

CONTENTS

	Page
Introduction	1
Some Observations on the Mechanism and Chemistry Aspects of chemical Dispersion	5
Toxicity Testing in the united Kingdom for the Evaluation of Oil Slick Dispersants	18
A Small-Scale Laboratory Dispersant Effectiveness Test	35
Acute Aquatic Toxicity and Dispersing Effectiveness of Oil Spill Dispersants : Results of a Canadian Oil Dispersant Testing Program (1973 to 1977)	50
Logistic Requirements for Aerial Application of Oil Spill Dispersants	66
Development of an Oil Dispersant Spraying System	81
Chemical Control of Oil Spills and Hazards	89
Some Guidelines for Oil Spill Control in Coastal Environments Based on Field Studies of Four Oil Spills	98
Assessment Problems of Whether or Not to Treat Oil Spills	119
Oil Spill Control Chemicals – A Current View	127
Physical and Chemical Behavior of Small Crude Oil Slicks on the Ocean	141
Dispersant Field trials in Canadian Waters – use of Hovercraft as a Dispersant – Spraying Platform	159
Evaluation of Equipment for Aerial Spraying of Oil Dispersant Chemicals	169
Effect of a Chemical Dispersant on Microbial Utilization of Petroleum Hydrocarbons	180
Chemical Analysis of Dispersed Oil in the Water Column	188
Drop-Size Distributions in a Treated Oil-Water System	203
Practical Experience of Dispersant usage	217
Dispersant Usage for Offshore Oil Spills	226
A System for the Application of Dispersants to the Problems of Oil Spill Clearance	236
Effects of Dispersant Use on Shore Life	253
Apparatus for Application of Chemical Dispersants on Open Sea	266
Ecological Effects of Dispersants in the United Kingdom	277
Panel Discussion	293
Summary	301
Index	305