

- Procœlian vertebræ, 188.
 Programme of animal life, 102.
 Progress of events before our eyes, 272.
 " " man as an intelligence, 353, 370.
 Prophecies of man in Nature, 331.
 Protozoa, 69, 316.
 Prout, Dr. H. A., 208.
 Providence in Nature, 333, 395.
Pterichthys, 99.
 Pterodactyls or Pterosaurs, 168, 178.
 Pterodactyl, haunts of the, 181.
 " footprints of, 182.
 Pythagoras on catastrophes, 385, 390.
 Quincy, Illinois, prairies of, 268.
 Quincy mine, 440.
 Quadrupeds, extinct, 202.
 " order of advent of, 203.
 " cemeteries of, 204.
 " American, with primeval man, 357.
 Quadrupeds, European, with primeval man, 354.
 Quantities of oil discharged, 286.
 Quiches, National Book of the, 387.
 Radiated animals, 102.
 " " order of, 315.
 Radiation of heat from the earth, 403, 404.
 " " " sun, 408.
 Rain, the first, 54.
Ramphorhynchus, 183, 184.
Raniceps Lyelli, 170.
 Raspberry seeds in ancient tomb, 260.
 Recession of Niagara Falls, 245.
 Reconstruction of extinct forms, 175.
 Reef-building polyps, 327.
 Refrigeration of the earth, 403.
 Reid, Dr., on the course of Nature, 391.
 Reign of fishes, 164.
 " " reptiles, 173.
 " " mammals, 199.
 " " ice, 213.
 Reindeer epoch, 353, 357.
 " folk, 357.
 " extinction of, 360.
 Religious nature of primeval man, 366.
 Renovation of continent, 219, 349, 401.
 Renovations and destructions in Nature, 381.
 Replenishing of solar heat, 409.
 Reptiles, earliest, 166.
 " reign of, 166, 173.
 " classification of, 167.
 " geological history of, 168.
 " oldest in United States, 170.
 " former abundance of, 194.
 " geography of empire of, 195.
 Reptile type unfolded, 317.
 Reptilian idea dominant, 318.
 Reservoirs of water in drift, 232.
 " " petroleum, 282.
 Rest, forces tend toward, 393, 396.
 Resurrection of matter, 429.
 Retardation of earth's rotation, 405.
 " " heavenly bodies, 419.
 Retrospective types, 320.
 Revolutions more and less general, 374.
 Rhinoceros, fossil, 208.
 " with man in Europe, 354.
 Richmond, Indiana, geology of, 340.
 Rigollot on primeval man, 356.
 Rings generated in cosmical vapor, 44.
 River-beds, ancient, 220, 269.
 " courses marked out, 224.
 Rivers from dissolving glaciers, 222, 223.
 Robinson's Folly, Mackinac Island, 248.
 Rocks, specimens of, easily obtained, 62.
 " classification of, 437.
 Rock-salt at Goderich, 304.
 " " Petite Anse, 306.
 Rocky Mountains in embryo, 94.
 " " developing, 201.
 " " wearing down, 230.
 Romans on catastrophes, 386.
 Rominger, Dr. C., 176.
 Rörerbüchel mines, 439.
 Rorison on precipitation of planets, 420.
 Ruminants, 203.
 Rush of passing events, 414.
 Safford, J. M., on Tennessee, 341.
 Saginaw Bay, 246.
 " salt wells, 304.
 Salamander, 167.
 Saliferous system, 296.
 Salina period and group, 125, 297.
 " salt basin, 303.
Salisbury, 321.
 Salt, common, its origin in the sea, 60, 296.
 " works at Mason City, 294.
 " universality of, 294.
 " and gypsum, 294.
 " the residuum of the ocean, 295.
 " lakes, 295.
 " plains, origin of, 295.
 " beds of Nevada, 295.
 " region of Europe, 296.
 " geology of, 296.
 " in coal-measures, 296.
 " not attributable to secondary action, 297.
 Salt formations, origin of, 297.
 " " of U. States, 303, 304, 305.
 " accumulation of, 298, 299.
 " basins, 299.
 " springs often illusory, 299.
 " where to bore for, 299.
 " in Michigan, 304.
 " in Salina group, 125.
 " at Petite Anse, 306.
 " wells not artesian, 300.
 Sand, glacial, 218.
 Sandstone, Old Red, 181.
 Sandstones of Venango County, Pa., 275.
 Sandusky, geology of, 126, 165.
 Santorin, new island of, 23.
 Satellites, origin of, 45.
 Saturn and his rings, 45.
 " " world-harmonies, 329.
Sauropus primævus, 188.
 Savoy Place and its piles, 257.
 Scenes in a coal mine, 141.
 Schmerling on primeval man, 355.
 Schoolcraft on Pictured Rocks, 87.