogee Prime.
- † [Goldsmith, Mike. *The Kingfisher Space Encyclopedia*. Kingfisher.](#)
- † [Goldsmith, Mike. *Legendary Journeys: Space*. Kingfisher.](#)
- † Gooden, Brett. *Spacesuit: A History through Fact and Fiction*. Tattered Flag.
- † Harding, Robert. *Space Policy in Developing Countries: The Search for Security and Development on the Final Frontier*. Routledge.
- † Hernández, José. *Reaching for the Stars: The Inspiring Story of a Migrant Farmworker Turned Astronaut*. Center Street.
- † Hersch, Matthew. *Inventing the American Astronaut*. Palgrave Macmillan.
- † Hubbard, Scott. *Exploring Mars: Chronicles from a Decade of Discovery*. University of Arizona Press.
- † [Hughes, Catherine. *National Geographic Little Kids First Big Book of Space*. National Geographic Children's Books.](#)
- † Jenkins, Dennis. *Dressing for Altitude: U.S. Aviation Pressure Suits, Wiley Post to Space Shuttle*. NASA SP-2011-595, available in pdf format at no cost through the NASA website.
- † Jenks, Andrew. *The Cosmonaut Who Couldn't Stop Smiling: The Life and Legend of Yuri Gagarin*. Northern Illinois University Press.
- † Johnson, Adam. *2001: The Lost Science – The Frederick I. Ordway III Collection*. Apogee Prime.
- † Kalic, Sean. *US Presidents and the Militarization of Space, 1946–1967*. Texas A&M University Press.
- † [Kersjes, Mike. *A Smile as Big as the Moon: A Special Education Teacher, His Class, and Their Inspiring Journey Through U.S. Space Camp*. St. Martin's Griffin. Softcover reprint; 1st edition in 2002.](#)
- † Kessler, Elizabeth. *Picturing the Cosmos: Hubble Space Telescope Images and the Astronomical Sublime*. University of Minnesota Press.
- † Khorram, Siamak, Frank Koch, Cynthia van der Wiele, and Stacy Nelson. *Remote Sensing*. Springer.
- † Kleiman, Matthew, Jennifer Lamie, and Maria-Vittoria “Giugi” Carminati. *The Laws of Spaceflight: A Guidebook for New Space Lawyers*. American Bar Association.
- † [Kulavis, Allyson. *Space-tacular! Science with Stuff*. Downtown Bookworks.](#)
- † Lanin, Anatoly. *Nuclear Rocket Engine Reactor*. Springer.
- † Lee, Ricky. *Law and Regulation of Commercial Mining of Minerals in Outer Space*. Springer.
- † Lele, Ajey. *Asian Space Race: Rhetoric or Reality?* Springer.
- † LIFE (editors). *Neil Armstrong 1930–2012: “That’s one small step for a man, one giant leap for mankind”*. LIFE Books; this book-length magazine (~100 pages) is identified as Vol. 12, No. 21.

- † Loh, W.H.T. *Jet, Rocket, Nuclear, Ion and Electric Propulsion: Theory and Design*. Springer; **softcover reprint** of the 1968 edition.
- † Long, K.F. *Deep Space Propulsion: A Roadmap to Interstellar Flight*. Springer.
- † Manoranjan Rao, P.V., and P. Radhakrishnan. *A Brief History of Rocketry in ISRO*. Universities Press (India) Private Limited.
- † Mayo, Margaret. *Zoom, Rocket, Zoom! Walker Childrens*.
- † McAleer, Neil. *Visionary: The Odyssey of Sir Arthur C. Clarke*. The Clarke Project.
- † McHale, Ryan (editor). *Landsat and Its Valuable Role in Satellite Imagery of Earth*. Nova Science Publishers.
- † Merlin, Peter, Gregg Bendrick, and Dwight Holland. *Breaking the Mishap Chain: Human Factors Lessons Learned from Aerospace Accidents and Incidents in Research, Flight Test, and Development*. NASA SP-2011-594.
- † Miller, Cynthia, and A. Bowdoin Van Riper (editors). *1950s "Rocketman" TV Series and Their Fans: Cadets, Rangers, and Junior Space Men*. Palgrave Macmillan.
- † Moltz, James Clay. *Asia's Space Race: National Motivations, Regional Rivalries, and International Risks*. Columbia University Press.
- † NASA. *Apollo Lunar Roving Vehicle Operations Handbook*. Periscope Film LLC; **commercial reprint** of a Boeing document.
- † NASA. *Apollo Operations Handbook Extra Vehicular Mobility Unit*. Periscope Film LLC; **commercial reprint** of a NASA document.
- † NASA. *Skylab News Reference*. Periscope Film LLC; **commercial reprint** of a NASA document.
- † Oliver, Kendrick. *To Touch the Face of God: The Sacred, the Profane, and the American Space Program, 1957–1975*. The Johns Hopkins University Press.
- † Parks, Lisa, and James Schwoch (editors). *Down to Earth: Satellite Technologies, Industries, and Cultures*. Rutgers University Press.
- † Pelton, Joseph. *Satellite Communications*. Springer.
- † Phelan, Dominic (editor). *Cold War Space Sleuths: The Untold Secrets of the Soviet Space Program*. Springer-Praxis.
- † Priddy, Roger. *Smart Kids Space*. Priddy Books.
- † Pyle, Rod. *Destination Mars: New Explorations of the Red Planet*. Prometheus Books.
- † Rapp, Donald. *Use of Extraterrestrial Resources for Human Space Missions to Moon or Mars*. Springer-Praxis.
- † Richelson, Jeffrey. *America's Space Sentinels: The History of the DSP and SBIRS Satellite Systems*. University Press of Kansas; **second expanded edition**.
- † Riley, Christopher, David Woods, and Philip Dolling. *Lunar Rover Manual: 1971–1972 (Apollo 15–17; LRV1–3, and 1G Trainer) Owners' Workshop Manual*. Haynes Publishing.
- † Rocketdyne Division Rockwell International. *NASA Space Shuttle Main Engine Design Features*. Periscope Film LLC; **commercial reprint** of a document prepared by the Rocketdyne Division of Rockwell International.
- † Rusch, Elizabeth. *The Mighty Mars Rovers: The Incredible Adventures of Spirit and Opportunity*. Houghton Mifflin Books for Children.
- † Sadeh, Eligar (editor). *Space Strategy in the 21st Century: Theory and Policy*. Routledge.
- † Schmude Jr., Richard. *Artificial Satellites and How to Observe Them*. Springer.
- † Seedhouse, Erik. *Astronauts for Hire: The Emergence of a Commercial Astronaut Corps*. Springer-Praxis.

- Seedhouse, Erik. *Interplanetary Outpost: The Human and Technological Challenges of Exploring the Outer Planets*. Springer-Praxis.
- Seedhouse, Erik. *Pulling G: Human Responses to High and Low Gravity*. Springer-Praxis.
- Slotkin, Arthur. *Doing the Impossible: George E. Mueller and the Management of NASA's Human Spaceflight Program*. Springer-Praxis.
- Smith, Cameron, and Evan Davies. *Emigrating beyond Earth: Human Adaptation and Space Colonization*. Springer-Praxis.
- Spagnulo, Marcello, Rick Fleeter, Mauro Balduccini, and Federico Nasini. *Space Program Management: Methods and Tools*. Springer.
- Springer, Anthony (editor). *History of Rocketry and Astronautics, Proceedings of the Forty-first History Symposium of the International Academy of Astronautics (IAA), Hyderabad, India, 2007*. Univelt; American Astronautical Society History Series, Volume 38.
- Springer, Emily. *History of Rocketry and Astronautics, Proceedings of the Thirty-ninth History Symposium of the International Academy of Astronautics, Fukuoka, Japan, 2005*. Univelt, American Astronautical Society History Series, Volume 36.
- Stooke, Philip. *The International Atlas of Mars Exploration: The First Five Decades: Volume 1, 1953 to 2003*. Cambridge University Press.
- Swanson, Glen. "Before This Decade Is Out...": *Personal Reflections on the Apollo Program*. Mineola, MN: Dover Publications; **commercial reprint** of NASA SP-4223 (1999), which is available as a pdf at no cost from the NASA website.
- Taylor, Travis. *A New American Space Plan: by Travis Taylor, Ringleader of the Rocket City Rednecks, the National Hit Television Series*. Baen.
- Thomas, Andrew, with Paul Thomarios. *The Final Journey of the Saturn V*. University of Akron Press.
- Trefil, James. *Space Atlas: Mapping the Universe and Beyond*. National Geographic.
- Tyson, Neil deGrasse. *Space Chronicles: Facing the Ultimate Frontier*. W. W. Norton.
- Ulivi, Paolo, and David Harland. *Robotic Exploration of the Solar System, Part 3: Wows and Woes, 1997–2003*. Springer-Praxis.
- United Space Alliance (compiler). *NASA Space Shuttle Crew Escape Systems Handbook*. Periscope Film LLC; **commercial reprint** of a USA document.
- van Pelt, Michel. *Rocketing into the Future: The History and Technology of Rocket Planes*. Springer-Praxis.
- Vedda, James. *Becoming Spacefarers: Rescuing America's Space Program*. Xlibris Corporation.
- Venet, Christophe, and Blandina Baranes (editors). *European Identity through Space: Space Activities and Programmes as a Tool to Reinvigorate the European Identity*. Springer.
- Wallack, William, and George Gonzalez (editors). *Celebrating 30 Years of the Space Shuttle Program*. NASA NP-2012-01-835-HQ, available in pdf format at no cost through the NASA website.
- Walter, Ulrich. *Astronautics: The Physics of Space Flight*. Wiley-VCH; this is a textbook, **improved edition**.
- Westfahl, Gary. *The Spacesuit Film: A History, 1918–1969*. McFarland.
- Westwick, Peter. *Blue Sky Metropolis: The Aerospace Century in Southern California*. Huntington Library and University of California Press.
- Whitman Publishing. *The History of the Space Shuttle*. Whitman Publishing.
- Winters, Dan, Al Reinert, and Mark Kelly. *Last Launch: Discovery, Endeavour, Atlantis*. University of Texas Press.

- † Woodward, James. *Making Starships and Stargates: The Science of Interstellar Transport and Absurdly Benign Wormholes*. Springer-Praxis.
- † Wotring, Virginia. *Space Pharmacology*. Springer.
- † Wright, Rebecca, Sandra Johnson, and Steven Dick (editors). *NASA at 50: Interviews with NASA's Senior Leadership*. NASA SP-2012-4114; available in pdf format at no cost from NASA website.
- † Yeomans, Donald. *Near-Earth Objects: Finding Them before They Find Us*. Princeton University Press.
- † Young, John, with James Hansen. *Forever Young: A Life of Adventure in Air and Space*. University Press of Florida.
- † Young, S. Mark, Steve Duin, and Mike Richardson. *Blast Off!: Rockets, Robots, Ray Guns, and Rarities from the Golden Age of Space Toys*. Dark Horse; reprint edition.