



AMY SHIRA TEITEL

# BREAKING THE CHAINS OF GRAVITY

THE STORY OF SPACEFLIGHT BEFORE NASA

BLOOMSBURY

# Online Breaking Chains Gravity Spaceflight Before

**Xiang Xie**

## **Online Breaking Chains Gravity Spaceflight Before:**

Human Spaceflight Adam Furgang,2017-07-15 In 1961 Russian cosmonaut Yury Gagarin became the first person to orbit Earth Now more than a half century later huge advances have been achieved in spaceflight Humans have walked on the moon lived in orbit around Earth on space stations and are now looking to Mars as the next frontier This easy to understand narrative presents the Cold War s space race the effects of spaceflight on humans what is required to become an astronaut and how NASA and private companies are embracing the future of spaceflight     *Star Bound* Emily Carney,Bruce McCandless,2025 Star Bound is a satellite s eye view of the history of American space exploration for readers interested in the drama dreams and daring that produced the nation s first ventures into the cosmos     **Nuking the Moon** Vince Houghton,2019-11-07 Compulsively readable laugh out loud history Mary Roach Bomb carrying bats Poisoned flower arrangements Cigars laced with mind altering drugs Listening devices implanted into specially trained cats A torpedo proof aircraft carrier made out of ice and sawdust And a CIA plan to detonate a nuclear bomb on the moon just because In Nuking the Moon Vince Houghton Historian and Curator at the International Spy Museum collects the most inspired implausible and downright bizarre military intelligence schemes that never quite made it off the drawing board From the grandly ambitious to the truly devious they illuminate a new side of warfare revealing how a combination of desperation and innovation led not only to daring missions and brilliant technological advances but to countless plans and experiments that failed spectacularly Alternatively terrifying and hilarious and combining archival research with newly conducted interviews these twenty six chapters reveal not only what might have happened but also what each one tells us about the history and people around it If military intelligence makes you think of James Bond and ingenious exploding gadgets get ready for the true story

*Breaking the Chains of Gravity* Amy Shira Teitel,2015-10-22 The incredible story of spaceflight before the establishment of NASA NASA s history is a familiar story one that typically peaks with Neil Armstrong taking his small step on the Moon in 1969 But America s space agency wasn t created in a vacuum It was assembled from pre existing parts drawing together some of the best minds the non Soviet world had to offer In the 1930s rockets were all the rage in Germany the focus both of scientists hoping to fly into space and of the German armed forces looking to circumvent the restrictions of the Treaty of Versailles One of the key figures in this period was Wernher von Braun an engineer who designed the rockets that became the devastating V 2 As the war came to its chaotic conclusion von Braun escaped from the ruins of Nazi Germany and was taken to America where he began developing missiles for the US Army Meanwhile the US Air Force was looking ahead to a time when men would fly in space and test pilots like Neil Armstrong were flying cutting edge rocket powered aircraft in the thin upper atmosphere Breaking the Chains of Gravity tells the story of America s nascent space program its scientific advances its personalities and the rivalries it caused between the various arms of the US military At this point getting a man in space became a national imperative leading to the creation of the National Aeronautics and Space Administration

otherwise known as NASA Scientific and Technical Aerospace Reports ,1985

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