

CONTENTS

ACKNOWLEDGMENTS	vii
INTRODUCTION— <i>Johan J. Holst & William Schneider, Jr.</i>	ix

Part I: Background and Context

Chapter 1. Missile Defense Systems: Past, Present and Future—	
<i>William Schneider, Jr.</i>	3
Early Missile Defense Concepts	4
Current Missile Defense Concepts	7
Future Missile Defense Concepts	11
2. Missile Defense: Can It Work?—	
<i>Charles M. Herzfeld</i>	15
Introduction	15
What Is the Job of ABM?	16
Penetration Aids and Tactics	25
The Capabilities of Safeguard	32
Does Safeguard Solve Problems Worth Solving?	36
3. Missile Defense and Strategic Doctrine—	
<i>Raymond D. Gastil</i>	41
Introduction	41
Three Alternative Strategies	48
Summary	60

CONTENTS

Part II: Alternative BMD Deployments and Rationales

Chapter 4.	The Case for a Thin System— <i>Herman Kahn</i>	63
5.	The Case for Population Defense— <i>Donald G. Brennan</i>	91
	Introduction	91
	Some Technical Estimates	93
	Problems of Deterrence	100
	Arms Races and Arms Control	107
	Conclusion	117
6.	The Case for Strategic Force Defense — <i>Albert Wohlstetter</i>	119
	The Role of ABM in the 1970's	119
	On the Counterforce Calculations of Some Prominent ABM Opponents	129

Part III: Interactions with Other Policy Areas

7.	Missile Defense: The Soviet Union and the Arms Race— <i>Johan J. Holst</i>	145
	The Defensive Tradition	145
	Russian Reactions to the American BMD Decisions	156
	Soviet-American Interactions: Arms Race Issues	161
	Soviet-American Interactions: Arms Control	179
8.	Missile Defense: Implications for Europe— <i>Johan J. Holst</i>	187
	Scope and Context	187
	Hegemony and Political Mobility	188
	Arms Control and the Prospects of a European Settlement	190
	Impact on the Future of NATO	194
	Attitudes Towards China	201
9.	Missile Defense and Non-Proliferation: Friends or Enemies?— <i>Michael E. Sherman</i>	205

CONTENTS

Introduction	205
Some Possible Effects of ABM on Non-Proliferation	206
Orchestrating ABM and NPT	213
10. The Problem of China— <i>Frank E. Armbruster</i>	221
11. Civil Defense and Missile Defense— <i>Raymond D. Gastil</i>	235

Part IV: Some Other Perspectives

12. Strategic Arms Control and Stability: A Retrospective Look— <i>Johan J. Holst</i>	245
Diplomatic Prelude	247
The Contextual Impact	255
The Substantive Issues	266
Some Conclusions	279
13. The Missile Defense Debate in Perspective— <i>Herman Kahn</i>	285

BIBLIOGRAPHY	295
NOTES ON CONTRIBUTORS	303
INDEX	309