

clusters of stars?—p. 13 (note §, p. 22, and p. 23, note *). Historical particulars—p. 14 (note *, p. 28). Number of nebulae whose positions are determined—p. 26 (notes * and †). Distribution of nebulae and clusters of stars in the northern and southern hemispheres—p. 27; spaces poor in nebulae, and the maxima of accumulation—p. 28, and note *. Configuration of nebulae: spherical, annular, spiral, and planetary nebulae—p. 31. Nebula (cluster of stars) in Andromeda—p. 16–31 (note †, p. 31); nebula in Orion's sword—p. 17–39 (notes *, p. 18, †, p. 23, §, p. 36, *, p. 38, §, p. 39, and *, p. 40); large nebula round η Argûs—p. 40; nebula in Sagittarius—p. 41; nebula in Cygnus and Vulpes; spiral nebula in the northern Canes Venatici—p. 41. The two Magellanic Clouds—p. 43 (note *, p. 48). Black spots or Coal-sacks—p. 51.

β. The Solar region; planets and their moons, ring of the zodiacal light, and swarms of meteor-asteroids—p. 53–88.

I. *The Sun considered as a central body*: Numerical data—p. 59 (note *, p. 59, and p. 62, note *). Physical constitution of the surface; envelopes of the dark solar globe; Sun-spots, faculae—p. 61. Diminutions in the daylight recorded by the annalists; problematic obscurations—p. 73, and note. Intensity of the light in the center and at the edge of the Sun's disk—p. 79, and note; also p. 81, note *. Correlation of light, heat, electricity, and magnetism; Seebeck, Ampère, Faraday—p. 84. Influence of the Sun's spots upon the temperature of our atmosphere—p. 80.

II. *The Planets*:

A. *General comparative considerations*:

a. *Principal Planets*:

1. Number and epoch of discovery—p. 89. Names, planetary days (week), and planetary hours—p. 92, and note †; also p. 94, note *.
2. Classification of the planets in two groups—p. 102.
3. Absolute and apparent magnitudes; configuration—p. 105.
4. Order of the planets and their distances from the Sun; the so-called law of Titius; old belief that the cosmical bodies which we now see were not all visible from the beginning; Proselenes—p. 106, note *, p. 108, and p. 120, note *.
5. Masses of the planets—p. 118.
6. Densities of the planets—p. 119.
7. Periods of sidereal revolution and axial rotation—p. 120.
8. Inclination of the planetary orbits and axes of rotation; their influence upon climate—p. 121, and note †, p. 126.

b. *Secondary planets*—p. 127

B. *Special consideration*; enumeration of the individual planets and their relation to the Sun as central body.

The Sun—p. 135–137.

Mercury—p. 137, 138.

Venus; spots—p. 138–141.

The Earth; numerical relations—p. 141.