

Prelude to the Space

The Rocket Societies: 1924-1945

by Frank H. Winter



Prelude To The Space Age The Rocket Societies 1924 194

Yicheng Fang



Prelude To The Space Age The Rocket Societies 1924 194:

Prelude to the Space Age Frank H. Winter, 1983 **Die Spur des Sputnik** Igor J. Polianski, 2009-11-09 Der Start des sowjetischen Satelliten Sputnik am 4 Oktober 1957 löste im Westen einen Schock aus während er für die Sowjetunion eine neue kosmische Ära einleitete. Doch der Sputnik Flug hatte nicht nur technische und politische Bedeutung. Erstmals gehen die Autorinnen und Autoren in diesem Band auch den grundlegenden kulturellen Wandlungen nach, die aus dem Beginn der Raumfahrt resultierten. Das Themenspektrum reicht von der Veränderung des kollektiven Zeitempfindens und der Raumästhetik über Wandlungen in der visuellen Kultur der Sowjetunion bis zu ideengeschichtlichen und literarischen Adaptionen der Weltraumfaszination.

Rockets Into Space Frank H. Winter, 1990 Since ancient times men and women have dreamed of soaring among the stars but only in this century has that dream been realized. In *Rockets into Space* Frank Winter tells the fascinating story of the modern launch vehicle from the mythological musings of the Babylonians and Greeks to the present day reality of manned and unmanned space flight. In concise yet comprehensive chapters dense with anecdotal detail Winter tracks the theoretical formulations and technological breakthroughs that have charted the evolution of rocket propulsion and vehicle design. He pays particular attention to the remarkable contributions of pioneers Konstantin Tsiolkovsky, Robert Goddard, Hermann Oberth, Eugen Sänger and Sergei Korolev whose genius and vision paved the way for later innovation. He describes the clandestine development of the V 2 rocket in Germany under the technical leadership of Wernher von Braun and its dramatic impact on postwar rocket research and satellite development in the United States and the Soviet Union. He also chronicles the complex events of the last three decades which have produced ever more sophisticated rockets capable of launching larger payloads from weapons to weather and communications satellites. Finally he surveys exotic propulsion systems: nuclear, electric, solar, photon, laser that lie on the frontiers of science today but that will shape the spaceflight and space policy decisions of tomorrow. *Rockets into Space* is an authoritative, entertaining guidebook for all who are interested in the history of space travel.

This New Ocean William E. Burrows, 2010-09-29 It was all part of man's greatest adventure: landing men on the Moon and sending a rover to Mars, finally seeing the edge of the universe and the birth of stars and launching planetary explorers across the solar system to Neptune and beyond. The ancient dream of breaking gravity's hold and taking to space became a reality only because of the intense cold war rivalry between the superpowers with towering geniuses like Wernher von Braun and Sergei Korolyov shelving dreams of space travel and instead developing rockets for ballistic missiles and space spectacles. Now that Russian archives are open and thousands of formerly top secret U.S. documents are declassified, an often startling new picture of the space age emerges: the frantic effort by the Soviet Union to beat the United States to the Moon was doomed from the beginning by gross inefficiency and by infighting so treacherous that Winston Churchill likened it to dogs fighting under a carpet. There was more than science behind the United States suggestion that satellites be launched during the International Geophysical Year and in one crucial respect Sputnik was a

godsend to Washington the hundred odd German V 2s that provided the vital start to the U S missile and space programs legally belonged to the Soviet Union and were spirited to the United States in a derring do operation worthy of a spy thriller despite NASA s claim that it was a civilian agency it had an intimate relationship with the military at the outset and still does a distinction the Soviet Union never pretended to make constant efforts to portray astronauts and cosmonauts as Boy Scouts were often contradicted by reality the Apollo missions to the Moon may have been an unexcelled political triumph and feat of exploration but they also created a headache for the space agency that lingers to this day This New Ocean is based on 175 interviews with Russian and American scientists and engineers on archival documents including formerly top secret National Intelligence Estimates and spy satellite pictures and on nearly three decades of reporting The impressive result is this fascinating story the first comprehensive account of the space age Here are the strategists and war planners engineers and scientists politicians and industrialists astronauts and cosmonauts science fiction writers and journalists and plain ordinary unabashed dreamers who wanted to transcend gravity s shackles for the ultimate ride The story is written from the perspective of a witness who was present at the beginning and who has seen the conclusion of the first space age and the start of the second

American Military History Daniel K. Blewett, 2009 In this companion volume to his 1995 bibliography of the same title Daniel Blewett continues his foray into the vast literature of military studies As did its predecessor it covers land air and naval forces primarily but not exclusively from a U S perspective with the welcome emergence of small wars from publishing obscurity In addition to identifying relevant organizations and associations Blewett has gathered together the very best in chronologies bibliographies biographical dictionaries indexes journals abstracts glossaries and encyclopedias each accompanied by a brief descriptive annotation This work remains a pertinent addition to the general reference collections of public and academic libraries as well as special libraries government documents collections military and intelligence agency libraries and historical societies and museums

Frontiers of Space Exploration Roger D. Launius, 1998 The most up to date one stop source of information analysis biographical profiles and key primary documents on space exploration

Journal of the British Interplanetary Society, 1982

How We Got to the Moon Marsha Freeman, 1993 Prologue by Konrad Dannenberg Hermann Oberth the father of space travel The battle of the formulae From theory to experimentation Peenemunde a scientific mobilization How the A 4 rocket became the V 2 Coming to America Operation Paperclip The space age begins Willy Ley rallies the nation for space Wernher von Braun the Columbus of space Krafft Ehrliche s extraterrestrial imperative

Complete Catalog Smithsonian Institution. Press, 1988

Books in Print, 1977

Paperbound Books in Print, 1983

Dawn of the Space Age Harry Harper, 1946

The Coming of the Space Age Arthur Charles Clarke, 1967

The Conquest of Space David Lasser, 2002 David Lasser stands as one of the least known but extraordinary pioneers of spaceflight In 1930 he founded the American Interplanetary Society AIAA the same year he wrote this book the first book ever written in the English language to address the notion of spaceflight as a serious

possibility The book has not been in print since 1931 and yet it still stands up to scrutiny The lucid style with which Lasser explains the basic concepts of rocketry make it a delight for anyone to read To a Distant Day Chris Gainor,2020-04-01 Insightful instructive and definitely worth the read Greg Andres Journal of the Royal Astronomical Society of Canada As someone who has been teaching a course on space exploration for many years and has visited most of NASA s space centers I have found plenty of new and valuable material in To a Distant Day I recommend the book to all who wish to know more about the conditions people and discoveries between 1890 and 1960 that led to the space age Pangratios Papacosta Physics Today Although the dream of flying is as old as the human imagination the notion of rocketing into space may have originated with Chinese gunpowder experiments during the Middle Ages Rockets as both weapons and entertainment are examined in this engaging history of how human beings acquired the ability to catapult themselves into space Chris Gainor s irresistible narrative introduces us to pioneers such as Konstantin Tsiolkovsky Robert Goddard and Hermann Oberth who pointed the way to the cosmos by generating the earliest wave of international enthusiasm for space exploration It shows us German engineer Wernher von Braun creating the V 2 the first large rocket which though opening the door to space failed utterly as the wonder weapon it was meant to be From there Gainor follows the space race to the Soviet Union and the United States giving us a close look at the competitive hysteria that led to Sputnik satellites space probes and finally human flight into space in 1961 As much a story of cultural ambition and personal destiny as of scientific progress and technological history To a Distant Day offers a complete and thoroughly compelling account of humanity s determined efforts sometimes poignant sometimes amazing sometimes mad to leave the earth behind This New Ocean William E. Burrows,1998 Just in time for John Glenn s next flight a history of space from an expert **Blazing the Trail** Mike Gruntman,2004 Winner of the Luigi Napolitano Award 2006 from the International Academy of Astronautics This book presents the fascinating story of the events that paved the way to space It introduces the reader to the history of early rocketry and the subsequent developments that led into the space age People of various nations and from various lands contributed to the breakthrough to space and the book takes the reader to faraway places on five continents It also includes many quotes to give readers a flavor of how the participants viewed the developments Most publications on the topic either target narrow aspects of rocket history or are popular books that scratch the surface with minimal and sometimes inaccurate technical details This book bridges the gap It contains numerous technical details usually unavailable in popular publications The details are not overbearing and anyone interested in rocketry and space exploration will navigate through the book without difficulty There are 340 figures and photographs many appearing for the first time

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