# THE PAST AND FUTURE OF NUCLEAR DETERRENCE

Stephen J. Cimbala

# Past And Future Of Nuclear Deterrence

Joint Economic Committee Congress of the United States

#### **Past And Future Of Nuclear Deterrence:**

The Past and Future of Nuclear Deterrence Stephen J. Cimbala, 1998-07-23 As proven by the recent discovery of ongoing research and tests in India and Pakistan the nuclear age is not dead Nuclear weapons deployed in plentiful numbers during the Cold War by the Americans and Soviets and in lesser numbers by others were nevertheless controlled in their use by the essential equivalence of U S and Soviet strategic power and by the ability of the U S and the Soviet Union to dominate the international security environment by means of their global military power Now the setting within which nuclear weapons exist has been transformed Now that the Cold War has ended and the Soviet Union has vanished states seeking nuclear weapons operate under decision making rules that are sometimes opaque to Western observers If the end of the Cold War leads to the unrestrained spread of nuclear weapons Cimbala stresses that a combination of military hubris and arms control insolvency could lead to new nuclear crises or worse The author provides a provocative analysis for policy makers and professional military staff as well as scholars and researchers involved with international relations security studies and Nuclear Deterrence, Past and Future Konstantin Nikolaev, 1989 arms control *Nuclear Weapons and the Future of* Humanity Avner Cohen, Steven Lee, Steven P. Lee, 1986 Nuclear Deterrence: A Look at the Past and Future Through the Eyes of a Beholder, 1996 The purpose of this paper is to analyze United States strategic nuclear deterrence policy and discuss its relevance and applicability following the end of the Cold War This paper will look at the definition theory and strategy of nuclear deterrence as it served the United States throughout the Cold War and will discuss its viability for the future Although chemical and biological weapons are now generally linked together with nuclear weapons into the category of Weapons of Mass Destruction this paper addresses only the nuclear weapons issue It is certainly conceivable that chemical and biological weapons and their delivery systems will soon provide their potential users with the destructive capability equivalent to nuclear weapons It is also true that their acquisition and use provide many advantages over nuclear weapons Nuclear weapons however are distinct from these other weapons because of their demonstrated capability to produce instantaneous destruction on a massive scale and the mystique which has grown around them as a result of the central and unique role they played in the last 45 years of superpower competition known as the Cold War Because we have been living with nuclear weapons as legitimate instruments of war we have developed definitive attitudes policies and prejudices concerning them **Deterrence** George P. Shultz, Sidney D. Drell, James E. Goodby, 2013-09-01 Drawn from the third in a series of conferences the Hoover Institution at Stanford University on the nuclear legacy of the cold war this report examines the importance of deterrence from its critical function in the cold war to its current role Recognizing that today s international environment is radically different from that which it was during the cold war the need is pressing to reassess the role of nuclear weapons in deterrence in the world of today and to look ahead to the future The United Kingdom and the Future of Nuclear Weapons Andrew Futter, 2016-06-16 Since 1969 the United Kingdom always has always had

one submarine armed with nuclear tipped ballistic missiles underwater undetected in constant communication ready at a set notice to fire at targets anywhere in the world This is part of its Trident Programme which includes the development procurement and operation of the current generation of British nuclear weapons as well as the means to deliver them Operated by the Royal Navy and based at Clyde Naval Base on Scotland's west coast it is the most expensive and most powerful capability of the British military forces In 2016 the United Kingdom had to decide on whether to go ahead and build the next generation of nuclear submarines that will allow the UK to remain in the nuclear business well into the second half of this century The book presents the political cultural technical and strategic aspects of Trident to provide a thoughtful overview of the UK's complex relationship with nuclear weapons The authors both scholars and practitioners bring together diverse perspectives on the issue discussing the importance of UK nuclear history as well as the political legal and diplomatic aspects of UK nuclear weapons internationally and domestically Also addressed are the new technical military and strategic challenges to the UK nuclear thinking and strategy The Logic of Nuclear Terror Roman Kolkowicz, 2020-11-19 Originally published in 1987 The Logic of Nuclear Terror presented a much needed critical review of the premises concepts and policy prescriptions of deterrence theories and doctrines at the time In particular authors address the historical validity theoretical vitality and policy relevance of nuclear deterrence theories and doctrines the ways in which technological and political change have affected the original concepts of nuclear war and deterrence strategies and the ways in which such changes have affected policy and doctrine and realistic alternative ways of thinking about strategy in the changing context of new military technologies and international politics. The outstanding group of international contributors to this volume include both proponents and critics of current doctrine The result is an unusually well balanced and unique contribution to our understanding of nuclear deterrence theory and practice As such it will be of interest to students policymakers and teachers of international relations defense and foreign policy US Soviet relations and arms control and disarmament

Asia, the US and Extended Nuclear Deterrence Andrew O'Neil,2013-09-02 Since the end of the Cold War significant attention has focussed on the issue of nuclear deterrence and in particular whether formal nuclear security guarantees from nuclear weapons states to non nuclear weapons states involving the possible use of nuclear weapons have a place in the twenty first century global strategic landscape Growing support for nuclear disarmament in the US and elsewhere has seen serious doubts being raised about the ongoing utility of extended nuclear deterrence This book provides the first detailed analysis of the way in which extended nuclear deterrence operates in contemporary Asia It addresses the following key questions What does the role of extended nuclear deterrence in Asia tell us about the broader role of extended nuclear deterrence in the contemporary international system Is this role likely to change significantly in the years ahead O Neil uses a theoretical and historical framework to analyse the contemporary and future dynamics of extended nuclear deterrence in Asia and challenges many of the existing orthodox perspectives on the topic Providing a new perspective on debates

surrounding extended nuclear deterrence this book will be of interest not only to students and scholars of Asian politics international relations and security studies but also to policy makers and professionals **New Zealand And The World:**Past, Present And Future Robert G Patman, Iati Iati, Balazs Kiglics, 2017-12-28 The aim of this book is to provide the reader with an overview of New Zealand s international relations It is a country that has often shown an international presence that is out of proportion to the modest spectrum of national economic military and diplomatic capabilities at its disposal In this volume the editors have called upon a range of specialists representing a range of views drawn from the worlds of academia policy making and civil society It is an attempt to present a rounded picture of New Zealand s place in the world one that does not rely exclusively on any particular perspective The book does not claim to be exhaustive But it does seek to present a more wide ranging treatment of New Zealand s foreign relations than has generally been the case in the past Five broad themes help shape and organize the contributions to the text The Oxford Handbook of War Julian Lindley-French, Yves Boyer, 2012-01-19 This comprehensive study explores the history theory ethics and practice of war in the 21st century

Future Survey Annual 1986 Michael Marien, 1987-01-01 **European Peace Movements and the Future of the** Western Alliance Walter Laqueur, 2017-09-08 This extraordinary compendium concerns the future of the Western alliance and the development of the peace movements in Europe and in the United States The peace movement is an old phenomenon given new life by NATO decisions concerning nuclear deployment in Europe and the Soviet responses along the same lines After a long postwar marriage Europeans and Americans alike are reexamining the premises of the Western alliance The contributors provide a variety of scenarios extending from the maintenance of the status quo to the complete dismantling of the Western alliance or at least of its NATO component In a context of rapid change and new challenges to the democratic bloc the editors and authors argue for higher levels of economic integration and caution that competition might spill over into political collapse The work deals with thorny security issues in a frank and policy oriented way While each contributor expresses a unique standpoint a surprising consensus emerges The need for democratic nations to move toward a higher policy ground in order to preserve the fundamental alliance that led to the postwar consensus to begin with Some contributors feel this is still possible others that the time has passed and that national rather than regional interests will once more prevail The work contains an extraordinary array of talent from both the American and European perspectives Among the major contributors and their themes are Henry Kissinger on A Plan to Reshape NATO William G Hyland on The European Peace Movement and NATO Irving Kristol on What's Wrong with NATO Theodore Draper on The Western Misalliance Niels Haagerup on The Nordic Peace Movements Martin Ceadel on The British Nuclear Disarmers and Jeffrey Herf on The SPD and the Peace Movement in West Germany This is a well integrated text with no random essays Nuclear Weapons in the Information Age Stephen J. Cimbala, 2012-02-02 In today s information age the coexistence of nuclear weapons with advanced conventional weapons and information based concepts of warfare is a military contradiction Nuclear deterrence

was initially predicated on geopolitical military and technical assumptions These were based on Cold War politics rational deterrence theory the concept of mutual vulnerability and the fact that information and technology diffusion were limited Today however far from being obsolete nuclear and other weapons of mass destruction have not only survived but have become weapons for states that face security threats including perceived threats of nuclear blackmail or expectation of conflicts This study focuses on this unplanned coexistence of two distinct arts of war including the possibility that states like the U S may be held hostage to nuclear blackmail by outlier regimes or terrorists such as North Korea It shows that restricting nuclear proliferation should still be on the agenda of policymakers and calls for a revitalized global nonproliferation regime This unique survey by a leading expert will appeal to anyone interested in arms control nuclear proliferation and defense policy NATO Defense and the INF Treaty United States. Congress. Senate. Committee on Armed Services.1988 **Armed Forces** ,1982 World At The Crossroads: New Conflicts, New Solutions, A: Annals Of Pugwash 1993 Joseph Rotblat, Sven Hellman, 1994-11-15 This book focuses on subjects of great topical interest such as nuclear disarmament trade in arms peacekeeping and conflict resolution environmental security and sustainability Major themes include the elimination of nuclear weapons control of the arms trade the role of multinational and international organizations in peace keeping environmental sustainability and security in the Nordic Baltic region China's Economic Future Joint Economic Committee Congress of the United States, 2016-12-05 This is **Future** ,1996 the latest Joint Economic Committee volume on the Chinese economy With the current state of US China relations and Hong Kong s accession in 1997 the study should provide policy makers in the USA with a useful tool in guiding economic policy Minimum Deterrence: Examining the Evidence Keith B. Payne, James Schlesinger, 2016-04-14 The National toward China Institute for Public Policy's new book Minimum Deterrence Examining the Evidence is the first of its kind Dr Keith Payne former Secretary of Defense James Schlesinger and an unparalleled bipartisan group of senior civilian and military experts critically examine eight basic assumptions of Minimum Deterrence against available evidence In general Minimum Deterrence does not fare well under the careful scrutiny Proponents of a Minimum Deterrent US nuclear force posture believe that anywhere from a handful to a few hundred nuclear weapons are adequate to deter reliably and predictably any enemy from attacking the United States now and in the future Because nuclear weapons are so destructive their thinking goes no foreign leader would dare challenge US capabilities The benefits advocates claim of reducing US nuclear weapons to the minimum level needed are better relations with Russia and China reinforcement of the arms control and Nonproliferation Treaty billions of defense dollars in savings and greater international stability on the way to nuclear zero As political pressure builds to pursue this vision of minimum US deterrence Minimum Deterrence Examining the Evidence stands as the seminal study to address the many claims of great benefit using available evidence This book was published as a special issue of Comparative Strategy History and Foreign Policy in France and Germany Ulrich Krotz, 2015-08-11 Why do states

similar in size resources and capabilities significantly differ in their basic orientations and actions across major domains in foreign policy security and defense This book addresses this important question by analyzing the major differences between the foreign policies of France and Germany over extended periods of time

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