Reducing Nuclear Arsenals

Edited by

Carlo Schaerf

Professor of Physics University of Rome II

and

David Carlton

Lecturer in International Studies University of Warwick



Contents

Lis	t of Tables	viii
List	t of Figures	ix
For	Foreword	
Pre	face	
Lis	t of Abbreviations	хi
Noi	tes on the Contributors	xiv
PA	RT I THE STRATEGIC NUCLEAR ARSENALS OF THE SUPERPOWERS	
1	The Soviet-US Strategic Nuclear and Space Talks: Problems and Prospects L. Masterkov	3
2	US-Soviet Negotiations: Problems and Prospects Richard L. Garwin	9
3	The US-Soviet Strategic Arms Reduction Talks: Status and Major Issues Paul S. Brown	25
4	START: Finishing an Unfinished Business Alexei G. Arbatov	37
5	The Future of the Global Strategic Balance Desmond Ball	43
6	The Future Use of Redundant Weapon-grade Material Edoardo Amaldi	79
7	Nuclear Warhead Dismantlement and Possible Reuse in Civil Nuclear Power Reactors Cesare Silvi	97

vi Contents

Marco De Andreis

PA	RT II ACTUAL AND POTENTIAL SECOND-RANK NUCLEAR FORCES	
8	The Nuclear Arsenals of France, Great Britain and China Hugh Beach	109
9	The French Nuclear Force in the Era of Negotiations Jean Klein	125
10	The International System and Nuclear Deterrence: A Chinese Perspective Cui Liru	141
11	Nuclear-weapon Proliferation: Problems and Prospects Alessandro Pascolini	155
12	Nuclear-weapon Proliferation Francesco Calogero	191
PA	RT III THE REDUCTION OF CONVENTIONAL AND THEATRE NUCLEAR FORCES IN EUROPE	
13	The INF Treaty: Provisions and Precedents Catherine M. Kelleher	207
14	Conventional and Nuclear Forces in Europe: The Importance of the Vienna Talks Jonathan Dean	225
15	Conventional Stability and Nuclear-weapon Cuts in Europe Carlo Jean	241
16	Deterrence or Disarmament: NATO Must Cope With the Debate Antonia Handler Chayes and Caroline R. Russell	257
17	The NATO Summit of May 1989 and Theatre Nuclear Weapons in Europe Elmar Schmähling	271
18	The Lance Saga: A US-NATO Debate on the Modernisation of Theatre Nuclear Weapons	2,1

281

	Contents	vii
19	The Vienna Talks and the Italian Armoured Tanks Series	
	Luigi Anderlini	297
Index		301