

- researches of, 313; genetic view, 321; evolution, 327.
 Treviranus, L. C., botanical labours of, ii. 218.
 Truth, the search after, not the end of knowledge, i. 29.
 Tschirnhausen, referred to, i. 101.
 Tübingen school of theological criticism, i. 162.
 Turgot, founded the *École des Ponts et Chaussées*, i. 107; neglect of, by Napoleon, 149; statistics, ii. 571; 573.
 Turner disproves Prout's hypothesis, i. 402.
 Tycho, a forerunner of Bacon, i. 94; of Kepler, 157; 317; discovered variable stars, 327.
 Tylor, E. B., anthropologist, ii. 497.
 Tyndall, John, 'Heat,' ii. 57; and Faraday, 77; on Mohr's and Mayer's, &c., scientific work, 107; computations of Séguin, 109; his works translated into German, 148; 405; ubiquity of life, 452; "tone," 488.
 Type theory in chemistry, i. 411.
 Ueberweg and Beneke, ii. 495; 512.
 Ukert (see Heeren), i. 167.
 Ulrich, Duke, reconstituted University of Tübingen, i. 159.
 Units, living and lifeless, ii. 620.
 Unity of human interests, terms for, i. 33.
 Universities and high schools, relations of, i. 166.
 Universities, Belgian, i. 161.
 Universities, British, and others, dates of, i. 228.
 Universities, Danish, i. 161.
 Universities, Dutch, their influence on German culture, i. 160; 161.
 Universities, English, unique character of, i. 254.
 Universities, German, foundation of, i. 158; 162, 197; testimonies to the great work of, 225.
 Universities, Norwegian, i. 161.
 Universities, Russian, i. 161.
 Universities, Scotch, i. 160, 267, 271.
 Universities, Swedish, i. 161.
 Universities, Swiss, retarded development of, i. 163.
 University, Johns Hopkins, Lord Kelvin's lectures, ii. 55.
 University of Athens, i. 161.
 University of Geneva, i. 160.
 University of Göttingen, i. 164, 165, 175; prize essays on dynamics, ii. 97.
 University of Halle, i. 165.
 University of Kasan, i. 161.
 University of Maros Váshely, i. 161.
 "Unknowable," ii. 326; or unknown factor, 375.
 Unwin, W. C., "The Development of the Experimental Study of Heat-Engines," i. 331; theories of Rankine and Clausius, ii. 135.
 Valenciennes, Bell's theorem, i. 293.
 Valency, i. 447.
 Valmont de Bomare, i. 143.
 Valson, his Life of Cauchy quoted, ii. 637.
 Van't Hoff, 'La Chimie dans l'Espace,' i. 397; 'Die Lagerung der Atome im Raume,' 431; the carbon tetrahedron, 450, 451.
 Variation, ii. 331, 343; discontinuous, 623.
 Variations, calculus of, ii. 670.
 Varnhagen von Ense quotes Kant, i. 45; memoirs of, 279.
 Vasiliev, A., Address on Lobatchévsky, i. 161.
 Vauquelin, practical discoveries of, i. 147.
 Vector, ii. 655; analysis, 73, 655.
 Venn, John, 'The Logic of Chance,' ii. 569.
 Verdet, M., 'Œuvres de Fresnel,' quoted on Euler, ii. 9; referred to, 14; quoted, 25; history of undulatory theory, 26; 'Œuvres de Fresnel,' 26; quoted, 27, 41, 42.
 Veronese, G., ii. 737.
 Versification, German, catholicity of, i. 213.
 Verworn, Max, quoted, ii. 423; quoted on foam theory, 427; 'General Physiology' quoted, 445.
 'Vestiges of Creation,' published, ii. 318; 323, 327; and natural selection, 330.
 Vicq d'Azyr, i. 107; forerunner of Cuvier, 147; 200; pioneer of the mechanical view in biology, 219; anatomist, ii. 248; quoted, 255.
 Vieweg, publishers, ii. 300.
 Villenain, review of eighteenth-century literature, i. 59; quoted on Napoleon's educational projects, 151.
 Villers, 'Coup-d'œil sur les Universités d'Allemagne,' i. 225.
 Vinci, Lionardo da, mathematics and science, ii. 4; vision, 506.
 Vines, S. H., ii. 459.
 Virchow, Rudolf, "cellular pathology,"