

1	Introduction	
1.1	General	1
1.2	The Definition of Pollution	4
1.3	Units of Measurement and Seawater Composition	4
2	Domestic Effluents	
2.1	Biodegradable Organic Substances	6
2.2	Infections	13
2.3	Eutrophication	16
2.4	The Situation in the Baltic	20
2.5	Global Eutrophication?	27
2.6	Sewage Treatment Plants in Coastal Regions?	27
2.7	Detergents	28
2.8	Residual Heat	29
2.9	Gradual Coastal Changes	33
3	Industrial Effluents	
3.1	General	37
3.2	Effluents Containing Mercury	37
3.3	Effluents from Pesticide Plants	47
4	Pollution of the Sea by Ships	
4.1	Discharging of Wastes on the High Seas	53
4.2	Waste Acids and Ferrous Sulfate of the Titanium Pigment Industry and the Problem of the Indicator Communities	57
4.3	Discharging of Dredge Spoil and Sludge	64
4.4	Toxic Substances in Antifouling Paints	68
4.5	Garbage from Ships	69
5	Oil Pollution	
5.1	The Composition of Petroleum	71
5.2	Fate of Oil on the Surface of the Ocean	72

5.3	Sources of Marine Pollution by Petroleum	80
5.4	Effect of Oil on Marine Life	87
5.5	Combating Oil Pollution	96
6	Radioactivity	
6.1	Natural Background Radioactivity and Fall-out. . .	104
6.2	Reprocessing Plants, Plutonium Plants, and Nuclear Reactors	109
6.3	Radioactive Waste	112
6.4	Effects of Radioactivity	116
7	General Problems of Harmful Substances in the Sea	
7.1	Toxicity	120
7.2	Accumulation.	126
7.3	Geochemical Processes	136
7.4	Global Considerations	143
8	Global Contamination of the Oceans by Heavy Metals	
8.1	How Much Mercury May Be Tolerated in Fish for Human Consumption?	146
8.2	Mercury in Large Fish, Seal, and Open Sea Marine Birds.	149
8.3	Mercury in the Water of the World's Oceans	151
8.4	Sources of Mercury in the Sea	152
8.5	Has Man Increased the Concentration of Mercury in the World's Oceans?	154
8.6	Contamination of the Oceans with Cadmium	158
8.7	Contamination of the Oceans with Lead	160
9	Global Pollution of the Oceans with Chlorinated Hydrocarbons	
9.1	General	164
9.2	What Quantity of Chlorinated Hydrocarbons May Be Tolerated in Marine Food for Human Consumption?	169
9.3	Ways of Transport, Transformations, and Concentrations	174
9.4	Effects of Chlorinated Hydrocarbons	179
10	Laws Against the Pollution of the Oceans.	184
11	Diagnosis and Therapy	191
	References	196
	Subject Index	213