

and circling heavenly bodies of very different density and magnitude, and partly scattered as self-luminous vapor. Review of the separate portions of the picture of nature, for the purpose of explaining the reciprocal connection of all phenomena.

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*Special Analysis of the Delineation of Nature, including References to the Subjects treated of in the Notes.*

- I. *Celestial Portion of the Cosmos* ..... p. 83-154

The universe and all that it comprises—multiform nebulous spots, planetary vapor, and nebulous stars. The picturesque charm of a southern sky—note, p. 85. Conjectures on the position in space of the world. Our stellar masses. A cosmical island. Gauging stars. Double stars revolving round a common center. Distance of the star 61 Cygni—p. 88 and note. Our solar system more complicated than was conjectured at the close of the last century. Primary planets with Neptune, Astrea, Hebe, Iris, and Flora, now constitute 16; secondary planets 18; myriads of comets of which many of the inner ones are inclosed