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History; 1.3.2 Biological Warfare Agents in Ancient Times BC; 1.3.3 Biological Warfare Agents in the Middle Ages to World War I; 1.3.4 From World War I to World War II - the Beginning of Scientifically Based Biological Weapons Research; 1.3.5 From the End of World War II to the 1980 - the Great Bioweapons Programs; 1.3.6 From the 1980 Up Today - the Emerging of Bioterrorism
1.3.7 Conclusions and Outlook
1.4 Introduction to Radiological and Nuclear Warfare; 1.4.1 Discovery of Nuclear Fission; 1.4.2 Manhattan Project - Development of the First Fission Weapons; 1.4.3 Nuclear Arms Race; 1.4.4 Status of World Nuclear Forces; 1.4.5 Radiological Warfare and Nuclear Terrorism; 1.4.6 Conclusions and Outlook; References; 2 International Treaties - Only a Matter for Diplomats?; 2.1 Introduction to the Minefield of Negotiations; 2.1.1 Arms Reduction and Prohibition of Use; 2.1.2 Arms Control and International Controlling Bodies; 2.1.3 Nonproliferation
2.2 Why It Is so Difficult to Implement International Regulations? 2.2.1 Trust - Devoid of Trust Every Effort Is Useless; 2.2.2 Negotiation - Special Skills Are Required; 2.2.3 Dual Use - Good or Bad Technology?; 2.2.4 Verification - an Instrument for Trust Building; 2.2.5 Technological Advancement - Gain of Momentum; 2.3 Historic Development of Treaties - the Link to the Incidents; 2.4 Today's System of Treaties - a Global Network; 2.4.1 The Geneva Conventions - the Backbone for Further Treaties; 2.4.2 Deployment System for Weapons - Control the Carrier Systems
2.4.3 Biological and Chemical Weapons
2.4.4 Chemical Weapons Convention 1993 and Organization for the Prohibition of Chemical Weapons (OPCW); 2.4.5 Implications of the Chemical Weapons Convention (CWC) and the Biological Weapons Convention (BWC); 2.5 Nuclear Weapons; 2.5.1 Nonproliferation; 2.5.2 Disarmament; 2.5.2.1 Strategic Arms Limitation Talks/Treaty (SALT); 2.5.2.2 Strategic Arms Reduction Treaty (START); 2.5.2.3 Strategic Offensive Reductions (SORT) 2003; 2.5.3 Test-Ban and Civil Use; 2.5.4 Nuclear-Weapon-Free Zones; 2.6 Organizations; 2.7 Conclusions and Where Does the Road Lead?
References

Sommario/riassunto

This introductory text covers all angles, leading readers from the scientific basics to both "old" and "new" threats from NBC weapons and agents prepared by noncombatant forces, including terrorist organizations. After a look at the history of NBC weapons and their international control, the three classes of nuclear/radiological, biological, and chemical weapons are introduced, focusing on agents and delivery vehicles. There follows an explanation of current methods for the rapid detection of NBC agents and the principles of physical protection of humans and structures. The final parts add
