a detailed knowledge of the Secondary formations, 386, 388; his "Table of Strata," 388; collects materials for a geological map of England, 389; settles in London, 390; publishes his Map, 391; value of his work among the Jurassic formations, 392; involved in financial difficulties, 393; receives the Wollaston medal, 395; his personal appearance, 395; his publications, 396; his services to Stratigraphy, 401; limits of his stratigraphical knowledge, 409; description of his Map, 452.

- Smyth, Warington W., 457.
- Soland, Aimé de, 108.
- Somma, dykes of, 321.
- Sorby, H. C., 465.
- Spallanzani, 256.
- Springs, early conceptions of origin of, 28, 31, 61, 74.
- Staffa, 148.
- Stars, supposed influence of, in the production of "figured stones," 45, 50, 52.
- Steno, Nicholas, career of, 53; on fossil sharks' teeth, 54; his geological treatise, 55; on stratified formations, 55; on disturbances of strata, 56, 57, 302, 303; on erosion of strata, 57; on Fossils, 58; on geological history, 59.
- Strabo on Vale of Tempe, 8; on River Alpheus, 8; on statues said to have been brought from Troy, 8; on the Memnonium, 9; on the exodus of the Cimbri, 9; character of his *Geography*, 18; on volcanoes and earthquakes, 18, 19, 304; on origin of islands, 20; on hydrography of Mediterranean basin,

29; on deltas, 30; on rivers, 31; on displacing action of vegetable roots, 31; on the final destruction of the human race, 32; on fossils, 34; on former geological changes, 36.

Strachey, John, 194, 378.

Strange, John, 336.

- Strata, inferences from vertical, 185, 188, 199, 221.
- Stratification, Steno on, 55; disturbances of 57; de Maillet on, 86; de Saussure on, 185, 188; Strachey on, 194; Füchsel on, 198.
- Stratigraphy, early progress of, 56, 194, 198, 333.
- Strato on geological changes in Egypt, 33.
- Stukeley, W., 272.
- Supernatural, decay of the, in interpretations of topographical features, 8.

Surveys, national geological, 456.

- Tempe, explanations of origin of Vale of, 7.
- Tertiary Rocks, 180, 195, 341, 345, 363, 397, 399, 404, 408, 470.
- Text books of Geology, 401.
- Theophrastus on stones, 16; on a plastic virtue in Nature, 16, 45.
- Thessaly, draining of lake in, 7.
- Thuringer Wald, geology of the, 197.
- Tiber, River, 11.
- Transition Rocks of Werner, 214, 220, 231, 409, 470; early researches in, 410; Murchison's researches among, 414, 417, 419, 429; of America, 459, 460.

Trappean Rocks, 264, 265, 267. Travel, rise of Geological, 176.