

CHAPTER III

	PAGE
WATER	72
I. THERMAL PROPERTIES	80
A. Specific Heat	80
B. Latent Heat	92
C. Thermal Conductivity	106
D. Expansion before Freezing	106
II. THE ACTION OF WATER UPON OTHER SUBSTANCES	110
A. Water as a Solvent	111
B. Ionization	118
C. Surface Tension	126

CHAPTER IV

CARBONIC ACID	133
I. SOLUBILITY	136
II. ACIDITY	140

CHAPTER V

THE OCEAN	164
I. THE REGULATION OF PHYSICO-CHEMICAL CONDITIONS	164
II. THE CIRCULATION OF WATER	180
III. THE OCEAN AS ENVIRONMENT	183

CHAPTER VI

THE CHEMISTRY OF THE THREE ELEMENTS	191
I. ORGANIC CHEMISTRY	191
A. Valence	196
B. Hydrocarbons	197