



Smith Rand Corporation Case Study

**Jeff Adams, Matt Cochrane, Linda
Dunne**



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The Rand Corporation Bruce L. R. Smith, 1966 History of Operations Research in the United States Army, V. 1, 1942-1962 Charles R. Shrader, 2006-10-05 Operations research OR emerged during World War II as an important means of assisting civilian and military leaders in making scientifically sound improvements in the design and performance of weapons and equipment OR techniques were soon extended to address questions of tactics and strategy during the war and after the war to matters of high level political and economic policy Until now the story of why and how the U S Army used OR has remained relatively obscure surviving only in a few scattered official documents in the memories of those who participated and in a number of notes and articles that have been published about selected topics on military operations research However none of those materials amounts to a comprehensive coherent history In this the first of three planned volumes Dr Charles R Shrader has for the first time drawn together the scattered threads and woven them into a well focused historical narrative that describes the evolution of OR in the U S Army from its origins in World War II to the early 1960s He has done an admirable job of ferreting out the surviving evidence shaping it into an understandable narrative and placing it within the context of the overall development of American military institutions Often working with only sparse and incomplete materials he has managed to provide a comprehensive history of OR in the U S Army that offers important insights into the natural tension between military leaders and civilian scientists the establishment and growth of Army OR organizations the use and abuse of OR techniques and of course the many important contributions that OR managers and analysts have made to the growth and improvement of the Army since 1942 In this volume Dr Shrader carries the story up to 1962 the beginning of the McNamara era and of America's long involvement in Vietnam The subsequent volumes will cover Army OR during the McNamara era its application in support of military operations in Vietnam and its significant contributions to the Army's post Vietnam recovery and reorganization ultimately leading to a victory after only 100 hours of combat in the first Gulf War in 1991 and the emergence of the U S Army as second to none in modern weaponry tactical prowess and strategic vision

History of Operations Research in the United States Army Charles R. Shrader, 2006 History of Operations Research in the United States Army a comprehensive 3 volume set with each volume covering a different time span offers insights into the natural tension between military leaders and civilian scientists the establishment and growth of Army Operations Research OR organizations the use of OR techniques and the many contributions that OR managers and analysts have made to the growth and improvement of the Army since 1942 **Rand's Role in the Evolution of Balloon and Satellite**

Observation Systems and Related U.S. Space Technology Merton E. Davies, William Robert Harris, 1988 This history commemorates the 40th anniversary of The RAND Corporation 1948 1988 RAND research studies aided in development of concepts system requirements and development programs for space satellites operational in the 1960s RAND research in 1946 1954 emphasized reconnaissance missions for balloons and electro optical TV reconnaissance satellites with data relay

Thereafter RAND proposed use of recoverable film storage satellite payloads with simple guidance systems so that reconnaissance satellites could aid in arms control verification when intercontinental ballistic missiles ICBMs were deployed. In the 1950s RAND space technology studies dealt with scientific exploration of the moon and solar system satellites for weather forecasting and for mapping missile launch detection and technology applications for the civil space program of the National Aeronautics and Space Administration. Innovative studies of balloon reconnaissance platforms ICBMs uses of panoramic cameras for remote observation of earth and use of infrared satellites for missile launch warning resulted from researcher initiated studies.

History of operations research in the United States Army, V. I: 1942-62, Operations research OR emerged during World War II as an important means of assisting civilian and military leaders in making scientifically sound improvements in the design and performance of weapons and equipment. OR techniques were soon extended to address questions of tactics and strategy during the war and after the war to matters of high level political and economic policy. Until now the story of why and how the U S Army used OR has remained relatively obscure, surviving only in a few scattered official documents in the memories of those who participated and in a number of notes and articles that have been published about selected topics on military operations research. However, none of those materials amounts to a comprehensive coherent history. In this the first of three planned volumes Dr Charles R Shrader has for the first time drawn together the scattered threads and woven them into a well focused historical narrative that describes the evolution of OR in the U S Army from its origins in World War II to the early 1960s. He has done an admirable job of ferreting out the surviving evidence, shaping it into an understandable narrative and placing it within the context of the overall development of American military institutions. Often working with only sparse and incomplete materials, he has managed to provide a comprehensive history of OR in the U S Army that offers important insights into the natural tension between military leaders and civilian scientists, the establishment and growth of Army OR organizations, the use and abuse of OR techniques and of course the many important contributions that OR managers and analysts have made to the growth and improvement of the Army since 1942. In this volume Dr Shrader carries the story up to 1962, the beginning of the McNamara era and of America's long involvement in Vietnam. The subsequent volumes will cover Army OR during the McNamara era, its application in support of military operations in Vietnam and its significant contributions to the Army's post Vietnam recovery and reorganization, ultimately leading to a victory after only 100 hours of combat in the first Gulf War in 1991 and the emergence of the U S Army as second to none in modern weaponry, tactical prowess and strategic vision.

Critical Approaches to International Security Karin M. Fierke, 2015-03-06. During the Cold War the concept of international security was understood in military terms as the threat or use of force by states. The end of East West hostilities however brought critical perspectives to the fore as scholars sought to explain the emergence of new challenges to international stability such as environmental degradation, immigration and terrorism. The second edition of this popular and highly respected text offers a

wide ranging and comprehensive analysis of the growing field of critical security studies All the chapters have been fully revised and updated to map the on going evolution of debates about international security since 1989 including the more recent shift in emphasis from critiques of the realist practices of states to those of global liberal governance Topics covered include the relationship between security and change identity the production of danger fear and trauma human insecurity and emancipation The book explores the meaning and use of these concepts and their relevance to real life situations ranging from the War on Terror to the Arab Spring migration suffering in war failed states and state building and the changing landscape of the international system with the emergence of a multipolar world and the escalation of global climate change Written with verve and clarity and incorporating new seminar activities and questions for class discussion this book will be an invaluable resource for students of international relations and security studies

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Economists and Societies Marion Fourcade,2009 Economists and Societies explores the role of economists in the modern world It looks at the extent of their involvement in social programs the regulatory environment commerce offers analysis of the development of this ubiquitous profession

Experts, Social Scientists, and Techniques of Prognosis in Cold War America Christian Dayé,2019-12-16 This book describes how Cold War researchers used expert opinions to construct foreknowledge of geopolitical relevance Focusing on the RAND Corporation an American think tank with close relations to the armed forces Day analyses the development of two techniques of prognosis the Delphi technique and Political Gaming Based on archival research and interviews the chapters explore the history of this series of experiments to understand how contemporary social scientists conceived of one of the core categories of the Cold War the expert and uncover the systematic use of expert opinions to craft prognoses This consideration of the expert s role in Cold War society and what that can tell us about the role of the expert today will be of interest to students and scholars across the history of science the sociology of knowledge future studies the history of the Cold War social science methodology and social policy

US Defense Politics Harvey M. Sapolsky,Associate Professor of Political Science University of Notre Dame Eugene Gholz,Eugene Gholz,Caitlin Talmadge,2008-08-06 This new textbook seeks to explain how US defense and national security policy is formulated and conducted The focus is on the role of the President Congress political partisans defense industries lobbies science the media and interest groups including the military itself in shaping policies It examines the following key themes US grand strategy who joins America s military how and why weapons are bought the management of defense public attitudes toward the military and casualties the roles of the President and the Congress in controlling the military the effects of 9 11 on security policy homeland security government reorganizations and intra and inter service relations The book shows how political and organizational interests determine US defense policy and warns against the introduction of centralising reforms In emphasizing the process of defense policy making rather than just the outcomes of that process this book signals a departure from the style of many existing textbooks

Research and

Relevant Knowledge Roger L. Geiger, 2017-09-29 The rise of American research universities to international preeminence constitutes one of the most important episodes in the history of higher education Research and Relevant Knowledge follows Geiger's earlier volume on American research universities from 1900 to 1940 This second work is the first study to trace this momentous development in the post World War II period It describes how the federal government first relied on university scientists during the war and how the resulting relationship set the pattern for the postwar mushrooming of academic research The first half of the book analyzes the development of the postwar system of academic research exploring the contributions of foundations defense agencies and universities The second half depicts the rise of the golden age of academic research in the years after Sputnik 1957 and its eventual dissolution at the end of the 1960s graduate education When the federal patron soon reduced its largesse university students took the lead in challenging the putative hegemony of academic research The loss of consensus quickly brought the malaise of the 1970s stagnation frustration and equivocation about the research role The final chapter appraises the renaissance of the 1980s based largely on a rapprochement with the private sector and ends by evaluating the embattled status of research universities at the beginning of the 1990s Research and Relevant Knowledge provides the first authoritative analytical account of American research universities during their most fateful half century It will be of critical importance to all those concerned with the future of higher education in the United States

Do Think Tanks Matter? Third Edition Donald E. Abelson, 2018-12-30 It is often assumed that think tanks carry enormous weight with lawmakers and other key stakeholders In *Do Think Tanks Matter* Donald Abelson argues that the question of how think tanks have evolved and under what conditions they can and do have an impact continues to be ignored Think tank directors often credit their institutes with influencing major policy debates and government legislation and many journalists and scholars believe the explosion of think tanks since the latter part of the twentieth century is indicative of their growing importance in the policy making process Abelson goes beyond assumptions highlighting both the visibility and relevance of public policy institutes in what has become a contentious and polarized political arena in the United States and in Canada where despite recent growth in numbers they enjoy less prominence than their US counterparts By focusing on how think tanks engage in issue articulation policy formation and implementation Abelson argues that they have helped to shape the political dialogue and the policy preferences and choices of decision makers but in different ways and at different stages of the policy cycle This expanded and revised third edition includes additional institutional profiles of key think tanks an updated chapter on presidents and think tanks a new chapter on the efforts of a group of public policy institutes to shape the discourse around the possible construction of the controversial Keystone XL pipeline and dozens of new graphs and tables that track the public visibility and perceived policy relevance or impact of top tier think tanks

Applying Theory to Educational Research Jeff Adams, Matt Cochrane, Linda Dunne, 2011-10-07 Applying Theory to Educational Research provides educational researchers with an accessible introduction to the process of selecting and applying theories in their

work Offers an innovative and accessible approach to educational research by providing practical examples of the application of theory Gives hands on accounts for the researcher and practitioner Explains and discusses complex ideas in the light of experience in using and applying them Covers the application of major theorists such as Bourdieu Foucault Weber Derrida and Vygotsky For beginning researchers theory can be one of the most stimulating yet intellectually daunting aspects of academic work Applying Theory to Educational Research provides new educational researchers with a uniquely accessible introduction to the process of selecting and applying theories in their own work Written by a team of leading educationalists writing from the perspective of new researchers clearly structured chapters introduce individual theorists and their ideas present their applications and limitations and provide extensive references and suggestion for further reading Major theorists such as Pierre Bourdieu Michel Foucault Max Weber Jacques Derrida and Lev Vygotsky are included along with many more recent educational theorists Throughout the text helpful hints and signposts are provided to alert readers to the potential pitfalls of applying theory Innovative and illuminating Applying Theory to Educational Research offers a wealth of practical insights that will point the way for novice researchers struggling to navigate an often daunting intellectual obstacle course

Kennedy's Wars: Liberal Anti Communism; 2 Beyond Massive Retaliation; 3 The Third World Alternative; 4 Policies and People. Section 2 Berlin and Nuclear Statagy; 5 The New Strategy; 6 To Vienna and Back; 7 The Berlin Anomaly; 8 A Contest of Resolve; 9 The Wall; 10 Tests and Tension; 11 Flexible Resp Lawrence Freedman,2002 In Kennedy s Wars noted historian Lawrence Freedman draws on the best of Cold War scholarship and newly released government documents to illuminate Kennedy s approach to war and his efforts for peace **The United States Air Force and the Culture of Innovation, 1945-1965** Stephen B. Johnson,2002 **Funding a Revolution** Committee on Innovations in Computing and Communications: Lessons from History,Computer Science and Telecommunications Board,National Research Council,1999-01-25 The past 50 years have witnessed a revolution in computing and related communications technologies The contributions of industry and university researchers to this revolution are manifest less widely recognized is the major role the federal government played in launching the computing revolution and sustaining its momentum Funding a Revolution examines the history of computing since World War II to elucidate the federal government s role in funding computing research supporting the education of computer scientists and engineers and equipping university research labs It reviews the economic rationale for government support of research characterizes federal support for computing research and summarizes key historical advances in which government sponsored research played an important role Funding a Revolution contains a series of case studies in relational databases the Internet theoretical computer science artificial intelligence and virtual reality that demonstrate the complex interactions among government universities and industry that have driven the field It offers a series of lessons that identify factors contributing to the success of the nation s computing enterprise and the government s role within it **Rethinking the Cold War** Allen Hunter,1998 The end of the

Cold War should have been an occasion to reassess its origins history significance and consequences Yet most commentators have restated positions already developed during the Cold War They have taken the break up of the Soviet Union the shift toward capitalism and electoral politics in Eastern Europe and countries formerly in the USSR as evidence of a moral and political victory for the United States that needs no further elaboration This collection of essays offers a more complex and nuanced analysis of Cold War history It challenges the prevailing perspective which editor Allen Hunter terms vindicationism Writing from different disciplinary and conceptual vantage points the contributors to the collection invite a rethinking of what the Cold War was how fully it defined the decades after World War II what forces sustained it and what forces led to its demise By exploring a wide range of central themes of the era Rethinking the Cold War widens the discussion of the Cold War s place in post war history and intellectual life

Fighting Talk Colin S. Gray, 2007-04-30 Gray presents an inventive treatise on the nature of strategy war and peace organized around forty maxims This collection of mini essays will forearm politicians soldiers and the attentive general public against many probably most fallacies that abound in contemporary debates about war peace and security While one can never guarantee strategic success which depends on policy military prowess and the quality of the dialogue between the two a strategic education led by the judgments in these maxims increases the chances that one s errors will be small rather than catastrophic The maxims are grouped according to five clusters War and Peace tackles the larger issues of strategic history that drive the demand for the services of strategic thought and practice Strategy presses further into the realm of strategic behavior and serves as a bridge between the political focus of part one and the military concerns that follow In Military Power and Warfare turns to the pragmatic business of military performance operations tactics and logistics Part four Security and Insecurity examines why strategy is important including a discussion of the nature dynamic character and functioning of world politics Finally History and the Future is meant to help strategists better understand the processes of historical change

The Evolution of Nuclear Strategy L. Freedman, 2003-07-18 First published twenty years ago Lawrence Freedman s Evolution of Nuclear Strategy was immediately acclaimed as the standard work on the history of attempts to cope militarily and politically with the terrible destructive power of nuclear weapons It has now been rewritten drawing on a wide range of new research and updated to take account of the period following the end of the cold war taking the story to contemporary arguments about missile defence

Bourdieu's Theory of Social Fields Mathieu Hilgers, Eric Mangez, 2014-11-13 Bourdieu s theory of social fields is one of his key contributions to social sciences and humanities However it has never been subjected to genuine critical examination This book fills that gap and offers a clear and wide ranging introduction to the theory It includes a critical discussion of its methodology and relevance in different subject areas in the social sciences and humanities Part I theoretical investigations offers a theoretical account of the theory while also identifying some of its limitations and discussing several strategies to overcome them Part II Education culture and organization presents the theory at work and highlights its

advantages and disadvantages The focus in Part III devoted to The State is on the formation and evolution of the State and public policy in different contexts The chapters show the usefulness of field theory in describing explaining and understanding the functioning of the State at different stages in its historical trajectory including its recent redefinition with the advent of the neoliberal age A last chapter outlines a postcolonial use of the theory of fields

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