

# **SPACE WEAPONS AND U.S. STRATEGY**

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Origins and Development

Paul B. Slans

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# Space Weapons And Us Strategy Origins And Development

**James Fergusson, Wilson W.S. Wong**



## **Space Weapons And Us Strategy Origins And Development:**

Space Weapons and U.S. Strategy Paul B. Stares, 2021-01-26 This book first published in 1985 analyses the factors that have shaped the militarization of space By examining in great detail the determinants of U S policy it explains why for over 25 years space did not become the scene of an arms race and why this began to change in the late 1970s Both superpowers did however develop a limited anti satellite capability in the 1960s and these programmes are also discussed **Space**

**Weapons and US Strategy** Paul B. Stares, 1985 US Presidents and the Militarization of Space, 1946-1967 Sean N. Kalic, 2012-05-02 In the clash of ideologies represented by the Cold War even the heavens were not immune to militarization Satellites and space programs became critical elements among the national security objectives of both the United States and the Soviet Union According to US Presidents and the Militarization of Space 1946 1967 three American presidents in succession shared a fundamental objective of preserving space as a weapons free frontier for the benefit of all humanity Between 1953 and 1967 Presidents Eisenhower Kennedy and Johnson all saw nonaggressive military satellite development as well as the civilian space program as means to favorably shape the international community s opinion of the scientific technological and military capabilities of the United States Sean N Kalic s reinterpretation of the development of US space policy based on documents declassified in the past decade demonstrates that a single vision for the appropriate uses of space characterized American strategies across parties and administrations during this period Significantly Kalic s findings contradict the popular opinion that the United States sought to weaponize space and calls into question the traditional interpretation of the space race as a simple action reaction paradigm Indeed beyond serving as a symbol and ambassador of US technological capability its satellite program provided the United States with advanced nonaggressive military intelligence gathering platforms that proved critical in assessing the strategic nuclear balance between the United States and the Soviet Union It also aided the three administrations in countering the Soviet Union s increasing international prestige after its series of space firsts beginning with the launch of Sputnik in 1957 **Analysis of G/LEO Kinetic Bombardment**

**and Application to National Security Strategies for Full-Spectrum Military Interoperability** Ramsey Elbasheer, 2014-05-01 The objective of this study centralized on the analysis of a kinetic bombardment long rod penetrator system and its evident processes ramifications and applications Applications spanned three broad operational intentions deep bunker breach intercontinental strike capability and preeminence over terrestrial forces without matched investment The ambition of a viable Kinetic Bombardment Orbital Mechanism KBOM is for the cost in its entirety from being put into orbit to maintenance and ejecting payloads to be less than or equal to the same amount of marginal effort required to build maintain and launch the required number of ICBMs to complete a given set of tactical objectives Eleven potential Kinetic Bombardment Rod KBR configurations were initially developed varying between two forms standard tungsten carbide rods and tungsten carbide rods equipped with thermobaric warheads Through an Analysis of Alternatives AoA down select process

a final standard tungsten carbide rod composition was selected for use as a case example for further investigation It is concluded that as policies are shaped to allow less restricted military activity in space kinetic bombardment systems will be acquired in response to distinct international events or threats Peer nations seeking to match U S general terrestrial forces without matching U S investment may also look to acquire orbital defense satellites In regards to nations such as the United States that already own weapons effective against all classes of targets kinetic bombardment systems will only become viable prospects once launch costs decline with the development of reusable launch vehicles This study makes the beginning but surely not the whole case for the long pursued concept of orbital defense satellites as the obstacles that once stood in the way recede While it does not however suggest or constitute the immediate development of such a project it perhaps constitutes its future consideration

**The International Politics of Space** Michael Sheehan,2007-10-15 This book examines the interaction of international politics and space using case studies and various theoretical approaches to international relations

**Star Wars and European Defence** Hans Gunter Brauch,1987-06-18

**Justifying Ballistic Missile Defence** Columba Peoples,2010 Examines the ways in which views of technology have been used in debates over ballistic missile defence

*Soviet Strategic Arms Policy Before SALT* Christoph Bluth,1992-03-12 In this book Dr Christoph Bluth presents an original analysis of the build up of Soviet strategic forces from the death of Stalin to the SALT I agreement The author is able to demonstrate how domestic priorities and internal power struggles account for the seeming inconsistencies of Soviet military and foreign policy

**Military Space Power** James Fergusson,Wilson W.S. Wong,2010-02-26 This handbook examines the militarization of space providing a fair and balanced discussion of the emerging issues concerning space security and defense The militarization of space is already underway with unpredictable consequences for the way war will be conducted in the future

**Military Space Power A Guide to the Issues** examines the militarization of space from historical technological and geopolitical angles It traces space militarization from concepts proposed before World War II through the use of space for military surveillance and communications purposes to the actual deployment of weapons that pass through high altitude space such as ballistic missiles and nuclear armed interceptors The book focuses on the main space pioneers like the United States Russia and China but also includes discussion of potential future players It looks at the state of current space technology but also projects how recent inventions or new discoveries might be weaponized for the space environment And it analyzes how the militarization of space might influence international relations The result is a fair and balanced discussion of the emerging issues concerning space security and defense

*The Sputniks Crisis and Early United States Space Policy* Rip Bulkeley,1991-06-18 An examination of American space policy in the 12 years after World War II and in particular of the reaction provoked by the launching of the first Sputnik satellite in 1957 In the author s opinion the truth of what occurred in this period has been clouded by confusion and misinformation

**Reconsidering Sputnik** Roger D. Lanius,John M. Logsdon,Robert W. Smith,2013-05-13 This book explores Russia s

stunning success of ushering in the space age by launching Sputnik and beating the United States into space It also examines the formation of NASA the race for human exploration of the moon the reality of global satellite communications and a new generation of scientific spacecraft that began exploring the universe An introductory essay by Pulitzer Prize winner Walter A McDougall sets the context for Sputnik and its significance at the end of the twentieth century

**Times of the Technoculture** Kevin Robins, Frank Webster, 2003-09-02 Times of the Technoculture explores the social and cultural impact of new technologies tracing the origins of the information society from the coming of the machine with the industrial revolution to the development of mass production techniques in the early twentieth century The authors look at how the military has controlled the development of the information society and consider the centrality of education in government attempts to create a knowledge society Engaging in contemporary debates surrounding the internet Robins and Webster question whether it can really offer us a new world of virtual communities and suggest more radical alternatives to the corporate agenda of contemporary technologies

*The Russian Nuclear Shield from Stalin to Yeltsin* J. Mathers, 2000-08-09 This book makes extensive use of Soviet sources to provide the first full analysis of Moscow's ballistic missile defence policy from its origins to the most recent post Soviet developments It considers the Soviets motivations for pursuing an anti ballistic missile capability and the extent of their success and reveals that ballistic missile defence policy was used by every political leadership from Krushchev to Yeltsin as a means of sending signals about Moscow's intentions to the West

**Commercial Satellite Imagery and United Nations Peacekeeping** Rob Huebert, 2017-05-15 This book examines the possibilities for the use of satellite imagery in support of UN peacekeeping operations and also to protect the national security of Canada Experts in the field discuss the needs of peacekeeping operations the requirements for the use of such imagery and the capabilities for providing it The organizational political and other issues which arise from the use of such imagery are also given careful consideration

**The Final Frontier** Dale Carter, 2020-05-05 Stunned by the news of Sputnik in 1957 the American public were to be treated over the next dozen years to the spectacle of an all out national crusade the race to beat the Russians to the moon What few understood at the time and what has largely been obscured in popular representations of this episode in movies and bestsellers was the key economic and technical role played by manned space exploration in post war US capitalist expansion From Potsdam to Cape Canaveral the yellow brick road twisted and turned but its ultimate goal remained clear the Oz of global American economic and political domination Taking off from that masterpiece of American fiction Thomas Pynchon's *Gravity's Rainbow* Dale Carter tells the lurid tale of the postwar boom through the history of the manned space program Salvaged from the ashes of Nazi Germany Pynchon's *Oven State* as US officials rounded up the Third Reich's leading V 2 scientists the American Rocket State embarked on an upward path that would culminate in the epochal voyage of Apollo XI in 1969 Following this path Carter gives an innovative brilliant account of American culture and society during the Cold War He charts the ideological and political significance of a range of phenomena from films like *High Society*

Destination Moon and When Worlds Collide to John F Kennedy's rise to power from the emergence of a new high tech economy fueled by the NASA led transformation of the aerospace industry to the last flight of the space shuttle Challenger His highly original account of the star spangled space age sets a new standard for the study of American culture     Sabre Rattling in Space Ahmad Khan, Eligar Sadeh, 2024-12-13 This book offers historical and theoretical context of the path followed by States from space militarization to weaponization and deconstructs traditional security paradigm myths to prove that a paradigm shift has been brought because of deadly space weapons developed by major space powers It reconciles that the strategic distrust between two leading space competitors U S and China has prompted them to pursue counter space capabilities The ripple effect of this troubling relation in space is not limited at the global level but has witnessed a trickledown effect on regional security In relation to this the book offers details of the Indian space program including its military space ambitions and provides information about Pakistan's objectives in space It offers an overview of challenges to international space governance and how the structural flaws help states to aggressively follow a path toward space weaponization Additionally it discusses the UN negotiating arms control measures in space and the politics of states not to negotiate prevention of an arms race in outer space The book is a useful contribution to space security from both traditional and contemporary approaches covering history theory and application It provides an academic as well as practical approach carrying appeal for professionals experts opinion makers industry academics teachers policy makers politicians and masses from other walks of life who are interested in space security     Ethics Handbook for the Space Odyssey Jacques Arnould, 2020-04-01 With his particular questioning style Jacques Arnould takes us on a journey through the history of space exploration and utilisation from a multidisciplinary perspective This book deals with philosophical and societal questions national and international policy legal and responsibility aspects By asking the right questions Jacques helps us understand many of the questions most humans ask themselves about why what for whom for how long and how humanity will or should expand its presence in and benefit from outer space The French CNES is the first space agency that decided to employ an expert in the ethics of space activities and the International Space University and the University of South Australia are the only where space ethics is regularly taught in its programs as part of its unique multidisciplinary curricula     **Symbolic Defense** Edward Tabor Linenthal, 1989 Since the public unveiling of SDI in 1983 discussion has focused on the technical and strategic aspects of the project This book takes a new look examining the cultural repercussions of SDI Illustrated     **The Oxford Companion to American Military History** ,     **The Next Space Race** Richard M. Harrison, Peter A. Garretson, 2023-03-31 If China's space ambitions continue unchallenged America will be seriously economically and militarily disadvantaged This book provides a comprehensive strategy to secure U S primacy in the space domain From Moon landings to plans for asteroid mining China is beginning to exploit space to achieve its great power ambitions Its strategy could over time severely and adversely impact U S economic and military security The United States needs to structure its approach to

space to ensure that it can meet or surpass PRC timelines Authors Richard M Harrison and Peter A Garretson both from the American Foreign Policy Council review the literature on Chinese space ambitions and assess U S space related initiatives across the government military and private sector to understand the maturity of technology available to support space initiatives Their first hand research and findings are supplemented by interviews with industry experts corporate space leaders and government and military officials The Next Space Race describes and seeks to influence the development of American space policy to ensure the U S industrial base is ready to meet or surpass PRC milestones empower and clarify the mission of the newly minted Space Force provide guidance to NASA and other federal agencies and incentivize private sector companies to contribute to ensuring American space primacy

Space Weapons And Us Strategy Origins And Development: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the captivating narratives that have charmed audiences this year. Space Weapons And Us Strategy Origins And Development : Colleen Hoover's "It Ends with Us" This touching tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Space Weapons And Us Strategy Origins And Development : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Space Weapons And Us Strategy Origins And Development : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and thrilling novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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