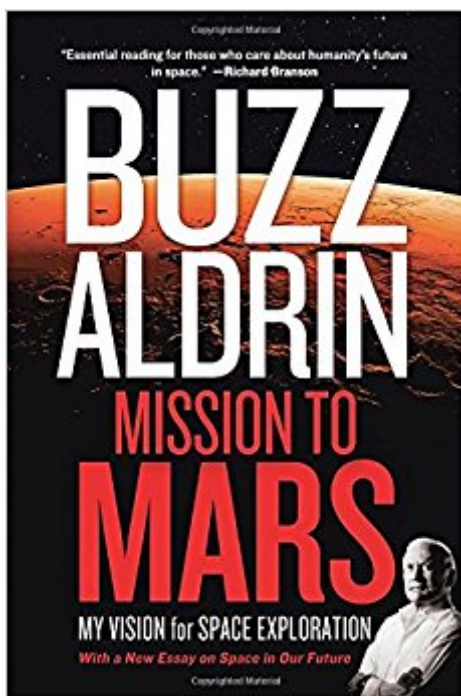


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# Mission To Mars: My Vision For Space Exploration



## Synopsis

Can astronauts reach Mars by 2035? Absolutely, says Buzz Aldrin, one of the first men to walk on the moon. Celebrated astronaut, brilliant engineer, bestselling author, Aldrin believes it is not only possible but vital to America's future to keep pushing the space frontier outward for the sake of exploration, science, development, commerce, and security. What we need, he argues, is a commitment by the U.S. President as rousing as JFK's promise to reach the moon by the end of the 1960s—an audacious, inspiring goal—and a unified vision for space exploration. In *Mission to Mars*, Aldrin plots that trajectory, stressing that American-led space exploration is essential to the economic and technological vitality of the nation and the world. Do you dare to dream big? Then join Aldrin in his thought provoking and inspiring *Mission to Mars*.

## Book Information

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## Customer Reviews

Since sharing the spotlight with Neil Armstrong during the first moon landing in 1969, Aldrin has made good use of his celebrity status to promote space exploration at every opportunity, appearing in films, lending his voice to a Simpsons episode, and even recording a rap song with Snoop Dogg to benefit his nonprofit foundation, ShareSpace. For his latest project, a book-length outline of, among other things, his vision for regular sojourns to Mars, Aldrin adopts a more sober tone. After a laudatory foreword by his son Andrew, Aldrin begins by calling for a new nongovernmental, U.S.-led space advisory group, then wholeheartedly endorses commercial space travel for paying passengers. He then lays out his blueprint for establishing a base on Mars involving a novel

“flexible path” approach, with Mars moon Phobos as a docking station. No one will consider Aldrin a first-rate author, even with help from veteran journalist David, but his ideas are undeniably provocative and guaranteed to stir controversy among both amateur and professional space-travel enthusiasts. --Carl Hays --This text refers to the Hardcover edition.

"Colonizing space is essential for the long term survival of the human race, and Buzz Aldrin's book shows us how." --Stephen Hawking "Buzz Aldrin has been as far from Earth as any human being, and now he's leading the charge to go much farther, to our next epic destination: Mars." --James Cameron "Any time an Apollo-era astronaut steps forward with ideas for our future in space, it's time to stop what whatever we're doing and pay attention. Buzz Aldrin, one of the first moonwalkers, has no shortage of these ideas. And in Mission to Mars he treats us to how, when, and why we should travel there." --Neil deGrasse Tyson "Buzz is one of the foremost forward thinkers of our time and this book will be essential reading for those who care about humanity's future in space." --Richard Branson "Although the lunar landing is decades behind him, Dr. Aldrin is just plain passionate about humankind's exploration of space. An extraordinary pilot, scuba diver, moonwalker, and the first man to board a spacecraft on its way back to Earth, he advises us to keep going farther and deeper into space. Page by page, this book makes you want to slide into your space suit and light your engines." --Bill Nye, The Science Guy "A masterful array of strategies for exploration by a true space expert and patriot." --Michael Collins, astronaut and command module pilot, Apollo 11 "Aldrin calls for systematic investment to establish a cycle of transportation and sustained, permanent settlements on the Red Planet." --NPR "Talk of the Nation" "Mission to Mars is pure Buzz: creative ideas flying off the pages, a big picture view of how to move forward, and a laser-like focus on why space exploration is key to humanity's future. Buzz Aldrin has been making major contributions to the U.S. space program for a half century, and his new book continues that tradition." --John M. Logsdon, founder of the Space Policy Institute and professor emeritus, The George Washington University "I've traveled to the North Pole with Buzz, and if I were to travel to Mars I can't think of a better person to plan the trip than he. Sign me up!" --Norm Augustine, Chairman, U.S. Human Spaceflight Review Committee "Buzz Aldrin's Mission to Mars presents a bold, inviting plan to colonize Mars. His call that the Earth isn't the only world for

us anymore. It is incontrovertible. — Roger D. Launius, Senior Curator, Division of Space History, National Air and Space Museum — “No one’s given more thought to Mars exploration than Buzz Aldrin — a hero whose legacy as one of the first men on the moon may well be eclipsed by his contributions to engineering our future in space.” — Elliot Holokauahi Pulham, CEO, The Space Foundation “Mission to Mars” is a white paper for getting us back on track, complete with math, science, and diagrams — though Aldrin and his coauthor put it all together with clear and quick-moving prose.” — The Weekly Standard — “There are places to go beyond belief, and this book is the call to get there.” — Chris Lewicki, President & Chief Asteroid Miner, Planetary Resources “Aldrin’s hand-drawn diagrams throughout the book offer a uniquely human glimpse at what must be going through an astronaut’s mind as he looks up at the night sky.” — Washington Post “A blend of reminisces, snippets of mission and policy concepts, and revisited analyses of the space landscape to-date.” — Space Safety Magazine — “A detailed, multi-stage plan for journeying to the red planet that would culminate in the first permanent human settlement beyond the Earth.” — Smithsonian Magazine “Aldrin wants to inspire the next generation.” — International Business Times — “A critique of current space policy, examining the economic, political and technological viability of various options to explore the solar system.” — ZeeNews.com — “While the title focuses on Mars, the book covers much more... What Aldrin calls his “unified vision” could provide a timeline of crewed missions to Mars between 2035-2040.” — Universe.com — “Aldrin’s new book [charts] a course that could put astronauts on the surface of Mars by 2035.” — MSNBC “[Aldrin] believes the time has come to broaden our horizons- and rediscover once again the spirit of exploration.” — BeforeItsNews.com “Aldrin outlines his vision for the permanent human settlement of Mars.” — EuroNews.com

I wish the current generation could have grown up with the space race as I did. I had real heroes like the Apollo astronauts. Buzz Aldrin was called “Dr. Rendezvous” for his work perfecting space rendezvous procedures. He was also the second man on the moon (Armstrong got to be first because the U.S. wanted to put a civilian on the moon first.) Given his credentials and his passion for exploration, it’s no surprise Buzz is advocating for an even bigger adventure. If you have seen the movie “The Martian” you will see that some of their source material must have come from Aldrin’s work. Enjoy this book as part nostalgia, part technical manual, part futuristic imagination. Dare to dream as we once did. Or just look at the pictures and diagrams—everything about this book is excellent!

Mars has beckoned for years. The "The Case for Mars" and "Entering Space" gave a powerful case for why we must go into the final frontier. So do books like "Mining The Sky," "Return to the Moon" and "The Survival Imperative." But our backwards-looking, selfish government has straight-jacketed our space efforts for decades. Finally, as Buzz describes, private industry is taking the initiative. They are changing NASA. Will NASA be allowed to blaze new trails again? Push the envelope in concert with entrepreneurs? Buzz knows we could have reached Mars by now, but here he gives his plan on how and why. He largely uses his own patented ideas for his mission plan, and perhaps his book is not as moving and detailed as the Zubrin volumes, but Buzz has been there. Ever since his historic flight he has fought for America to get its noses out of their televisions and Twitter and dare to make history again. Will people listen? Is the time right? Let us hope so. No, let us make it so.

I am pleased that I read this book. Having walked on the moon qualifies him for a first read but the strength of his argument for a journey to Mars qualifies him for a second. His contacts and sharing of ideas with heavy hitters in the space travel world strengthens the book further. It has enough detail to make his appeal credible but is general enough in its scope to be enjoyable to read. The real clincher for me was his examination of the possible trajectories and methods to employ. I found the idea of minimising energy costs by 'hitching a ride' on larger craft in "perpetual cycling orbits" between Earth and Mars quite an exciting idea. I only have one complaint. Buzz does discuss the trend from manned to robotic missions in some depth, but I think that the trend from national to international programs (like that from government monopolies to private companies) represents the near future of spacefaring well enough to make his appeal to maintain American primacy in space uncomfortable to me as a member of his international audience and, I suspect, counterproductive. I would recommend this book to anybody interested in spacefaring.

Astronaut Buzz Aldrin has firm ideas for how we get to Mars, not just pie in the sky "if money were no object" ideas, but real world ideas that can (and should!) be put into action immediately. This book offers details, designs, ideas and rationale behind workable ideas for extended manned space flight. I found the narrative a little rambling from time to time, but the ideas are inspirational and convincing. I highly recommend this book to anyone interested in reaching out beyond the moon, interested in manned space flight in general, or interested in Buzz Aldrin. I am inspired, encouraged, and impressed. I hope we can implement some plan and get moving again!

Great book, definitely Buzz Aldrin material, if you are a person that loves space travel, then this is a great way to continue chasing that dream. I am an aerospace engineer and to be honest my respect to Buzz. Some people are too hard on him on the reviews, but seriously come on, how many of you have been to the moon. I am sure he knows where NASA and commercial space travel is going.

Buzz presents in an understandable manner concepts, theory and enthusiasm for deep space and Mars exploration. This is a must read for our next generations of engineers and explorers. And we must continue to encourage them.

In this book, Buzz Aldrin outlines a vision of planetary exploration, including the development of new rockets, a lunar base, a mission to an asteroid, bases on the Martian moons Phobos and Deimos, and finally landing and development of the red planet by 2035. It is an aggressive but realistic timeline and one to arouse excitement. It covers most of the major technologies needed to make the vision possible, though not all in great depth. Two faults prevent me from giving this book a full five stars. First, the book descends into sloganeering at a number of points and uses what--and I deeply regret that I am compelled to make use of the pun--must be called buzz words. Second, the author does betray a rather strong ego throughout the book and often makes the book about himself in a way that detracts from the subject matter. Despite these flaws, I recommend it to space and science enthusiasts.

With a special insight that few others can provide, Buzz offers a clear and concise analysis of what is required to build a path to exploring our neighbor - Mars, effectively and economically, then shows us how to do so without breaking the bank or without having to reinvent the wheel. Well written and nicely readable. It's also easy to use as a resource for future reference.

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