

- Tibullus, his "Lustration of the Fields," 34.
- Tieck, Ludwig, quotation from, on Calderon, 73; on Shakspeare, 73, 74.
- Timochares, early Alexandrian astronomer, 177, 178.
- Tin, early commerce for, 130, 131.
- Titian, landscapes in his pictures, 88.
- Toledo, astronomical congress of, 223.
- Torricelli, his invention of the barometer, 338.
- Toscanelli, letters of, 246, 251; sea-chart, 261, 262; scientific acquirements, 267.
- Travels and travelers of the Middle Ages, 78, 249-253, 259; character of their narratives compared with those of modern times, 78, 79.
- Tropics, luxuriant beauty of the landscapes, 97; cultivation of exotic plants, 99-105; paintings of tropical scenery, 90-92; why more accurate and beautiful paintings may be anticipated, 99; associations connected with descriptions of tropical scenery, 99.
- Troy, data of its destruction, 115.
- Tscheu-kung, early measurement of the length of the solstitial shadow, 115.
- Tsing-wang (Chinese emperor), use of the compass and "magnetic cars," 191, 253.
- Tuscaroras, on the language and descent of, 236.
- Tycho Brahe, 109, 313, 316; his astronomical discovery of the "variation," 222.
- Tyre, Tyrians. See Phœnicians.
- Ukert on the amber trade of the ancients, 131.
- Ulugh Beig, observatory and gymnasium founded by, 223.
- Vedas, Indian hymns, in praise of nature, 50.
- Vegetation of the cold and tropical zones, 96, 97.
- Venus, discovery of its crescent shape, 325, 326.
- Vespucci, Amerigo, 239, 282, 286, 289, 292, 294; peculiar charm lent to his delineations of nature, 65; examination of the accidental causes which led to the naming of the New World, 297-301.
- Vidal, Capt., height of the Peak of Teneriffe, 135.
- Vincentius of Beauvais, 229, 241; his "Mirror of Nature," 246, 253, 254.
- Vinci, Leonardo da, landscape in his picture of Mona Lisa, 88; attainments in physical science, 283; on the ash-colored light of the moon, 320; geognostic conjectures, 347.
- Vinland, early American settlement of the Northmen, 230-232, 238.
- Virgil, beauty of his descriptions of nature, 32, 33.
- Vitruvius, 85, 98, 256.
- Voltaic pile, its discovery compared with that of the telescope, 354.
- Voltaire on the "Araucana" of Ercilla, 71, 72.
- Vossius, Isaac, researches on light, 333.
- Waagen, Professor, notes on early paintings, 86, 87.
- Warahamihara, Indian mathematician, 187.
- Wellsted, first reported the existence of three mountain chains in Arabia, 205.
- Weilaufl on the amber trade, 131.
- Xenophanes, his geognostic conjectures, 189.
- Yemen, its natural products, 204, 205.
- Young, Thomas, his discovery of the interference of light, 332, 343.
- Zeni, the Fratelli, travels of, 238.
- Zodiacal light, its discovery and scientific results, 329, 330.
- Zuniga, Juana de, wife of Cortez, 271.