
Apollo: VII - XVII

Item Type Book

Author Floris Heyne

Author Joel Meter

Author Simon Phillipson

Author Delano Steenmeijer

Abstract Im Juli 2019 jährt sich die erste bemannte Mondlandung zum 50. Mal – ein Meilenstein in der Geschichte der Menschheit. Die Apollo-Missionen der NASA haben bis heute nichts an ihrer Anziehungskraft verloren. Dieser Bildband zeigt fast vergessenes, unveröffentlichtes Fotomaterial aus den Archiven der NASA – aufgenommen von den Apollo-Astronauten während ihrer Missionen und in mühevoller Kleinarbeit aufwendig digitalisiert. Aus über 27 000 Fotografien haben die Autoren die 225 besten Bilder ausgewählt. Entstanden ist so eine einzigartige Dokumentation über das vielleicht wichtigste Ereignis im 20. Jahrhundert. Dazu liefert der Band spannende Insider-Informationen zu den Apollo Missionen, der NASA-Astronaut Walter Cunningham hat ein ausführliches Vorwort geschrieben. Apollo VII – XVII wird nicht nur Fans von Luft- und Raumfahrt begeistern, sondern alle Liebhaber von Fotografie und an Zeitgeschichte Interessierte.

Date 2018

Language en

Library Catalog Panel on Planetary Thinking

Place New York, NY

Publisher teNeues Verlag

ISBN 978-3-96171-132-1

of Pages 319

Date Added 1/15/2023, 3:42:24 PM

Modified 2/27/2025, 5:15:54 PM

Tags:

OUTER SPACE

Archaeology from Space: How the Future Shapes Our Past

Item Type Book

Author Sarah H. Parcak

Abstract "National Geographic Explorer and TED Prize-winner Dr. Sarah Parcak gives readers a personal tour of the evolution, major discoveries, and future potential of the young field of satellite archaeology. From surprise advancements after the declassification of spy photography, to a new map of the mythical Egyptian city of Tanis, she shares her field's biggest discoveries, revealing why space archaeology is not only exciting, but urgently essential to the preservation of the world's ancient treasures. Parcak has

worked in twelve countries and four continents, using multispectral and high-resolution satellite imagery to identify thousands of previously unknown settlements, roads, fortresses, palaces, tombs, and even potential pyramids. From there, her stories take us back in time and across borders, into the day-to-day lives of ancient humans whose traits and genes we share. And she shows us that if we heed the lessons of the past, we can shape a vibrant future"--Publisher's description

Date 2020
Language en
Short Title Archaeology from Space
Library Catalog Panel on Planetary Thinking
Call Number 009 TF 4171 P225
Extra OCLC: 1237757230
Place New York
Publisher Henry Holt and Company
ISBN 978-1-250-23134-5
of Pages 277
Date Added 1/15/2023, 3:28:47 PM
Modified 1/28/2025, 3:50:03 PM

Tags:

OUTER SPACE, Popular Science

Back to the Moon: The Next Giant Leap for Humankind

Item Type Book
Author Joseph Silk
Abstract "In December 2022, it will have been fifty years since humankind's last voyage to the Moon. And nations around the world have been gaining momentum, increasingly rapidly, in their planning to return. NASA proposes to land the first woman and next man on the Moon by 2024 (with the Artemis program) and to build a lunar orbiting space station - the Lunar Gateway - that will be capable of sustaining a permanent human presence by 2028. The Lunar Gateway is also meant to be a base for coordinating lunar development and function as a launch site for further solar system exploration (including to Mars and beyond). Meanwhile, the European Space Agency (ESA) has called for the installation of a permanent, human-inhabited village at the lunar southern pole. And, among other lunar projects, China's National Space Administration is also pursuing a human outpost on the Moon. Private entrepreneurs are enthusiastic about mining minerals on the Moon, making rocket fuel for further space exploration, and even developing luxury hotel resorts. These various lunar initiatives that characterize the new space race to the Moon are generally more commercial than scientific. Yet, geared as they are to establish habitable facilities on our nearest neighbor in space, they will also open up the Moon to science and usher in a new age of scientific exploration. While international space agencies and commercial interests jostle and race to create habitable space and profits on the Moon, this book

advocates for the science that can be done there and lays out a vision for what the next fifty years of lunar science might look like. In particular, Silk advocates for the pursuit of lunar astronomy and argues that building a telescope on the lunar far side should be an integral part of plans to return to the Moon, as it would be uniquely poised to answer some of the most profound questions facing humankind: where did we come from and are we alone?"--

Date 2022
Language en
Short Title Back to the Moon
Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8500 S583
Place Princeton, New Jersey
Publisher Princeton University Press
ISBN 978-0-691-21523-5
of Pages 292
Date Added 3/1/2023, 1:21:09 PM
Modified 1/29/2025, 4:38:39 PM

Tags:

OUTER SPACE, Space industrialization, Exploration, Space colonies, Lunar bases, Moon

Notes:

The new space race -- Digging deep on the moon -- Robots and humans -- Tuning in to our origins -- The first months of creation -- Our violent past -- Are we alone? -- Survival -- Internationalization -- The next century

China in Space: The Great Leap Forward

Item Type Book
Author Brian Harvey
Abstract In 2019, China astonished the world by landing a spacecraft and rover on the far side of the Moon, something never achieved by any country before. China had already become the world's leading spacefaring nation by rockets launched, sending more into orbit than any other. China is now a great space superpower alongside the United States and Russia, sending men and women into orbit, building a space laboratory (Tiangong) and sending probes to the Moon and asteroids. Roadmap 2050 promises that China will set up bases on the Moon and Mars and lead the world in science and technology by mid-century. China's space programme is one of the least well-known, but this book will bring the reader up to date with its mysteries, achievements and exciting plans. China has built a fleet of new, powerful Long March rockets, four launch bases, tracking stations at home and abroad, with gleaming new design and production facilities. China is poised to build a large, permanent space station, bring back lunar rocks, assemble constellations of communications satellites and send

spaceships to Mars, the moons of Jupiter and beyond. A self-sustaining lunar base, Yuegong, has already been simulated. In space, China is the country to watch.

Date 2019
Language en
Short Title China in Space
Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8000 H341 (2)
URL <https://doi.org/10.1007/978-3-030-19588-5>
Place Switzerland
Publisher Springer Cham
ISBN 978-3-030-19587-8
Series Springer Praxis Books
Edition Second edition
of Pages 552
Date Added 1/15/2023, 3:33:05 PM
Modified 1/29/2025, 4:46:17 PM

Tags:

OUTER SPACE, Asian Studies, China space program, Tiangong space station

Notes:

Includes bibliographical references and index

The far side of the Moon -- Medieval rockets to first satellites -- New rockets, launch sites and ships -- Science and technology -- Communications -- Applications and military -- Manned flight -- To the moon and Mars -- China in perspective "The explosive growth of China's innovative and rapidly developing space program in recent years has made it a "hot" topic in international space policy. This follow up to Harvey's earlier book, China's Space Program - From Conception To Manned Spaceflight (2004) bring us up to date with everything that is happening in the Chinese space program today and looks at its ambitious future. The author briefly summarizes how this program evolved from medieval times, and uncovers the truth behind the bland, unreliable, and generally uninformative news releases issued around each space mission. It also examines the key features of the program, previously unknown to the outside world"--

Attachments

- Table of Contents PDF

Comets

Item Type Book
Author P. Andrew Karam

Abstract Radiating fire and ice, comets as a phenomenon seem part science, part myth. 2000 years ago when a comet shot across the night sky, it convinced the Romans that Julius Caesar was a god. In 1066, Halley's Comet was interpreted as a foreshadowing of the death of Harold the Second in the Battle of Hastings. Even today the arrival of a comet often feels auspicious, confirming our hopes, fears and sense of wonder in the universe. P. Andrew Karam takes the reader on a far-ranging exploration of these beautiful and dramatic objects in the skies, revealing how comets and humanity have been interwoven throughout history

Date 2017

Language en

Library Catalog Panel on Planetary Thinking

Call Number 009 US 8800 K18

Place London

Publisher Reaktion Books

ISBN 978-1-78023-830-2

Series Earth series

of Pages 200

Date Added 1/15/2023, 3:16:37 PM

Modified 1/18/2023, 3:43:31 PM

Tags:

OUTER SPACE, Astronomy

Notes:

Includes bibliographical references (pages 189-193) and index

Dark Skies: Space Expansionism, Planetary Geopolitics, and the Ends of Humanity

Item Type Book

Author Daniel Deudney

Abstract "Dark Skies is the first work to assess the full impacts of space expansion, past, present and future. Thinking about space, and the visions fervently promoted by the global space movement, are dominated by geographic misperceptions and utopian illusions. The parts of space where almost all activity has occurred are part of the planet Earth, its astrosphere, and are, in practical terms, smaller than the atmosphere. Contrary to frontier visions, orbital space is already congested and degraded with dangerous space debris. The largest impact of actual space activities is an increased likelihood of catastrophic nuclear war stemming from the use of orbital space and space technology to lob nuclear weapons at intercontinental distances. Building large-scale orbital infrastructures will probably require or produce world government. The ultimate goal of space advocates, the colonization of Mars and asteroids, is promoted to guarantee

the survival of humanity if major catastrophes strike Earth. But the spread of humanity into a multi-planet species will likely produce an interstate anarchy highly prone to total war, with Earth having many disadvantages. Altering the orbits of asteroids, a readily achievable technology vital for space colonization, also makes possible 'planetoid bombs' with destructive potentials millions of times great than all nuclear weapons. The biological diversification of humanity into multiple species, anticipated by space advocates, will further stoke interworld wars. Astrocide - the extinction of humanity resulting from significant space expansion - must join the lengthening list of potential threats to human survival. Large-scale space expansion should be relinquished in favour of an Earth-oriented space program of arms control and planetary security. Dark Skies is the first work to assess the full impacts of space expansion, past, present and future. Thinking about space, and the visions fervently promoted by the global space movement, are dominated by geographic misperceptions and utopian illusions. The parts of space where almost all activity has occurred are part of the planet Earth, its astrosphere, and are, in practical terms, smaller than the atmosphere. Contrary to frontier visions, orbital space is already congested and degraded with dangerous space debris. The largest impact of actual space activities is an increased likelihood of catastrophic nuclear war stemming from the use of orbital space and space technology to lob nuclear weapons at intercontinental distances. Building large-scale orbital infrastructures will probably require or produce world government. The ultimate goal of space advocates, the colonization of Mars and asteroids, is promoted to guarantee the survival of humanity if major catastrophes strike Earth. But the spread of humanity into a multi-planet species will likely produce an interstate anarchy highly prone to total war, with Earth having many disadvantages. Altering the orbits of asteroids, a readily achievable technology vital for space colonization, also makes possible 'planetoid bombs' with destructive potentials millions of times great than all nuclear weapons. The biological diversification of humanity into multiple species, anticipated by space advocates, will further stoke interworld wars. Astrocide - the extinction of humanity resulting from significant space expansion - must join the lengthening list of potential threats to human survival. Large-scale space expansion should be relinquished in favour of an Earth-oriented space program of arms control and planetary security"--

Date 2020

Language en

Short Title Dark Skies

Library Catalog Panel on Planetary Thinking

Call Number 009 ZO 8050 D485

Place New York, NY

Publisher Oxford University Press

ISBN 978-0-19-090334-3

of Pages 443

Date Added 1/15/2023, 3:40:50 PM

Modified 1/29/2025, 5:04:32 PM

Tags:

OUTER SPACE, Exploration, Geopolitics, Civilian use Philosophical aspects, Space warfare, Strategic aspects

Notes:

Includes index

Das Universum und ich: die Philosophie der Astrophysik

Item Type Book

Author Sibylle Anderl

Abstract Eine lehrreiche und faszinierende philosophische Reise in die Welt der Astrophysik und eine Liebeserklärung an die Erforschung des Universums. Astrophysiker wissen verdammt viel: dass das All zu 26 Prozent aus dunkler Materie besteht und das Schwarze Loch im Zentrum der Galaxie M87 so viel wiegt wie 6,6 Milliarden Sonnen. Doch wie kommen sie eigentlich zu diesem Wissen? Könnte das Universum in Wahrheit nicht ganz anders aussehen? Die Philosophin und Astrophysikerin Sibylle Anderl erzählt mitreißend von der Arbeit der Astronomen, die aus kleinsten Indizien wie dem Lichtspektrum oder der Bewegung der Sterne darauf schließen, woraus Planeten bestehen und über welche Masse Schwarze Löcher verfügen. Ihr Buch ist eine Liebeserklärung an die Erforschung des Weltalls. Und eine faszinierende philosophische Reise zu den Grenzen unseres Wissens.

Date 2017

Language de

Short Title Das Universum und ich

Library Catalog Panel on Planetary Thinking

Call Number 009 US 1000 A543 (5)

Place München

Publisher Carl Hanser Verlag

ISBN 978-3-446-25663-7

of Pages 252

Date Added 1/10/2024, 3:40:02 PM

Modified 1/10/2024, 3:41:19 PM

Tags:

OUTER SPACE, Philosophy of Science / Physics, Astrophysics

Notes:

Hier auch später erschienene, unveränderte Nachdrucke (hier auch als Auflagen bezeichnet)

Attachments

- Table of Contents PDF

Das Weltall: ein Spaziergang durch die Geheimnisse des Universums

Item Type Book

Author Edwige Pezzulli

Author Rosa Valiante

Author Maria C. Orofino

Author Simona Gallerani

Author Raffaella Schneider

Author Tullia Sbarrato

Author Silvia Vecchini

Author Alice Beniero

Translator Ulrike Schimming

Abstract Das Team von sechs Autorinnen (aus der Astrophysik) nimmt die Leser*innen - verpackt in die Rahmenhandlung einer erzählenden grossen Schwester - mit auf eine Reise ins Universum, geht auf Planeten, Galaxien, weisse Zwerge und schwarze Löcher, den Urknall und die Suche nach ausserirdischem intelligenten Leben ein und stellt Forscher, insbesondere Forscherinnen, auf dem Gebiet vor. Die verständlichen, aber anspruchsvollen, Sachtexte werden ergänzt durch Zusatzdetails in Infoblöcken, Legenden und Gedichte.

Date 2021

Language de

Short Title Das Weltall

Library Catalog Panel on Planetary Thinking

Call Number 009 US 3460 G166

Place Hamburg

Publisher Carlsen

ISBN 978-3-551-25077-3

Edition 1. Aufl

of Pages 216

Date Added 1/15/2023, 3:00:31 PM

Modified 1/18/2023, 3:43:37 PM

Tags:

OUTER SPACE, Popular Science, Astrophysics, Cosmos

Attachments

- Table of Contents PDF

Der Blick vom Mond: Reflexionen über Weltraumflüge

Item Type Book
Author Günther Anders
Abstract Der Titel für die nachstehenden Überlegungen lautet: 'Der Blick vom Mond' - womit die Hauptthese der Schrift formuliert wird, nämlich die, daß das entscheidende Ereignis der Raumflüge nicht in der Erreichung der fernen Regionen des Weltalls oder des fernen Mondgeländes besteht, sondern darin, daß die Erde zum ersten Mal die Chance hat, sich selbst zu sehen, sich selbst so zu begegnen, wie sich bisher nur der im Spiegel sich reflektierende Mensch hatte begegnen können.
Date 1994
Language de
Short Title Der Blick vom Mond
Library Catalog Panel on Planetary Thinking
Call Number 009 GM 2146 B65 1994 (2)
Place München
Publisher Beck
ISBN 978-3-406-37446-3
Series Beck'sche Reihe
Series Number 1056
Edition Orig.-Ausg., 2. Aufl
of Pages 190
Date Added 1/15/2023, 1:22:04 PM
Modified 8/12/2025, 5:39:32 PM

Tags:

Philosophy, OUTER SPACE, Space Travel

Design for a Living Planet: The Earth Constitution Solution

Item Type Book
Author Glen T. Martin
Author Laura M. George
Author Ellen H. Brown
Abstract "The Earth Federation Movement is growing because most people understand that global problems cannot be solved at the nation-state level. Climate change, wealth inequality, and war are just a few of the problems that must be addressed on a planetary basis using Systems Theory and the principle of Holism. The Earth Constitution is a holarchical and unifying system to guide this next phase of human evolution. It will allow humanity to coordinate a response to the climate crisis and other global problems. Simultaneously, it will help humanity adopt a planetary consciousness as World Citizens. Design for a Living Planet promotes five fundamental steps to ensure our survival and the flourishing of our precious planet: (i) transformation to holistic thinking; (ii) conversion to non-growth sustainable economics; (iii) making climate science the central policy issue to protect Earth's

biosphere; (iv) promotion of moral and spiritual growth to planetary consciousness; and (v) giving Earth a "brain" by actualizing the Noosphere and creating democratic world government under the Earth Constitution"--

Date 2021
Language en
Short Title Design for a Living Planet
Library Catalog Panel on Planetary Thinking
Call Number 009 MK 4050 M381
Place Independence
Publisher Peace Pentagon Press
ISBN 978-1-937465-28-5
of Pages 319
Date Added 1/15/2023, 2:49:17 PM
Modified 1/28/2025, 4:01:24 PM

Tags:

OUTER SPACE, Political Theory, Sociology, International Politics

Dr. Space: The Life of Wernher von Braun

Item Type Book
Author Bob Ward
Author Wernher Von Braun
Author John Glenn
Abstract Explores the life and achievements of the rocketry pioneer who designed rockets for the Nazi war effort early in his career and later became a leading figure in the American space program.
Date 2009
Language en
Short Title Dr. Space
Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8050 W262
Place Annapolis, Maryland
Publisher Naval Institute Press
ISBN 978-1-59114-927-9
Edition First paperback edition, Impression 2
of Pages 282
Date Added 1/15/2023, 3:44:55 PM
Modified 1/29/2025, 5:19:34 PM

Tags:

History, OUTER SPACE

Notes:

Hier auch später erschienene, unveränderte Nachdrucke Literaturverzeichnis: Seite 269-271. - Index

Dunkle Materie: das große Rätsel der Kosmologie

Item Type Book
Author Sibylle Anderl
Date 2022
Language de
Short Title Dunkle Materie
Library Catalog Panel on Planetary Thinking
Call Number 009 US 2200 A543
Place München
Publisher C.H. Beck
ISBN 978-3-406-78360-9
Series C.H. Beck Wissen
Series Number 2934
Edition Originalausgabe
of Pages 128
Date Added 1/15/2023, 2:53:35 PM
Modified 1/18/2023, 3:43:56 PM

Tags:

OUTER SPACE, Popular Science, Dark Matter, Physics

Notes:

Literaturverzeichnis: Seite 122-128

Attachments

- Table of Contents PDF
-

Expanding Universe: Photographs from the Hubble Space Telescope

Item Type Book
Editor Owen Edwards

Editor Zoltan Levay
Editor Charles Bolden
Editor John Mace Grunsfield

Abstract "With investigations into everything from black holes to exoplanets, the Hubble Telescope has changed not only the face of astronomy but also our very sense of being in the universe. On the 30th anniversary of its launch into low-earth orbit, this updated edition presents 30 brand new images, unveiling more hidden gems from the Hubble's archives. Ultra-high resolution and taken with almost no background light, these pictures have answered some of the most compelling questions of time and space while also revealing new mysteries, like the strange "dark energy" that sees the universe expanding at an ever-accelerating rate"--

Date 2020

Language eng fre ger

Short Title Expanding Universe

Library Catalog Panel on Planetary Thinking

Call Number 009 US 3460 L656

Extra OCLC: on1174879745

Place Cologne

Publisher Taschen

ISBN 978-3-8365-8363-3

of Pages 255

Date Added 1/15/2023, 2:54:58 PM

Modified 1/29/2025, 5:27:01 PM

Tags:

OUTER SPACE, astronomical photography, Astronomical photography, Espace extra-atmosphérique, Galaxies, Hubble Space Telescope (Spacecraft), Ouvrages illustrés, Photographie astronomique, Pictorial works, Solar system, Space astronomy, Système solaire

Notes:

Introductory statement -- The color of chaos -- The Solar System -- The Milky Way -- Neighboring galaxies -- The local supercluster -- The visible universe -- Concluding statement -- We are all starstuff -- Photo index

Previous edition: 2015

Extreme Space Weather

Item Type Book

Editor Ryuho Kataoka

Abstract Extreme Space Weather not only allows readers to learn the basics of complex space weather phenomena and future directions for research in space physics and extreme space events. The book begins with a brief overview of space weather, including sunspot cycles, solar winds and geomagnetic fields. From there, the book moves on to extreme space weather phenomena, including mass coronal ejections, solar flares and magnetic storms. The book also includes a discussion of both observed and theoretical extreme events. This book is ideal for students and researchers in geophysics and space physics departments, as well as those in hazard and disaster preparedness.

Date 2022

Language en

Library Catalog Panel on Planetary Thinking

Call Number 009 US 9000 K19

Place Amsterdam

Publisher Elsevier

ISBN 978-0-12-822537-0

of Pages 300

Date Added 1/15/2023, 3:23:43 PM

Modified 1/18/2023, 3:44:07 PM

Tags:

OUTER SPACE, Weather, Space Physics

Imagining Solar Energy: The Power of the Sun in Literature, Science and Culture

Item Type Book

Author Gregory Lynall

Abstract How has humanity sought to harness the power of the Sun, and what roles have literature, art and other cultural forms played in imagining, mythologizing and reflecting the possibilities of solar energy? What stories have been told about solar technologies, and how have these narratives shaped developments in science and culture? What can solar power's history tell us about its future, within a world adapting to climate crisis? Identifying the history of capturing solar radiance as a focal point between science and the imagination, *Imagining Solar Energy* argues that the literary, artistic and mythical resonances of solar power – from the Renaissance to the present day – have not only been inspired by, but have also cultivated and sustained its scientific and technological development. Ranging from Archimedes to Isaac Asimov, John Dee to Humphry Davy, Aphra Behn to J. G. Ballard, the book argues that solar energy translates into many different kinds of power (physical, political, intellectual and cultural), and establishes for the first time the importance of solar energy to many literary and scientific endeavours.

Date 2021

Language eng

Short Title *Imagining Solar Energy*

Library Catalog Panel on Planetary Thinking

Call Number 009 EC 5410 L987
Extra OCLC: 1201227739
Place S.l.
Publisher Bloomsbury
ISBN 978-1-350-23746-9
Date Added 3/30/2023, 2:36:07 PM
Modified 8/6/2025, 4:16:34 PM

Tags:

OUTER SPACE, Literary Studies, Comparative Literature, Solar Energy, Sun

Impact: How Rocks from Space Led to Life, Culture, and Donkey Kong

Item Type Book

Author Greg Brennecka

Abstract A Short History of Nearly Everything meets Astrophysics for People in a Hurry in this humorous, accessible exploration of how meteorites have helped not only build our planet but steered the evolution of life and human culture. The Solar System. Dinosaurs. Donkey Kong. What is the missing link? Surprisingly enough, it's meteorites. They explain our past, constructed our present, and could define our future. Impact argues that Earth would be a lifeless, inhospitable piece of rock without being fortuitously assaulted with meteorites throughout the history of the planet. These bombardments transformed Earth's early atmosphere and delivered the complex organic molecules that allowed life to develop on our planet. While meteorites have provided the raw materials for life to thrive, they have radically devastated life as well, most famously killing off the dinosaurs and paving the way for humans to evolve to where we are today. As noted meteoriticist Greg Brennecka explains, meteorites did not just set us on the path to becoming human, they helped direct the development of human culture. Meteorites have influenced humanity since the start of civilization. Over the centuries, meteorite falls and other cosmic cinema have started (and stopped) wars, terrified millions, and inspired religions throughout the world. With humor and an infectious enthusiasm, Brennecka reveals previously untold but important stories sure to delight and inform readers about the most important rocks on Earth.

Date 2022

Language en

Short Title Impact

Library Catalog Panel on Planetary Thinking

Call Number 009 US 8900 B838

Place New York

Publisher William Morrow

ISBN 978-0-06-307892-5

Edition First edition

of Pages 292

Date Added 1/15/2023, 3:19:18 PM

Modified 1/30/2025, 1:50:01 PM

Tags:

OUTER SPACE, Popular Science, Astronomy, Geology

Attachments

- Table of Contents PDF

In Light-Years There's No Hurry: Cosmic Perspectives on Everyday Life

Item Type Book

Author Marjolijn van Heemstra

Translator Jonathan Reeder

Abstract "How seeing Earth through the eyes of an astronaut brings new wonder and meaning to life on our planet. One stifling summer night, the poet and journalist Marjolijn van Heemstra lay awake, unable to sleep-like so many of us feeling anxious and alienated, deeply exhausted yet restless. Amid the suffocating stream of daily obligations, the clamor of notifications and increasingly dismal headlines, she longed for a way to rise above the frenzy, for a renewed sense of meaning and connection. Then she learned about the overview effect-a permanent shift in consciousness many astronauts experience when beholding Earth from outside the atmosphere-and wondered: could the perspective of outer space offer the internal space she sought? The lyrical account of van Heemstra's yearlong quest to experience the overview effect on Earth, *In Light-Years There's No Hurry* invites us to lift our gaze above eye level and discover our connections with the cosmos, our planet, and each other. We follow as van Heemstra's cosmic awareness expands and she finds herself feeling simultaneously lighter and more grounded. Compared with the complexity of the universe, daily life on Earth begins to seem more manageable, while understanding the improbability of our collective existence gives her new patience and tenderness for her neighbors. The grand rhythms of light-years and eons become a source of restoration and relief-a comforting, necessary reminder to slow down and zoom out. Contemplating the solace a cosmic perspective offers in our chaotic, divided world, *In Light-Years There's No Hurry* is a moving meditation on what it is to be human amid the vastness of the universe"

Date 2023

Language eng

Short Title In Light-Years There's No Hurry

Library Catalog Panel on Planetary Thinking

Call Number 009 CC 6320 H458

Extra OCLC: 1346294674

Place New York

Publisher W.W. Norton & Company, Inc.

ISBN 978-1-324-03569-5
Edition First American edition
of Pages 179
Date Added 12/12/2023, 4:38:33 PM
Modified 1/30/2025, 1:54:25 PM

Tags:

OUTER SPACE, planet, poetry

Into the Anthropocosmos: A Whole Space Catalog from the MIT Space Exploration Initiative

Item Type Book
Author Ariel Ekblaw
Author Cady Coleman
Author Sands Fish
Abstract "Inspired by the "Whole Earth Catalog," this book features 40 flight-tested prototypes of futuristic objects developed through research funded by MIT Space Exploration Initiative. It includes never-before-seen images of these objects in microgravity and on the International Space Station"--
Date 2021
Language en
Short Title Into the Anthropocosmos
Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8000 E36
Place Cambridge
Publisher The MIT Press
ISBN 978-0-262-04637-4
of Pages 116
Date Added 1/15/2023, 3:31:24 PM
Modified 1/30/2025, 2:02:29 PM

Tags:

OUTER SPACE, Outer space, Technological innovations, Exploration Technological innovations, Life support systems (Space environment), Massachusetts Institute of Technology, Reduced gravity environments, Space biology, Space Exploration Initiative

Notes:

Living with Tiny Aliens: The Image of God for the Anthropocene

Item Type Book
Author Adam Pryor
Abstract "Living with Tiny Aliens imagines in theological terms how an individuals' meaningful existence persists within a cosmos pregnant with living-possibilities. In doing so, it works to articulate an astrobiological humanities"--
Date 2020
Language en
Short Title Living with Tiny Aliens
Library Catalog Panel on Planetary Thinking
Call Number 009 US 9800 P973
Place New York
Publisher Fordham University Press
ISBN 978-0-8232-8831-1 978-0-8232-8771-0
Series Groundworks: ecological issues in philosophy and theology
of Pages 269
Date Added 1/15/2023, 3:27:57 PM
Modified 1/30/2025, 2:14:08 PM

Tags:

OUTER SPACE, Religious aspects, Exobiology, Theological anthropology

Notes:

Minimal Level Cataloging Plus

Meteorite: How Stones From Outer Space Made Our World

Item Type Book
Author Tim Gregory
Abstract Every rock has a story tell, and none more so than those which have fallen from the sky: meteorites. Originating in the Asteroid Belt between Mars and Jupiter, these rocky fragments offer clues not just to the earliest origins of the Solar System but also to Earth's very survival into the future. Sky at Night presenter, Dr Tim Gregory takes us on a journey through the very earliest days of our Solar System to the spectacular meteorite falls that produced 'fiery rain' in 1792, to the pre-solar grains (literally

stardust) that were blown in from other solar systems and are the oldest solid objects ever discovered on earth. Meteorites reveal a story much bigger than ourselves or our planet. As Tim says, 'it is an epic beyond compare'.

Date 2020-10
Language en
Short Title Meteorite
Library Catalog Panel on Planetary Thinking
Call Number 009 US 8900 G823
Place New York
Publisher Basic Books
ISBN 978-1-5293-2766-3
of Pages 320
Date Added 4/21/2022, 11:14:34 PM
Modified 8/13/2025, 2:11:51 PM

Tags:

OUTER SPACE, Geology

Attachments

- [Amazon.com Link](#)
- [Tim-Gregory-Meteorite-Basic-Books-_2020_.pdf](#)

Meteorite: How Stones from Outer Space Made Our World

Item Type Book
Author Tim Gregory
Abstract Meteorites have long been seen as portents of fate and messages from the gods, their fiery remains inspiring worship and giving rise to legends that have persisted for millennia. But beyond the lore, meteorites tell an even greater story: that of our solar system. In *Meteorite*, geologist Tim Gregory shows that beneath the charred crusts of these celestial stones lies a staggering diversity of rock types. Their unique constituents, vibrant colors, and pungent smells contain thrilling tales of interstellar clouds, condensing stardust, and the fiery collisions of entire worlds. Gregory explores the world of meteorites to uncover new insights into what our solar system was like before our Sun became a star, into the forging of our planet, and into the emergence of life on it. Humans have long looked to the skies for answers to big questions. *Meteorite* reveals how science is finally arriving at those answers.

Date 2020
Language en
Short Title Meteorite
Library Catalog Panel on Planetary Thinking
Call Number 009 US 8900 G823

Place London
Publisher John Murray
ISBN 978-1-5293-2766-3
of Pages 306
Date Added 1/15/2023, 3:21:41 PM
Modified 1/30/2025, 2:16:10 PM

Tags:

OUTER SPACE, Popular Science, Geology

NASA, the Archives: From Project Mercury to the Mars Rovers 60 Years in Space

Item Type Book

Author Piers Bizony

Author Andrew Chaikin

Author Roger D. Launius

Abstract On October 1, 1958, the world's first civilian space agency opened for business as an emergency response to the Soviet Union's launch of Sputnik a year earlier. Within a decade, the National Aeronautics and Space Administration, universally known as NASA, had evolved from modest research teams experimenting with small converted rockets into one of the greatest technological and managerial enterprises ever known, capable of sending people to the Moon aboard gigantic rockets and of dispatching robot explorers to Venus, Mars, and worlds far beyond. In spite of occasional, tragic setbacks in NASA's history, the Apollo lunar landing project remains a byword for American ingenuity; the winged space shuttles spearheaded the International Space Station and a dazzling array of astronomical satellites and robotic landers, and Earth observation programs have transformed our understanding of the cosmos and our home world's fragile place within it. Throughout NASA's 60-year history, images have played a central role. Who today is not familiar with the Hubble Space Telescope's mesmerizing views of the universe or the pin-sharp panoramas of Mars from NASA's surface rovers? And who could forget the photographs of the first men walking on the Moon? Researched with the collaboration of NASA, this collection gathers more than 400 historic photographs and rare concept renderings, scanned and remastered using the latest technology and reproduced in extra-large size. Texts by science and technology journalist Piers Bizony, former NASA chief historian Roger Launius, and best-selling Apollo historian Andrew Chaikin-and an extensive mission checklist documenting the key human and robotic missions round out this comprehensive exploration of NASA, from its earliest days to its current development of new space systems for the future. The NASA Archives is more than just a fascinating pictorial history of the U.S. space program. It is also a profound meditation on why we choose to explore space and how we will carry on this grandest of all adventures in the years to come.

Date 2019

Language eng fre

Short Title NASA, the Archives

Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8050 B625
Place Köln
Publisher Taschen
ISBN 978-3-8365-7634-5 978-3-8365-6950-7
of Pages 468
Date Added 1/29/2025, 5:46:31 PM
Modified 3/25/2025, 11:52:42 AM

Tags:

History, OUTER SPACE, Astronautics, Interplanetary voyages, Illustrated works, Space photography, NASA

Off-Earth: Ethical Questions and Quandaries for Living in Outer Space

Item Type Book
Author Erika Nesvold
Abstract "Trade book looking at social and ethical issues of human space settlement"--
Date 2023
Language en
Short Title Off-Earth
Library Catalog Panel on Planetary Thinking
Call Number 009 US 9000 N468
Place Cambridge, Massachusetts
Publisher The MIT Press
ISBN 978-0-262-37253-4 978-0-262-37252-7
of Pages 284
Date Added 4/19/2023, 3:48:25 PM
Modified 1/30/2025, 2:36:30 PM

Tags:

OUTER SPACE, Social aspects, Moral and ethical aspects, Space colonies

Notes:

How do we begin? -- Should we settle space? -- Why are we going? -- Who gets to go? -- How will we live with the land? -- Who owns space? -- How will we share the space environment? -- How can we protect the space environment? -- How will we live with each other? -- Where's my money? -- What if someone steals my stuff? -- Who's in charge? -- How can we live well? -- What if I want to have kids? -- What if I get sick? -- Which way is Mecca? -- What can we do to prepare?

Original Sin: Power, Technology and War in Outer Space

Item Type Book

Author Bleddyn E. Bowen

Abstract Space technology was developed to enhance the killing power of the state. The Moon landings and the launch of the Space Shuttle were mere sideshows, drawing public attention away from the real goal: military and economic control of space as a source of power on Earth. Today, as Bleddyn E. Bowen vividly recounts, thousands of satellites work silently in the background to provide essential military, intelligence and economic capabilities. No major power can do without them. Beyond Washington, Moscow and Beijing, truly global technologies have evolved, from the ground floor of the nuclear missile revolution to today's orbital battlefield, shaping the wars to come. World powers including India, Japan and Europe are fully realising the strategic benefits of commanding Earth's 'cosmic coastline', as a stage for war, development and prestige. Yet, as new contenders spend more and more on outer space, there is scope for cautious optimism about the future of the Space Age—if we can recognise, rather than hide, its original sin

Date 2022

Language en

Short Title Original Sin

Library Catalog Panel on Planetary Thinking

Call Number 009 ZO 8000 B786

Place London

Publisher Hurst & Company

ISBN 978-1-78738-777-5

of Pages 445

Date Added 1/15/2023, 6:11:58 PM

Modified 8/8/2025, 6:42:09 PM

Tags:

OUTER SPACE, History of Space Exploration, History of Technology, Outer Space, Space Technology

Notes:

Literaturverzeichnis: Seite 385-415, Register

Reclaiming Space: Progressive and Multicultural Visions of Space Exploration

Item Type Book

Editor James S. J. Schwartz

Editor Linda Billings

Editor Erika Nesvold

Abstract "Space, to use a worn metaphor, is in the mind of the beholder. When we contemplate the seemingly limitless universe, we tend to project onto space our own hopes and dreams (as well as our fears and anxieties). But like responses to Rorschach inkblots, there are many different hopes, dreams, fears, and anxieties that one can project onto the night's sky. To those who approach it with a thirst for profits, space appears as a resource-rich goldmine, beckoning to anyone with enough wealth and privilege to take advantage of untapped markets. To those who approach it with a yearning for human expansion, space appears as a frontier that is humanity's birthright to conquer, its new manifest destiny. To those who approach it with a passion for knowledge and understanding, space appears as a tantalizing and pristine laboratory for scientific exploration. In these ways, our visions for humanity's future in space--what planets and moons we hope to visit, what we hope to accomplish when we get there--are more products of our perspectives about space (and our underlying worldviews and value systems) than anything else"--

Date 2023

Language en

Short Title Reclaiming Space

Library Catalog Panel on Planetary Thinking

Call Number 009 ZO 8000 S399

Place New York, NY

Publisher Oxford University Press

ISBN 978-0-19-760479-3

of Pages 363

Date Added 6/14/2023, 6:29:05 PM

Modified 8/6/2025, 4:27:44 PM

Tags:

OUTER SPACE, Outer space, Space industrialization, Exploration, Exploration Social aspects

Space Forces: A Critical History of Life in Outer Space

Item Type Book

Author Fred Scharmen

Abstract "Many societies have imagined going to live in space. What they want to do once they get up there - whether conquering the unknown, establishing space "colonies," privatising the moon's resources - reveals more than expected. In this fascinating radical history of space exploration, Fred Scharmen shows that often science and fiction have combined in the imagined dreams of life in outer space, but these visions have real implications for life back on earth. For the Russian Cosmists of the 1890s space was a place to pursue human perfection away from the Earth. For others, such as Wernher Von Braun, it was an engineering task that combined, in the Space Race, the Cold War, and during World War II, with destructive geopolitics. Arthur C Clark in his speculative books offered an alternative vision of wonder that is indifferent to human interaction. Meanwhile NASA planned and managed the space station like an earthbound corporation. Today, the market has arrived into outer space and exploration

is the plaything of superrich technology billionaires, who plan to privatise the mineral wealth for themselves. Are other worlds really possible? Bringing these figures and ideas together reveals a completely different story of our relationship with outer space, as well as the dangers of our current direction of extractive capitalism and colonisation"--

Date 2021
Language en
Short Title Space Forces
Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8000 S311
Place Brooklyn
Publisher Verso Books
ISBN 978-1-78663-735-2
of Pages 266
Date Added 1/15/2023, 3:36:26 PM
Modified 1/30/2025, 2:55:04 PM

Tags:

OUTER SPACE, History of Space Exploration

Spacefarers: How Humans Will Settle the Moon, Mars, and beyond

Item Type Book
Author Christopher Wanjek
Abstract "More than fifty years after the Apollo 11 moon landing, why is there so little human presence in space? Will we ever reach Mars? What will it take to become a multiplanet species, colonizing the solar system and traveling to other stars? Spacefarers meets these questions head on. While many books have speculated on the possibility of living beyond the Earth, few have delved into the practical challenges or plausible motives for leaving the safe confines of our home planet. Christopher Wanjek argues that there is little doubt we will be returning to the Moon and exploring Mars in the coming decades, given the potential scientific and commercial bonanza. Private industry is already taking a leading role and earning profits from human space activity. This can be, Wanjek suggests, a sustainable venture and a natural extension of earthbound science, business, and leisure. He envisions hoteling in low-earth orbit and mining, tourism, and science on the Moon. He also proposes the slow, steady development of science bases on Mars, to be followed by settlements if Martian gravity will permit reproduction and healthy child development. An appetite for wonder will take us far, but if we really want to settle new worlds, we'll need the earnest plans of engineers, scientists, and entrepreneurs. Wanjek introduces us to those planners, who are striving right now to make life in space a reality"--

Date 2020
Language en
Short Title Spacefarers

Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8000 W247
Place Cambridge, Massachusetts
Publisher Harvard University Press
ISBN 978-0-674-98448-6
of Pages 389
Date Added 1/15/2023, 3:39:07 PM
Modified 1/30/2025, 2:55:43 PM

Tags:

OUTER SPACE, Exploration, Astronautics and civilization, Interplanetary voyages

Notes:

Introduction: Pre-launch -- Living on earth -- Check up before count down -- Living in orbit -- Living on the Moon -- Living on asteroids -- Living on Mars -- Living in the inner and outer solar system and beyond -- Epilogue: Welcome home

Starborn: How the Stars Made Us (And Who We Would We without Them)

Item Type Book

Author Roberto Trotta

Abstract "Here's what it is about: For tens of thousands of years, the stars were our constant companions. In the glow of today's artificial lighting, when even professional astronomers study the universe by staring at screens rather than through eyepieces, we have forgotten this intimacy with the cosmos. Roberto Trotta is here to remind us: one of our species' most enduring and (literally) universal relationships has been with the night sky itself. In *Starborn*, cosmologist Trotta shows how stargazing has shaped the entire course of human civilization. The rhythm of our ancestors' lives revolved around the stars, from their cycles of agriculture to their patterns of birth. Our origin myths made the Sun into a life-giving creator and the Milky Way a gateway for departed souls. The motion of celestial bodies sustained the illusion that the Earth was at the center of the cosmos-until looking at them more closely sparked the Scientific Revolution. Across the ages stars have served as clocks, maps, compasses, muses, and gods, defining both our laws of reality and our dreams of the sublime. How radically different would humanity be, Trotta also asks, if our ancestors had looked up to the night sky and seen... nothing? In lyrical yet evidence-grounded meditations he imagines a world without stars, a dramatic alternate history in which we wouldn't understand gravity, where couldn't navigate or have much sense of time, and where our sense of the profound-of art and of the divine-was altered beyond recognition. Revealing the hidden connections between astronomy and the story of civilization, *Starborn* summons us to the marvelous sight that awaits us on a dark, clear night-to lose ourselves in the immeasurable vastness above"--

Date 2023

Language en
Short Title Starborn
Library Catalog Panel on Planetary Thinking
Call Number 009 US 2000 T858
Place New York
Publisher Basic Books
ISBN 978-1-5416-7477-6
Edition First edition
of Pages 336
Date Added 4/10/2024, 9:25:20 AM
Modified 1/28/2025, 4:38:32 PM

Tags:

History, OUTER SPACE, Outer space, Astronomy, Cosmology, Popular works, Science and civilization, Stars

Terraforming Mars

Item Type Book

Editor Martin Beech

Editor Joseph Seckbach

Editor Richard Gordon

Abstract This book provides a thorough scientific review of how Mars might eventually be colonized, industrialized, and transformed into a world better suited to human habitation. The idea of terraforming Mars has, in recent times, become a topic of intense scientific interest and great public debate. Stimulated in part by the contemporary imperative to begin geoengineering Earth, as a means to combat global climate change, the terraforming of Mars will work to make its presently hostile environment more suitable to life—especially human life. Geoengineering and terraforming, at their core, have the same goal—that is to enhance (or revive) the ability of a specific environment to support human life, society, and industry. The chapters in this text, written by experts in their respective fields, are accordingly in resonance with the important, and ongoing discussions concerning the human stewardship of global climate systems. In this sense, the text is both timely and relevant and will cover issues relating to topics that will only grow in their relevance in future decades. The notion of terraforming Mars is not a new one, as such, and it has long played as the background narrative in many science fiction novels. This book, however, deals exclusively with what is physically possible, and what might conceivably be put into actual practice within the next several human generations.

Date 2022

Language en

Library Catalog Panel on Planetary Thinking
Call Number 009 US 8400 B414

Place Hoboken
Publisher Wiley-Scrivener
ISBN 978-1-119-76196-9
Series Astrobiology perspectives on life in the universe
of Pages 566
Date Added 1/15/2023, 3:11:37 PM
Modified 1/30/2025, 2:57:30 PM

Tags:

OUTER SPACE, Astronomy, Ethics, Astrophysics, Astrobiology, Space Engineering, Space Travel
Engineering

Attachments

- Table of Contents PDF

The End of Astronauts: Why Robots Are the Future of Exploration

Item Type Book

Author Donald Goldsmith

Author Martin J. Rees

Abstract "Governments, companies, and private investors spend billions on astronaut-dependent space travel, but the work is dangerous and unhealthy to human bodies-so that executing missions may simply not be worth the cost. The future will be one of robots, heirs to the Perseverance rover on Mars, equipped with artificial intelligence and capable of autonomous exploration"--

Date 2022

Language en

Short Title The End of Astronauts

Library Catalog Panel on Planetary Thinking

Call Number 009 ZO 8200 G624

Place Cambridge, Massachusetts

Publisher The Belknap Press of Harvard University Press

ISBN 978-0-674-25772-6

of Pages 185

Date Added 1/15/2023, 3:48:09 PM

Modified 1/30/2025, 3:08:05 PM

Tags:

OUTER SPACE, Exploration, United States, Space robotics

Notes:

Introduction: From fireworks to spaceflight -- Why explore? -- Organizing space -- Near-earth orbit -- The moon -- Mars -- Asteroids -- Space colonization -- Costs and prospects of space exploration -- Space law -- Epilogue: Perspectives on space exploration in 2040-and far beyond

The Great Silence: The Science and Philosophy of Fermi's Paradox

Item Type Book
Author Milan M. Ćirković
Abstract Researchers believe that the universe is vast enough that life has evolved and become technological many times, - yet we have seen no trace of extraterrestrial intelligence. This conundrum, known as the Fermi paradox, is the deepest mystery in the search for extraterrestrial intelligence. Put simply, where is everybody?--
Date 2018
Language en
Short Title The Great Silence
Library Catalog Panel on Planetary Thinking
Call Number 009 US 9800 C578
Extra OCLC: on1005112701
Place Oxford, United Kingdom
Publisher Oxford University Press
ISBN 978-0-19-964630-2
Edition First edition
of Pages 395
Date Added 1/15/2023, 3:26:44 PM
Modified 1/30/2025, 3:11:57 PM

Tags:

OUTER SPACE, Fermi's paradox, Life on other planets

The History of Space Weather: From Babylon to the 21st Century

Item Type Book
Author Sten Odenwald
Abstract This book covers the history and science behind solar storms and space weather and how it has impacted human technology and thinking since the time of the ancient Babylonians. Using newspaper accounts and historical records, the many ways that space weather have impacted humans is explored from first-hand accounts. Also, the science behind space weather is explored starting with the birth of our sun, through modern supercomputer modeling of the Space Age. Space weather begins below the

surface of our sun and through solar flares, coronal mass ejections and the solar wind, washes ashore many diverse phenomena on our planet. Solar storms cause electrical power outages, satellite failures, shortwave radio interference and enhanced radiation doses to passengers on jets as well as astronauts working in space. This book begins with ancient reports of gods battling in the skies, and advances to telegraph interruptions in the 1800's described my numerous newspaper reports. Then in the 20th century we see radio broadcast interference, incidents during World War II and the Vietnam War, as well as a growing list of satellite malfunctions during the space age. Meanwhile, scientific knowledge grows by leaps and bounds as astronomers discover the sunspot cycle, and powerful telescopes begin to monitor the sun on the ground and in space to stay ahead of the sun's stormy weather. Today, the news media carry routine reports of impending storms and enterprising social media broadcasters give us up-to-the-minute detailed scientific reports of what to expect. Science continues to advance as powerful physics-based models are being run on supercomputers to anticipate the shape of the next sunspot cycle and how storm clouds spotted on the sun, may travel to Earth in the ensuing days to rock-and-roll our technology and even our psyches! Among its 370 pages, the book includes 296 B/W and full-color illustrations, hundreds of newspaper headlines, and extensive scientific background information describing all aspects of the human impacts of space weather. Also included is a chapter on DIY space weather forecasting in which you can download apps to your smartphone to monitor space weather, build your own magnetic storm detectors, or join citizen science groups where thousands of enthusiasts help scientists understand space weather even better.

Date 2021

Language en

Short Title The History of Space Weather

Library Catalog Panel on Planetary Thinking

Call Number 009 US 6700 O23

Publisher self-published

ISBN 979-8-7807-3866-4

of Pages 352

Date Added 1/15/2023, 3:06:11 PM

Modified 1/30/2025, 3:13:24 PM

Tags:

OUTER SPACE, Astronomy, Weather, History of Outer Space

The Little Book of Aliens

Item Type Book

Author Adam Frank

Abstract Everyone is curious about life in the Universe, UFOs and whether ET is out there. Over the course of his thirty-year career as an astrophysicist, Adam Frank has consistently been asked about the possibility of intelligent life in the universe. Are aliens real? Where are they? Why haven't we found them? What happens if we do?

We've long been led to believe that astronomers spend every night searching the sky for extraterrestrials, but the truth is we have barely started looking. Not until now have we even known where to look or how. Here, Frank, a leading researcher in the field, takes us on a journey to all that we know about the possibility of life outside planet Earth and shows us the cutting-edge science that has brought us to this unique moment in human history: the one where we go find out for ourselves

Date 2023
Language eng
Library Catalog Panel on Planetary Thinking
Call Number 000 US 9600 F828
Extra OCLC: 1371097906
Place New York, NY
Publisher Harper, an imprint of HarperCollins Publishers
ISBN 978-0-06-327973-5
Edition First Edition
Date Added 12/3/2025, 3:44:11 PM
Modified 12/3/2025, 4:52:53 PM

Tags:

OUTER SPACE, Astrophysics, Astrobiology, Kardashev Scale, Fermi Paradox, Extraterrestrial Life, Exoplanets, Space Observation

The Mars Project

Item Type Book
Author Wernher Von Braun
Abstract This classic on space travel was first published in 1953, when interplanetary space flight was considered science fiction by most of those who considered it at all. Here the German-born scientist Wernher von Braun detailed what he believed were the problems and possibilities inherent in a projected expedition to Mars. Today von Braun is recognized as the person most responsible for laying the groundwork for public acceptance of America's space program. When President Bush directed NASA in 1989 to prepare plans for an orbiting space station, lunar research bases, and human exploration of Mars, he was largely echoing what von Braun proposed in The Mars Project.
Date 1991
Language en
Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8500 V945
Place Urbana
Publisher University of Illinois Press
ISBN 978-0-252-06227-8

Edition Illini books ed
of Pages 112
Date Added 1/15/2023, 3:49:20 PM
Modified 1/30/2025, 3:21:31 PM

Tags:

OUTER SPACE, Space flight to Mars, Space ships

Notes:

Translation of: Das Mars project Reprint. Originally published: Urbana : University of Illinois Press, 1953
"An Illini book from the University of Illinois Press"--P. [4] of cover

The Overview Effect: Space Exploration and Human Evolution

Item Type Book
Author Frank White
Date 2014
Language en
Short Title The Overview Effect
Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8050 W584
Place Reston, Virginia
Publisher American Institute of Aeronautics and Astronautics, Inc
ISBN 978-1-62410-262-2
Series Library of flight
Edition Third edition
of Pages 342
Date Added 1/15/2023, 3:46:09 PM
Modified 1/30/2025, 3:25:39 PM

Tags:

OUTER SPACE, Exploration, Astronautics and civilization

Attachments

- White - 2014 - The Overview Effect Space Exploration and Human E.pdf

The Planets

Item Type Book

Author Andrew Cohen

Author Brian Cox

Abstract Mercury, a lifeless victim of the Sun's expanding power. Venus, once thought to be lush and fertile, now known to be trapped within a toxic and boiling atmosphere. Mars, the red planet, doomed by the loss of its atmosphere. Jupiter, twice the size of all the other planets combined, but insubstantial. Saturn, a stunning celestial beauty, the jewel of our Solar System. Uranus, the sideways planet and the first ice giant. Neptune, dark, cold and whipped by supersonic winds. Pluto, the dwarf planet, a frozen rock. Andrew Cohen and Professor Brian Cox take readers on a voyage of discovery, from the fiery heart of our Solar System, to its mysterious outer reaches. They touch on the latest discoveries that have expanded our knowledge of the planets, their moons and how they come to be, alongside recent stunning and mind-boggling NASA photography

Date 2020

Language en

Library Catalog Panel on Planetary Thinking

Call Number 009 US 8000 C678

Extra OCLC: 1148063153

Place London

Publisher William Collins

ISBN 978-0-00-828057-4

Edition William Collins paperback edition

of Pages 301

Date Added 1/15/2023, 3:09:23 PM

Modified 1/30/2025, 3:27:40 PM

Tags:

OUTER SPACE, Popular Science, Planets

The Smithsonian History of Space Exploration: From the Ancient World to the Extraterrestrial Future

Item Type Book

Author Roger D. Launius

Abstract Former NASA and Smithsonian space curator and historian Roger D. Launius presents a comprehensive history of our endeavors to understand the universe, honoring millennia of human curiosity, ingenuity, and achievement. This extensive study of international space exploration is packed with over 500 photographs, illustrations, graphics, and cutaways, plus plenty of sidebars on key scientific and technological developments, influential figures, and pioneering spacecraft. Starting with space exploration's origins in the pioneering work undertaken by ancient civilizations and the great discoveries of the Renaissance thinkers, Launius also devotes whole chapters to our space race to the Moon, space planes and orbital stations, and the lure of the red

planet Mars. He also offers new insights into well-known moments such as the launch of Sputnik 1 and the Apollo Moon landing and explores the unexpected events and hidden figures of space history. The final chapters cover the technological and mechanical breakthroughs enabling humans to explore far beyond our own planet in recent decades, speculating on the future of space exploration, including space tourism and our possible future as an extraterrestrial species. This is a must-read for space buffs and everyone intrigued by the history and future of scientific discovery.

Date 2018

Language en

Short Title The Smithsonian History of Space Exploration

Library Catalog Panel on Planetary Thinking

Call Number 009 ZO 8050 L376

Place Washington, DC

Publisher Smithsonian Books

ISBN 978-1-58834-637-7

of Pages 400

Date Added 1/15/2023, 3:43:51 PM

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Tags:

History, OUTER SPACE, Astronautics, Exploration History, Manned space flight, Space flight to Mars

Notes:

Laying the foundations for space exploration -- World War II paves the way for space exploration -- Making space exploration real -- The space age dawns -- The race to the moon -- New nations, new missions -- Space planes and orbital stations -- The lure of the Red Planet -- Beyond Mars -- Transterrestrial expectations

The space economy: capitalize on the greatest business opportunity of our lifetime

Item Type Book

Author Chad Anderson

Abstract "Numerous narratives have been published on the space race in the past few years, but no definitive, prescriptive book has been published about what it means for entrepreneurs and investors. The Space Economy fills that gap and explains how the average person can capitalize on the space economy. The Space Economy summarizes the events that have opened the space economy with an eye toward the trillion-dollar investment opportunity they have created. From current opportunities for entrepreneurs and investors in geospatial technology and satellite communications to emerging markets in commercial spaceflight and tourism, the book explains where and how to participate in the markets of the future"--

Date 2023

Language en
Short Title The space economy
Library Catalog Panel on Planetary Thinking
Call Number 009 ZO 8000 A545
Place Hoboken, New Jersey
Publisher John Wiley & Sons, Inc
ISBN 978-1-119-90372-7
of Pages 228
Date Added 6/14/2023, 6:41:03 PM
Modified 6/14/2023, 6:41:38 PM

Tags:

OUTER SPACE, Exploration Economic aspects, Finance, Investments, Outer space, Space industrialization, Space launch industry

Notes:

To See the Future of Your Job, Your Investments, and the Economy, Look Up: Space is the Next Big Thing -- Mapping The Space Economy: Understanding the Ecosystem and its Key Players -- Chief Orbital Officer: Profiles in Space Economy Entrepreneurship -- No Overhead: How and Why to Start a Business in the Space Economy -- Charting a Trajectory: Co-founders, Customers, and Capital -- From Apollo to SpaceX and beyond: The Fall and Rise of American Space Ambitions and the Future of Public-Private Partnerships -- Buy Low, Sell Very High: Investing in the Space Economy -- Navigating Space Careers: Seizing the Opportunity of a Lifetime -- Winning the War for Talent: A Guide to Recruiting and Retaining "The Right Stuff" -- The Future of the Space Economy: What Happens When Orbit is Cheap, Easy, and Safe? -- Conclusion

Universe: The Definitive Visual Guide

Item Type Book
Author DK
Editor Martin Rees
Abstract Universe opens with a look at astronomy and the history of the Universe, using 3D artworks to provide a comprehensive grounding in the fundamental concepts of astronomy, including the basic techniques of practical astronomy. The core of the book is a tour of the cosmos covering the Solar System, the Milky Way, and galaxies beyond our own. Explanatory pages introduce different celestial phenomena, such as galaxies, and are followed by catalogues that profile the most interesting and important examples. A comprehensive star atlas completes the picture, with entries on each of the 88 constellations and a monthly sky guide showing the night sky as it appears throughout the year as viewed from both the northern and southern hemispheres.
Date 2020
Language en

Short Title Universe
Library Catalog Panel on Planetary Thinking
Call Number 009 UB 5260 R328
Extra OCLC: on1180197965
Place London
Publisher Dorling Kindersley Limited
ISBN 978-0-241-41274-9
of Pages 528
Date Added 1/15/2023, 2:56:13 PM
Modified 1/30/2025, 4:20:31 PM

Tags:

OUTER SPACE, Astronomy, Cosmology, Popular works, Universe

Notes:

Includes Index

What is the universe? -- The beginning and the end of the universe -- The view from Earth -- The solar system -- The Milky Way -- Beyond the Milky Way -- The constellations -- Monthly sky guide

Worlds without End: Exoplanets, Habitability, and the Future of Humanity

Item Type Book
Author Chris Impey
Abstract "WORLDS WITHOUT END: EXOPLANETS, HABITABILITY, AND THE FUTURE OF HUMANITY will present the scientific missions exploring exoplanets through the lens of habitability and our survival in the universe"--
Date 2023
Language en
Short Title Worlds without End
Library Catalog Panel on Planetary Thinking
Call Number 009 US 7400 I34
Place Cambridge, Massachusetts
Publisher The MIT Press
ISBN 978-0-262-04766-1
of Pages 368
Date Added 6/14/2023, 6:38:16 PM
Modified 1/30/2025, 4:31:49 PM

Tags:

OUTER SPACE, Outer space, Exploration, Extrasolar planets, Habitable planets

Notes:

Searching for distant worlds -- The visionaries -- Doppler wobble -- Chasing shadows -- Seeing is believing -- Calling Pandora -- The next wave -- Milky Way census -- Habitability and the exoplanet zoo -- Gas giants -- Ice giants -- Water worlds -- Earth clones -- Exomoons -- Rogue planets -- The search for life beyond Earth -- The solar system -- Sniffing biosignatures -- Send in the nanobots -- ET phone home -- Energy footprints -- The Drake equation -- Fermi's question -- The promise of space exploration -- Habitable Earth -- Space boom -- How to get to space -- Going to the moon and Mars -- Mining asteroids -- Living beyond Earth