

	PAGE
CHAPTER XII.—SEQUEL TO THE EPOCH OF YOUNG AND FRESNEL.—RECEPTION OF THE UNDULATORY THEORY...	111
CHAPTER XIII.—CONFIRMATION AND EXTENSION OF THE UNDULATORY THEORY	118
1. Double Refraction of Compressed Glass.....	119
2. Circular Polarization.....	119
3. Elliptical Polarization in Quartz.....	122
4. Differential Equations of Elliptical Polarization.....	122
5. Elliptical Polarization of Metals.....	123
6. Newton's Rings by Polarized Light.....	124
7. Conical Refraction.....	124
8. Fringes of Shadows.....	125
9. Objections to the Theory.....	125
10. Dispersion, on the Undulatory Theory.....	126
11. Conclusion.....	128
 <hr/>	
BOOK X.	
HISTORY OF THERMOTICS AND ATMOTOLOGY.	
Introduction.....	137
<i>THERMOTICS PROPER.</i>	
CHAPTER I.—THE DOCTRINES OF CONDUCTION AND RADIATION.	
Sect. 1. Introduction of the Doctrine of Conduction.....	139
Sect. 2. " " " Radiation	142
Sect. 3. Verification of the Doctrines of Conduction and Radiation.....	143
Sect. 4. The Geological and Cosmological Application of Thermotics.....	144
1. Effect of Solar Heat on the Earth.....	145
2. Climate	146
3. Temperature of the Interior of the Earth.....	147
4. Heat of the Planetary Spaces.....	148
Sect. 5. Correction of Newton's Law of Cooling.....	149
Sect. 6. Other Laws of Phenomena with respect to Radiation.....	151
Sect. 7. Fourier's Theory of Radiant Heat.....	152
Sect. 8. Discovery of the Polarization of Heat.....	153