

CONTENTS

Chapter I. General Features of Nuclear Weapons	2
Chapter II. Biological Effects of Nuclear Radiations	10
Chapter III. Instruments for Detecting and Measuring the Effects of Nuclear Explosions	15
Chapter IV. Effects of Initial Nuclear Radiations	22
Chapter V. Effects of Thermal Radiation	25
Chapter VI. Crater Formation and Ground Shock	29
Chapter VII. Effects of Damage from Air Blast	31
Chapter IX. Protection afforded by Buildings, Trenches and Vehicles, against Gamma Radiation – from Fall-out	46
Chapter X. Hazards to Food Stocks, Animals, Crops and Water Supplies	54
Chapter XI. Summary of Methods of protection and Decontamination for the Individual	59-60
Appendix 1. Atoms and the structure of matter: some definitions nuclear fission	63-60
Appendix 2. Scaling Laws	66