Percy, Dr., on minerals artificially pro- | Posidonius on the Ligyan field of stores. duced. See note by Translator, 268.

Permian system of Murchison, 277.

- Perouse, La, expedition of, 186.
- Persia, great comet seen in (1668), 139, 140.
- Pertz on the large aërolite that fell in the bed of the River Narni, 116.
- Peters, Dr., velocity of stones projected from Ætna, 122.
- Peucati, Count Mazari, partial infection of calcareous beds by the contact of syenitic granite in the Tyrol, 262.
- Phillips on the temperature of a coalmine at increasing depths, 174.
- Philolaüs, his astronomical studies, 65; his fragmentary writings, 68–71.
- Philosophy of nature, first germ, 37.
- Phosphorescence of the sea in the torrid zones, 202.
- Physics, their limits, 50; influence of physical science on the wealth and prosperity of nations, 53; province of physical science, 59; distinction between the physical history and physical description of the world, 71, 72; physical science, characteristics of its modern progress, 81.
- Pindar, 227.
- Plana, geodesic experiments in Lombardy, 168.
- Planets, 89-99; present number discovered, 90. (See note by Translator on the most recent discoveries, 90, 91); Sir Isaac Newton on their composition, 132; limited physical knowledge of, 156, 157; Ceres, 64-92; Earth, 88-99; Juno, 64, 92-97, 106; Jupiter, 64, 87, 92-98, 202; Mars, 87, 91-94, 132; Mercury, 87, 92-94; Pallas, 64, 92; Saturn, 87, 92-94; Venus, 91-94, 202; Uranus, 90-94; planets which have the largest number of moons, 95, 96.
- Plants, geographical distribution of, 346-
- Plato on the heavenly bodies, &c., 69; interpretation of nature, 163; his geognostic views on hot springs, and volcanic igneous streams, 237, 238.
- Pliny the elder, his Natural History, 73; on comets, 104; aërolites, 122, 123, 130; magnetism, 180; attraction of amber, 188; on earthquakes, 205, 207; on the flame of inflammable gas, in the district of Phaselis, 223; rarity of jasper, 261; on the configuration of Africa, 292.
- Pliny the younger, his description of the great eruption of Mount Vesuvius, and the phenomenon of volcanic ashes, 235.
- Plutarch, truth of his conjecture that falling stars are celestial bodies, 133, 134.
- Poisson on the planet Jupiter, 64; conjecture on the spontaneous ignition of meteoric stones, 118; zodiacal light, 141; theory on the earth's temperature, 172, 173, 174, 176, 177.
- Polarization, chromatic, results of its discovery, 52; experiments on the light of comets, 105, 106.
- Polybius, 291.

- 115, 116.
- Pouillet on the actual source of atmospheric electricity, 335.
- Prejudices against science, how originated, 38; against the study of the exact sciences, why fallacious, 40, 52.
- Prichard, his physical history of Mankind, 352.
- Pseudo-Plato, 54
- Psychrometer, 332, 338.
- Pythagoras, first employed the word Cos mos in its modern sense, 69.
- Pythagoreans, their study of the heavenly bodies, 65; doctrine on comets, 103.
- Quarterly Review, article on Terrestrial Magnetism, 192.
- Quetelet on aërolites, 114; their periodic return in August, 125.
- Races, human, their geographical distri bution, and unity, 351-359.
- Rain drops, temperature of, 220; mean annual quantity in the two hemispheres, 333, 334.
- Reich, mean density of the earth, as as certained by the torsion balance, 170; temperature of the mines in Saxony, 174.
- Reisch, Gregory, his "Margarita Philosophica," 58.
- temusat, Abel, Mongolian tradition on the fall of an aërolite, 116; active volcanoes in Central Asia, at great distances from the sea, 245.
- Richardson, magnetic phenomena attend ing the Aurora, 197; whether accom-panied by sound, 200; influence on the magnetic needle of the Aurora, 201
- Riobamba, earthquake at, 204, 206, 208, 213, 214
- Ritter, Carl, his "Geography in relation to Nature and the History of Man," 48, 67.
- Robert, Eugene, on the ancient sea-line on the coast of Spitzbergen, 296.
- Robertson on the permanency of the compass in Jamaica, 181.
- Rocks, their nature and configuration, 228; geognostical classification into four groups, 248-251; i. rocks of eruption, 248, 251–253; ii. sedimentary rocks, 248, 254, 255; iii. transformed, or metamorphic rocks, 248, 249, 255, 256-269; iv. conglomerates, or rocks of detritus, 269, 270; their changes from the action of heat, 258, 259; phenomena of contact, 258-267; effects of pressure and the rapidity of cooling, 258, 267.
- Rose, Gustav, on the chemical elements. &c., of various aërolites, 131; on the structural relations of volcanic rocks, 234; on crystals of feldspar and albite found in granite, 251; relations of position in which granite occurs, 252-269; chemical process in the formation of various minerals, 265-269.
- Ross, Sir James, his soundings with 27,600 feet of line, 160; magnetic observations