

# **NUCLEAR DETERRENCE**

## **NEW RISKS, NEW OPPORTUNITIES**

EDITED BY

**Catherine McArdle Kelleher**

**Frank J. Kerr**

**George H. Quester**



**PERGAMON-BRASSEY'S**

International Defense Publishers

---

Washington New York London Oxford

Beijing Frankfurt São Paulo Sydney Tokyo Toronto

# Contents

Preface	vii
1. Introduction <i>Catherine M. Kelleher, Frank J. Kerr, and George H. Quester</i>	1
<b>PART I: PERSPECTIVES ON ARMS CONTROL</b>	
2. New Technologies: The Catalysts for Reductions in Nuclear Arms <i>George A. Keyworth II</i>	11
3. What Has Happened to Arms Control? <i>Sidney D. Drell</i>	18
4. Risk and Opportunity: Can We Tell Them Apart? <i>McGeorge Bundy</i>	27
<b>PART II: NUCLEAR WINTER</b>	
5. How a Global Shield Can Cause “Nuclear Winter” <i>Vladimir V. Aleksandrov</i>	39
6. Nuclear Winter <i>Richard Turco</i>	56
7. Nuclear Winter: Bad News, No News, or Good News? <i>George H. Quester</i>	63
<b>PART III: THE NATURE OF NUCLEAR DETERRENCE AND MAD</b>	
8. Cool Heads and Hot Weapons <i>Davis B. Brobow</i>	85
9. Winning Versus Doing Well <i>Russell Hardin</i>	103

10. Why Nuclear Deterrence Will Not Go Away 118  
*Michael A. Nacht*
11. Deterrence Reconsidered: The Challenge of Recent Research 129  
*Richard Ned Lebow*

**PART IV: ARMS CONTROL AND DEFENSE POLICY**

12. The Strategic Defense Initiative 149  
*Edward T. Gerry*
13. No-First-Use and No-Cities: Why Do People Disagree? 158  
*Harold A. Feiveson*
14. Some Arguments for Significant Reductions 178  
*Anne H. Cahn*
15. Deterrence to Further Proliferation of Nuclear Weapons 184  
*Allen L. Sessoms*
16. Launch Under Attack: A Stabilizing Capability 192  
*Richard L. Garwin*

**PART V: GLOBAL MILITARY BALANCE**

17. West European Politics and Extended Deterrence 201  
*Michael Clarke*
18. The Current Nuclear Dilemma: A Chinese View 214  
*Zhang Jingyi*
- Index 227
- About the Editors and Contributors 237