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America in space : NASA's first fifty years

Edited by Steven J. Dick ... [et al.]; foreword by Neil Armstrong
New York, NY :
Abrams, 2007.

REF 629.40 AME

Over fifty years, NASA has compiled one of the most extraordinary archives of significant photography in history. It has faithfully documented every step of its remarkable mission. Written and edited by a team of experienced staffers, and illustrated with many rare photographs, *America in Space*

offers an unparalleled vision of half a century of endeavor and discovery.



American space exploration and development

Edited by Christopher Mari.
New York, NY : H.W. Wilson Co., 2011.
629.4 USN

The articles collected in this volume are intended

to give debaters and general readers alike an overview of some of the critical issues facing U.S. space exploration. Provides a history of NASA from the Cold War to its current moment of crisis; debates the pros and cons of President Obama's new plan; profiles several of the private companies building launch vehicles for NASA; outlines

the progress other countries have made in launching missions to the moon, and considers whether reaching the fourth planet from the sun should be the next major goal of the U.S. space program.

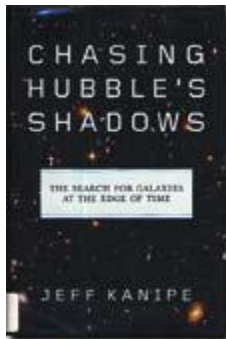
Apollo 11, Men On The Moon [videorecording]

Produced by Mark Gray
Beverly Hills, CA : 20th Century Fox Home Entertainment, 2003.



DVD 629.45 APO

This 3-disc set chronicles America's "one giant leap for mankind" from launch to landing with comprehensive footage from the film and videotape records of Apollo 11.



Chasing Hubble's Shadows : the Search for Galaxies at the Edge of Time

Jeff Kanipe
New York, NY : Hill and Wang, 2006.

523.112 KAN

This is an account of the continuing efforts of astronomers to probe the outermost limits of the observable universe. The book derives its title from something the great American astronomer Edwin Hubble once wrote: "Eventually, we reach the dim boundary-the utmost limits of our telescopes. There, we measure shadows, and we search among ghostly errors of measurement for landmarks that are scarcely more substantial".

Columbia, final voyage : the last flight of NASA's first space shuttle



Philip Chien
New York, NY : Copernicus Books, 2006.

629.4 CHI

Describes not just the days and hours leading up to the launch, but the years of training by the crew, how seven people from different backgrounds came together as a team, the seeming endless delays that plagued the mission, the technological and safety challenges facing NASA, and the ingenuity of scientists who designed Columbia's experiments.

Defining NASA : the historical debate over the agency's mission



W.D. Kay
Albany, NY : State University of New York Press, 2005.

354.79 KAY

This book looks at the turbulent history of the space agency and the political controversies behind its funding. The author examines the agency's activities and behavior by taking into account not only the political climate, but also the changes in how public officials conceptualize space policy.



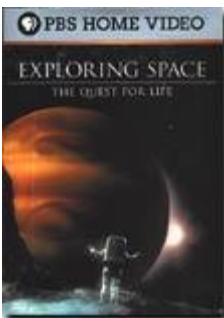
**Digital Apollo :
human and
machine in
spaceflight**

David A. Mindell
Cambridge, MA : The
MIT Press, 2008.

629.474 MIN

Examines the design and execution of each of the six Apollo moon landings, drawing on transcripts and data telemetry from the flights, astronaut interviews, and NASA's extensive archives.

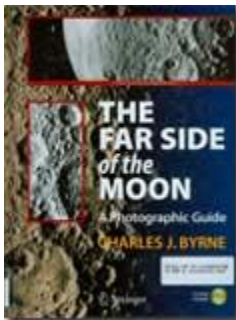
**Exploring Space [videorecording]:
the Quest for Life**



*Produced by KCTS
Television and NHK
Japan*
Alexandria, VA : PBS
Home Video, 2006.

DVD 576.839 EXP

Features interviews with scientists who share their opinions about the possibility of life beyond Earth and examines the latest developments in astrobiology. From a city-sized meteor to the surface of Mars, spectacular computer-animated imagery creates a viewing experience that brings audiences as close to space as possible without leaving home.



**The far side of
the moon : a
photographic
guide**

Charles J. Byrne
New York, NY :
Springer, 2008.

523.3 BYR

The main purpose of this book is to provide comprehensive images of the far side of the Moon produced by the Lunar Orbiter,

Clementine, and Apollo missions. Notes describe interesting aspects of each image, explaining the geologic nature and relative ages of the features, with special attention to the nature of their interactions. The compact disc enclosed includes all the photographs in JPEG format. They can be viewed in monitors, printed, or used for illustrations in talks and articles.



**For All Mankind [Blu-
ray videorecording]**

An Apollo Associates/FAM Productions Inc. production ; produced and directed by Al Reinert ; producer, Betsy Broyles Breier ; co-producer, David Leitner.

DVD 629.454 FOR

Presents an impressionistic look at NASA's first manned flights to the moon as filmed and narrated by the astronauts who made the voyages.

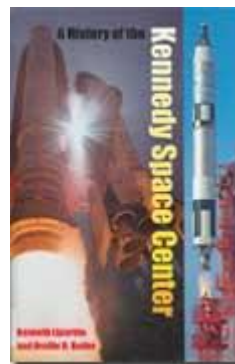


**The 50 Most
Extreme Places in
Our Solar System**

*David Baker and Todd
Ratcliff.*
Cambridge, MA ;
London : Belknap,
2010.

REF 559.9 BAK

Explains the solar system in terms of storms, natural disasters, volcanoes, hail, tornadoes, and the possibility of life on other planets.



**A history of the
Kennedy Space
Center**

*Kenneth Lipartito and
Orville R. Butler*
Gainesville, FL :
University Press of
Florida, 2007.

387.8 LIP

Comprehensive

history of the Kennedy Space Center, NASA's famous launch facility at Cape Canaveral, Florida. Covers the Mercury and Gemini missions, the Apollo lunar program, the Space Shuttle, scientific missions and robotic spacecraft, and the International Space Station, as well as the tragic accidents of Challenger and Columbia.

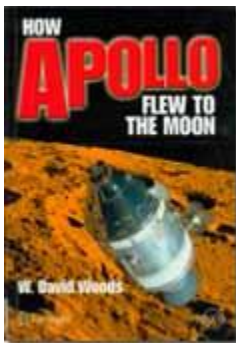


Homesteading space : the Skylab story

David Hitt, Owen Garriott, and Joe Kerwin
Lincoln, NE : University of Nebraska Press, 2008.

629.454 HIT

Riveting, insightful account of the Skylab missions flown by the United States in 1973 and 1974. This book is replete with the personal recollections and experiences of the Skylab crew and those who worked with them in training, during the mission, and in bringing them safely home. Absorbing, sometimes humorous, often inspiring, this is an account of the determined, hardworking individuals who shepherded the program through a near disastrous launch, a heroic rescue, and an exhausting study of Comet Kohoutek, as well as the lab's ultimate descent into the Indian Ocean.



How Apollo flew to the Moon

W. David Woods
New York, NY : Springer Verlag, 2008.

629.454 WOO

Tells the exciting story of how the resulting Apollo flights were conducted by following a virtual flight to the Moon and back. From launch to splashdown, the author hitches a ride in the incredible spaceships that took men to another world, exploring each step of the journey and detailing the enormous range of

disciplines, techniques and procedures the Apollo crew had to master.



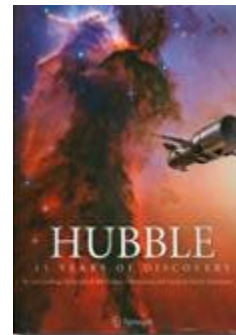
How Did the First Stars and Galaxies Form?

Abraham Loeb.
Princeton, NJ ; Woodstock : Princeton University Press, 2010.

523.1 LOE

Captures the latest exciting developments concerning one of the unsolved mysteries about our origins. Summarizes the fundamental principles and scientific ideas that are being used to address this question from the perspective the author's work over the past two decades.

Hubble : 15 years of discovery



Lars Lindberg Christensen & Bob Fosbury
New York, NY : Springer, 2006.

522.29 CHR

This book forms part of the European Space Agency's 15th anniversary celebration activities for the 1990 launch of the NASA/ESA Hubble Space Telescope. As an observatory in space, Hubble is one of the most successful scientific projects of all time, both in terms of scientific output and its immediate public appeal.



Hubble : imaging space and time

David Devorkin & Robert W. Smith.

Washington, DC : Smithsonian National Air and Space Museum : In Association with National Geographic, 2008.

REF 522.2919 DEV

Contains full-color images captured by the Hubble Space Telescope and discusses the telescope's development and how it works.



The human archaeology of space: lunar, planetary and interstellar relics of exploration

P.J. Capelotti.

Jefferson, NC : McFarland, 2010.

999 CAP

Providing a unified catalog of archaeological artifacts that have been left behind in space as a result of human exploration, this book describes the remnants of lost satellites, discarded lunar rovers, depleted rockets, and various abandoned spacecrafts. The book is divided into three parts covering distinct but interconnected issues of lunar, planetary, and interstellar archaeology.



In the shadow of the Moon [Blu-ray videorecording]

ThinkFilm presents a DOX production in association with Passion Pictures for Discovery Films and Film4.

[New York?] : [Santa Monica, Calif.?] : ThinkFilm ; Image Entertainment, 2010, c2007.

DVD 629.454 INT

Presents the story of NASA's Apollo program and the lunar landings by American astronauts made between 1968 and 1972. Features rare archival footage and interviews with surviving astronauts.



Inside the Milky Way [Blu-ray videorecording]

Produced by Dox Productions for National Geographic Channel ; writer/producer/director, Duncan Copp.

DVD 523.113 INS

Embark on an astounding journey across 100,000 light-years to witness key moments in the history of the Milky Way. Using cutting-edge science, National Geographic constructs a 3-D state-of-the-art CGI model of the galaxy. Peer into the heart of the Milky Way on the hunt for super-massive black holes, watch how stars are born and die, fly out and above the plane of the galaxy to understand its true shape, and scour its dusty spiral arms for the possibility of life.



Journey to the Edge of the Universe [Blu-ray videorecording]

Produced by Pioneer Productions and Handel Productions (Ontario) Inc. National Geographic Channel ; producer/director, Yavar Abbas.

DVD 523.1 JOU

The first accurate nonstop voyage from Earth to the edge of the universe using a single, unbroken shot through the use of spectacular CGI technology. Building on images taken from the Hubble telescope.

Kennedy Space Center : gateway to space



David West Reynolds
Buffalo, NY : Firefly Books (U.S.), 2006.

REF 629.478 REY

Contains over 150 illustrated photographs that describe the history of the Kennedy Space Center and its space program, with information on the earliest development of rockets in the United States and Germany, the missile race and U.S.-Soviet rivalry, and the Shuttle programs.

License to orbit : the future of commercial space travel



Joseph N. Pelton and Peter Marshall.
Burlington, Ont. : Lancaster : Apogee ; Gazelle [distributor], 2009.

338.0919 PEL
Two leading experts on space systems with decades of experience in the field provide

important and current insights on developments in today's commercial space industry in this ambitious and extensively researched examination. The authors look at the lives, ambitions, and struggles of the billionaires funding and supporting this industry, while also examining the nature of the strained relations and alternative goals of space agencies versus the private space flight industry. The analysis even includes descriptions of the amazing new technologies that could revolutionize space exploration and space industries in the coming decades.



Lunar outpost : the challenges of establishing a human settlements on the moon

Erik Seedhouse

Berlin ; New Yor, NY : Praxis Pub, 2009.

629.47 SEE

Provides a unique insight into what will need to be done to achieve this amazing feat. The book addresses the logistics of returning to the Moon in a specific timeframe, provides a unique insight into the training processes to be used, explains the complexities of spacecraft, launch vehicle and life support design, and highlights the means by which a lunar outpost will be constructed.



National Geographic encyclopedia of space

By Linda K. Glover

Washington, DC : National Geographic, 2005.

REF 629.4 NAT

The National Geographic Encyclopedia of Space offers clear and concise explanations of the planets; telescopes; manned space flight; satellites; the origin of the universe; the contributions of Nicolaus Copernicus, Edwin Hubble, and Stephen Hawking; and much more. The Encyclopedia of Space answers such questions as How vast is the Milky Way? What makes a satellite stay up? How does deep space affect our daily climate? Arranged in six thematic chapters, the Encyclopedia of Space brings together in one accessible volume the varied aspects of space science: the solar system, deep space exploration (manned and unmanned) and discovery, satellites and orbits, and the commercial, scientific, and military uses of space.



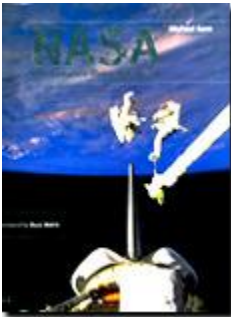
**NASA
[videorecording] : A
Celebration of 50
Years of Inspiration,
Innovation, and
Discovery**

Madacy Home Video

St. Laurent, Quebec : Distributed by Madacy Entertainment Group, 2003.

DVD 629.45 NAS

This three DVD set spotlights NASA's expeditions and innovations of the past five decades through a comprehensive video presentation and an engaging, interactive online feature. As a bonus, you can experience NASA's 50th Anniversary Gala from a front-row seat.

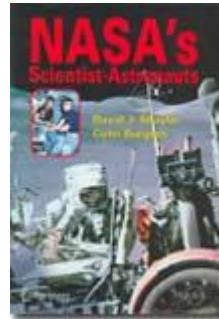


**NASA : the
Complete
Illustrated
History**

Michael Gorn
New York, NY :
Merrell, 2005.

REF 629.109 GOR

Tells the exciting history of space exploration from the early twentieth century to the present focusing on the personalities involved as much as the technological advances that have made space exploration possible.



**NASA'S scientist-
astronauts**

*David J. Shayler and
Colin Burgess*
Chichester, UK :
Springer : Published in
association with Praxis
Pub, 2007.

629.45 SHA

Relates how a small number of dedicated scientists helped NASA shape personal scientific research in space. Easily readable and well illustrated, it is an invaluable source of reference for all space-flight enthusiasts.

**The new solar system : ice worlds,
moons, and planets redefined**

Patricia Daniels

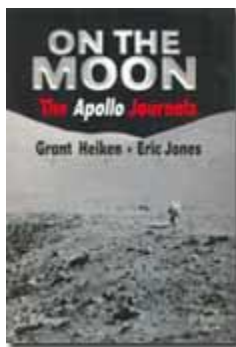


Washington, DC :
National Geographic,
2009.

REF 523.2 DAN

Aimed at the popular
audience by
experienced
astronomy author
Patricia Daniels and
highlighted by 160

photographs, diagrams and maps, this guide explores every corner of Earth's planetary neighborhood, from the fiery sun at its center to the dark, icy realm where interstellar space begins. It's a state-of-the-art observation of the solar system as we know it today and a knowledgeable forecast of what to expect in the future, from Pluto's demotion to plutoid to the upcoming Moon mission, the likelihood of a manned expedition to Mars, and much more. From breathtaking photographs to detailed explanatory diagrams to expert essays, fascinating sidebars, and informative fact boxes, this is not just an easy-to-use reference, but also a visually stunning volume to fire the imagination of even the most casual reader.



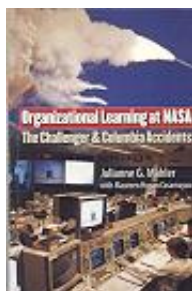
**On the moon :
the Apollo
journals**

Grant Heiken and Eric Jones
Berlin : Springer,
2007.

629.45 HEI

Captures the excitement, spirit, and frustration of the Apollo crews as they explored this new frontier, carried out unique scientific experiments and became the first lunar field geologists. Includes post-mission and recent interviews in which the astronauts recall their thoughts not only during their missions but also after more than 25 years of reflection.

**Organizational learning at NASA :
the Challenger and Columbia
accidents**



*Julianne G. Mahler ; with
Maureen Hogan
Casamayou.*
Washington, DC :
Georgetown University
Press, 2009.

658.4 MAH

Organizational learning, especially in public organizations, is an idea that is often promoted but seldom studied in any particular detail. This book hopes to remedy that deficiency by examining a case in which it is charged that learning did not occur, and assembles evidence about the learning process at NASA to define the general theory of organizational learning to account for the pressures and constraints of learning in public organizations

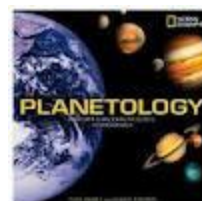


**The race to the
moon
[videorecording]**

Bethesda, MD ; New
York : History
Channel : Distributed
in the U.S. by New
Video, 2004.

DVD 629.4 RAC

A compilation of History Channel productions on the U.S. space program. Failure is not an option revisits the early days of NASA. Code name: Orion details NASA's attempt to introduce rockets propelled by atomic explosions. Modern marvels. Apollo 13 gives an account of the harrowing experience of three astronauts stranded in space after an oxygen tank on their vessel explodes. Modern marvels. The space shuttle presents the story of the shuttle from conception to reality.



**Planetology :
unlocking the
secrets of the solar
system**

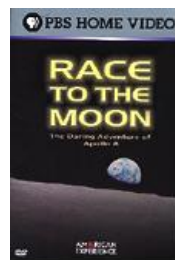
*Tom Jones and Ellen
Stofan.*

Washington, DC : National Geographic,
2008.

REF 523.4 JON

Explores the contrasts and similarities between Earth and its planetary neighbors, tracing the history of the solar system and the natural forces and processes that have shaped nearby planets and moons.

**Race to the moon
[videorecording] : the daring
adventure of Apollo 8**

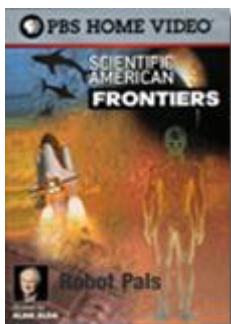


*Written, directed and produced
by Kevin Michael Kertscher*
San Francisco, CA : PBS
Home Video, 2005.

DVD 629.4 RAC

Take an up-close look at the

most dangerous mission in the history of exploration. Recount the triumphant first manned space flight. Interviews with Apollo 8 astronauts, mission control staff, and journalists.



**Robot pals
[videorecording]**

Chedd-Angier ; written, produced and directed by Graham Chedd
Alexandria, VA : PBS Home Video, 2005.

DVD 629.892 ROB

Viewers meet three robots, including a future member of an astronaut team.

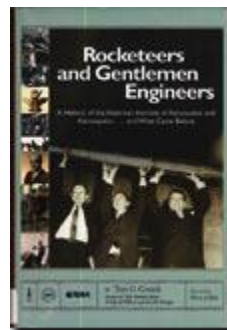
Rocket science: rocket science in the second millennium



By Alfred J. Zaehring and Steve Whitfield
Burlington, Ont : Apogee Books, 2004.

REF 621.43 ZAE
In this book Alfred Zaehring uses his lifetime of experience to take the mystery out

of the phrase he coined. Beginning with a short history of the birth of rockery he moves into an explanation of the physics that makes it possible to use rockets to fly in space. Leaving no stone unturned he moves on to the politics and economics of space-flight before providing a detailed cross-section of man's different uses of the reaction rocket to fly into the heavens. Finally he looks at the proposals for future methods of space transportation and looks at the many promising new technologies which may offer cheaper access to space.



Rocketeers and Gentlemen Engineers : a History of the American Institute of Aeronautics and Astronautics

Tom D. Crouch

Reston, VA : American Institute of Aeronautics and Astronautics, 2006.

629.109 CRO

Commissioned on the occasion of its 75th anniversary, here is the fascinating historical account of the American Institute of Aeronautics and Astronautics and its predecessor organizations, as well as the contributions each has made to the evolution of flight.

The seventh landing : going back to the moon, this time to stay



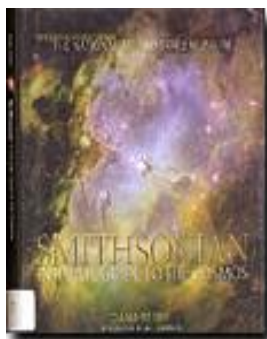
Written and illustrated by Michael Carroll.

New York, NY : Springer, 2009.

629.45 CAR

There were six Moon landings by the Apollo team from 1969 until now. When the last one

blasted off the surface of the moon, the dreams of establishing a permanent presence there were put on hold to deal with other priorities. The "seventh landing" on the Moon will begin a new era in space faring. See how this quest is going to be accomplished in this stunning and beautifully written book by veteran space writer and artist Michael Carroll, which includes interviews with a dozen Apollo and shuttle astronauts and Soviet cosmonauts.



**Smithsonian
intimate
guide to the
cosmos :
visualizing
the new
realities of
space**

By Dana Berry

Washington, DC

A Smithsonian/Madison Press Book in association with the National Air and Space Museum, 2004.

520 BER

What does dark energy look like? or the awesome phenomenon of cosmic cannibalism, when immense black holes swallow entire solar systems? NASA illustrator Dana Berry makes these and many other unseen wonders of the cosmos visible as never before, revealing a Universe that we can't see even with our most powerful orbiting telescopes-and what scientists can only imagine.

Smithsonian National Air and Space Museum : an autobiography

Edited by Michael J. Neufeld and Alex M. Spencer ; foreword by John H. Glenn, Jr. ; afterword by John R. Dailey.



Washington, D.C. : National Geographic Society, 2010.

REF 629.13 SMI

This Autobiography headlines the collections, both on view and behind the scenes, of the Smithsonian National Air and Space Museum. The official story and insiders' tales of the museum are shared by its curators, the people who know it best. Photography and backstage glimpses show off the collection, including well-known artifacts like Lindbergh's Spirit of St. Louis and the Apollo 11 command module, as well as rare treasures not displayed to the public.

Biblioteca Benjamín Franklin
Abierto de Lunes a Viernes de 11:00 a 19:00 hrs.



**Space
Exploration
(Britannica
Illustrated
Science Library)**

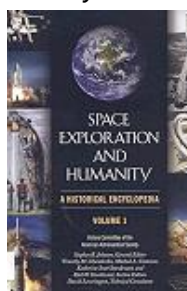
Chicago, IL :
Britannica, 2008.

REF 503 BRI V.2

Intends to show the history of manned and unmanned voyages and the discoveries that were made. All this is accompanied by photographs and top quality illustrations, providing a better picture of the successes by which we have made giant steps in our understanding of the composition of the other planets, their origin, and their evolution.

Space exploration and humanity : a historical encyclopedia

History Committee of the American



Astronautical Society ;
Stephen B. Johnson,
general editor.

Santa Barbara, CA : ABC-CLIO, 2010.

REF 629.403 SPA

Covers all aspects of space flight in all participating nations, ranging from the Cold War era beginnings of the space race to the lunar landings and the Apollo Soyuz mission; from the Shuttle disasters and the Hubble telescope to Galileo, the Mars Rover, and the International Space Station.



**Superstructures
in space : from
satellites to
space stations : a
guide to what's
out there**

Michael H. Gorn
London ; New York, NY : Merrell, 2008.

REF 629.46 GOR

First book to present pictorially the world's most significant and fascinating spacecraft. Lavishly illustrated throughout with hundreds of breathtaking photographs and drawings, this remarkable volume reveals in depth the full and exciting story behind each selected craft: its origins and development, its designers and manufacturers, and its launch and objectives.



**Trailblazing Mars :
NASA's Next Giant
Leap**

Pat Duggins.
Gainesville, FL : University
Press of Florida, c2010.
629.43543 DUG

Reviews the history of Mars exploration, looks at what is being done in the twenty-first century to fulfill the dream of sending humans to Mars, and looks at the challenges astronauts would face on a journey to the red planet, such as growing their own food, finding water, and solving their own problems and emergencies.



**Transbordadores
espaciales
[Videorecording]**

*Producción: Stuart Carter,
Nigel Henbest ; Dirección,
Rod Parker*
México : Discovery
Communications : Alterfilms, 1997.

S DVD 629.441 TRA

Conozca la evolución y las mejoras que han tenido estos asombrosos medios de transporte. Lo llevaremos a través del tiempo desde su invención, hasta el papel clave que han jugado en la construcción de la Estación Espacial Internacional. Una plataforma en órbita que servirá para llevar a cabo investigaciones científicas, desarrollos tecnológicos y que fungirá como puerto para misiones espaciales hacia los planetas dentro y fuera de nuestro sistema solar.



**A traveler's guide to
the planets [Blu-ray
videorecording]**

*Produced by Essential Media
and Entertainment for the
National Geographic Channel ; directed and
written by Richard Smith & Chris Thorburn.*
[Washington, D.C.] ; [United States] :
National Geographic : NGHT, 2010, 2009.

DVD 523.4 TRA

Take off beyond Earth's boundaries for the ultimate tour of our solar system. From Mars' monstrous mountains to Saturn's glittering rings, the sights are out of this world.

**Who owns the sky?: the struggle
to control airspace from the
Wright brothers on**



Stuart Banner
Cambridge, MA : Harvard
University Press, 2008.

343.7309 BAN

First book to tell the forgotten story of the sky elusive property. This is a collection of curious tales questioning the ownership of airspace and a reconstruction of a truly novel movement in the history of American law, Banner's book reminds us of the powerful and reciprocal relationship between technological innovation and the law, in the past as well as in the present.