

	PAGE		PAGE
<i>Copernicus</i> rep. eccentricity of orbits.....	60	<i>Galaxy</i> , or Milky Way, its aspect	428
his distances of the planets.....	60	<i>Galileo</i> reinvents the telescope.....	108
estimate of his work.....	61	discovers phases of Venus.....	296
work condemned by Inquisition.....	73	satellites of Jupiter	244
<i>Cornu</i> measures velocity of light.....	290, 292	resolves the Milky Way	490
<i>Corona</i> of the sun described	268	<i>Galle</i> , parallax of asteroids	302
its probable nature.....	264	optical discoveries of Neptune	369
its spectrum.....	268	<i>Gentil</i> , his unfortunate voyage.....	182
<i>Cosmogony</i> , the system of.....	608	<i>Gillies</i> , expedition to Chile.....	176
<i>Cyclo</i> , the Meteoric.....	48	<i>Glacial</i> epoch, its possible cause	247
<i>Deen</i> determ. transatlantic longitude.....	161	<i>Glaesnapp</i> , velocity of light.....	216
<i>Delassus</i> , secular acceleration of moon.....	97	<i>Gnomon</i> , its use by the ancients	106
<i>Density</i> of the earth	84	<i>Golden</i> number.....	48
<i>Descartes</i> ' theory of vortices	72	<i>Gould</i> determ. transatlantic longitude ..	161
<i>Donati</i> 's comet, description of.....	887	<i>Gravitation</i> not newly discovered	48
views of.....	876, 886	how generalized by Newton	76
<i>Draper</i> , his great telescope.....	127	universal law of	81
photograph of the moon.....	519	exerted by small masses	81
theory of the solar spectrum.....	283	explains motion of the planets	98, 102
<i>Earth</i> , density of.....	84	<i>Grubb</i> constructs Melbourne telescope ..	184
elements of orbit.....	540		
figure of, view of Ptolemy	53	<i>Hall</i> observes spot on Saturn	240
on Newton's theory.....	86	discovers satellites of Mars	290, 291
the French investigations	87	<i>Halley</i> discovers secular accel. of moon	96
theory of its fluidity	205	total eclipse in 1715	205
difficulties of this theory	306	periodicity of his comet	205
temperature of interior	504, 528	proposes obs. of transit of Venus	178
solar cooling of	528	<i>Hansen</i> , moon's secular acceleration	97
<i>Easter</i> , how determined	45	solar parallax	164
<i>Eastman</i> , view of total eclipse in 1869	239	<i>Harkness</i> , spectrum of the corona	268
<i>Eccentric</i> in ancient astronomy	41	observes meteoric shower	400
<i>Ecliptic</i> , geometrical explanation	24	<i>Eschen</i> , his telescopes	126
classification	25	discovery of Uranus	302
duration of	38	of two satellites of Urania	302
ancient observations of	267	his star gauges	478
seasons and periodic recurrence	30	structure of the universe	490
total, phenomena of	265	nebular hypothesis	507
observations of	265	Song of the Telescope	120
<i>Ecliptide</i> , description of	15	<i>Eilhard</i> determ. transatlantic longitude ..	161
obliquity explained	61	<i>Hipparchus</i> observes motions of planets	40
<i>Elements</i> of the planetary orbits	540, 545	catalogues the stars	425
<i>Encke</i> determines solar parallax	188	<i>Holden</i> investigates satellites of Uranus	265
investigates resisting medium	267	<i>Hook</i> , problem of stellar parallax	206
<i>Epicyclic</i> , ancient system of	27	<i>Hovore</i> first observes transit of Venus	177
explained by Copernicus	54	<i>Huggins</i> , appearance of sun's surface ..	248
<i>Equator</i> , celestial	13, 149	motion of stars in line of sight	406
<i>Evection</i> discovered by Ptolemy	42	spectrum of nebula	490
<i>Eye-piece</i> of telescope	120	of new star	447
<i>Faujas</i> of the sun	566	<i>Huyghens</i> prep. the way for gravitation	73
<i>Faye</i> , constitution of the sun	270	discovers rings of Saturn	260
his comet, motions of	261		
<i>Fitzmaur</i> measures velocity of light	219		
<i>Foucault</i> measures velocity of light	220		
<i>Inquisition</i> condemns work of Coper-			
nicus			
<i>Extra-Mercurial</i> planets, supposed	108, 297		
pretended observations of			
<i>Jansen</i> , supposed inventor of telescope ..	100		