Scotland, slight earthquakes felt in, 344.

Ross, Sir R., antarctic expedition, 597. Rossberg, slide of the, 708. Rotaro, Monte, structure of, 546. Rotation of the earth, currents caused by, 284. — of crops, 647. 697. Rother, River, vessel found in its old bed, 304. 735. Royle, Mr., 83. Runn of Cutch described, 444.

Rye formerly destroyed by sea, 304.

## s.

Saarbruck, reptiles in coal strata at, 135. Sabine, Captain, on well at Chiswick, 235. , on waters of Amazon discolouring the sea, 328. Sabrina, island of, 415. 446. Saco, R., flood on, 198. Sahparunpore, buried town near, 707. St. Andrew's loss of land at, 290. gun-barrel, fossil, near, 737. St. Domingo, hot springs caused by earthquake in, 475. fossil vases, &c. in, 754. St. Helena, tides at, 278. St. Jago, earthquake at, 489. St. Katherine's Docks, a fossil vessel found in, 735. St. Lawrence, Gulf of, earthquakes in, 451. rocks drifted by ice in the, 222. St. Maura, earthquakes in, 455. St. Michael, siliceous springs of, 248. St. Michael's Mount, 310. St. Paul, volcanic island, 430. St. Vincent's volcanos of, 447. , counter currents in the air proved by eruption in, 107. , boa constrictor conveyed on driftwood to, 624. Salt, on its deposition in the Mediterranean, 321. Salt springs, 20. 249. Saltholm, island of, 499. Samothracian deluge, 341. Sand bars along western coast of Adriatic, 209. Sand bars divide lagunes from gulfs, 209. Sand, drift, estuaries blocked up by, 295. , imbedding of towns, organic remains, &c. in, 702. , cones of, thrown up during earthquake, 464. Sandown Bay, excavated by sea, 305. Sandwich Islands volcanos, 339. 356. 367 413. 529. Sandwich Land, perpetual snow to level of sea-beach in, 99. San Fillippo, travertin of, 243. Sanguinolaria rugos, range of,628. San Lio, on Etna, fissures in plain of, 383. Santa Maria, island of, raised 10 feet, 437. Santorin, geological structure of, 429. , chart and section of, 426. , new islands in Gulf of, 425. Saracens, learning of the, 19. : Saussure on the Alps and Jura, 47. -, on glaciers in Alps, 225. Savanna la Mar, swept away by sea, 707. Scandinavia called an island by the ancients, 499. -, gradual rise of, 499. 541. See Sweden. Scania, gradual subsidence of, 509. Scheuchzer, his theory, 1708, 35. Schmerling, Dr., on fossils in caves, 713, 714. Sciacca, island of. See Graham Island. Scilla on organic remains, 1670, 26. Scilla, rock of, 469. Scoresby, Captain, on the gulfstream, 97. -, on formation of field ice, 108. -, on weight of rocks transported by icebergs, 229. cited, 617. 719. Scotland, floods in, 196. 726. -, colder climate indicated by newest tertiary strata of, 125. , waste of islands and coast of, 285.

-, peat-mosses of, 697. 700. , marl-lakes of, 728. 741. 745. Scrope, Mr. G. P., on eruption of Vesuvius in 1822. 359. -, on columnar basalts of Vesuvius, 369. -, on pisolitic globules at Pompeii, 371. -, on eruptions of Etna, 392. 394. -, on cause of convexity of plain of Malpais, 413. -, on connection between state of atmosphere and earthquakes, 539. Sea does not change its level, but land, 17. , Moro on manner in which it acquired its saltness, 37. -, its influence on climate, 98. , area covered by, 124. -, its encroachment on coasts, 285. 289. 311. its rise and retreat during earthquakes, 479. Sea-beaches, raised, in Ireland, 122. -, progressive motion of, 304. Seals, migration of, 620. Sea-weed, banks formed by drift, 600. 745. Secondary rocks, fossils of the, 88. -, circumstances under which they originated 117. Sedgwick, Professor, on the Hartz mountains, 50. , on tertiary deposits of the Alps, 119. -, on the antagonist power of vegetation, 688. -, on organic remains in fissures, 717. , on diluvial waves, 407. Sediment of the Mississippi, 218. -, laws governing deposition of, 182. , in river water, 270. - of Ganges compared to lavas of Etna, 272. -, rate of subsidence of some kinds of, 329. -, area over which it may be transported by currents, S29. Sedimentary deposition, causes which occasion a shifting of the areas of, 182. Seeds, vitality of, 565. - of Leguminosæ adapted for water-carriage, 600. Serapis, temple of, 489. , ground plan of environs of, 489. , date of its re-elevation, 495. , now again subsiding, 497. Serres, E. R. A., on changes in brain of foctus, 587. Serres, M. Marcel de, on changes in buried human bones, 715. , on human remains in French caves, 714, 715. Severn, tides in estuary of, 279. , gain of land in its estuary, 311. Shakespeare's cliff, waste of, 302. Sharpe, Mr. D., on earthquake of Lisbon, 477. Sheep, multiplication of, in South America, 663. Shell marl, fossils in, 728. 741. 744. Shells, fossil of older strata buried in newer or recent beds, 750. See Testacea. Sheppey, waste of cliffs, 299. Shetland Islands, action of the sea on, 285. -, rock masses drifted by sea in, 286. effect of lightning on rocks in, 286. formation in progress near, 749. Shingle beaches, 306. 308. Ships, number of British, wrecked annually, 731, 732. , fossil, 304. 701. 794. Shropshire coal-field, 114. Siberia, rhinoceros entire in frozen soil of, 47. 82. map of, 81. , the Bengal tiger found in, 79. , lowland of, 80. 85, 86. , drift timber on coast of, 721. Siberian lowlands, climate of, 83. mammoths, 77.

Sicily, earthquakes in, 342. 452. 458. 460. 485. 712. \_\_\_\_\_\_, geological structure of, 76. 164. 177. Sienna, fossil shells of, 41. 76.