

say that the above granite is as distinct from the West Country granites as any two species can be. Now for the first time we learn that the Peterhead granite was consolidated in the presence of compressed hydrogen, just as we know that the Dartmoor rock crystallized out of fluids charged with salts. The conditions were different and the minute results are different—very. Those intersecting planes of fracture are significant enough. The Rubislaw granite was consolidated; then cracked and recemented; then cracked again and recemented; and the cements varied in the two cases. In the one, the cementing silica was charged with gas, in the other not apparently so. These facts are patent to anyone who will take adequate pains to see them. The explanations must be left to experts.

A. R. HUNT.

*April 9, 1897.*

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OBITUARY.

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PROFESSOR EDWARD DRINKER COPE, A.M.,

FOR. CORR. GEOL. SOC. AND ZOOL. SOC. LOND.

BORN JULY 28, 1840.

DIED APRIL 12, 1897.

It is with deep regret that we record the death of Professor E. D. Cope, the eminent palæontologist and comparative anatomist, late of 2100, Pine Street, Philadelphia, Pa., U.S.A. E. D. Cope, who was born at Philadelphia, July 28, 1840, studied in the University of Pennsylvania and worked at anatomy in Europe (in 1863-4). For the three succeeding years (1864-7) he filled the Chair of Professor of Natural Science in Haverford College, Philadelphia, and was for some years Curator and Corresponding Secretary of the Academy of Natural Sciences in that city. At the time of his death he held the Chair of Geology and Palæontology in the University of Pennsylvania. From 1871-7, he carried on explorations in the Cretaceous strata of Kansas; the Eocene of Wyoming; the Tertiary beds of Colorado. He also served on the U.S. Geological Survey in 1874 in New Mexico; in North Montana in 1875; in Oregon and Texas in 1877.

He has accumulated a collection of over 1000 species of extinct Vertebrata, and has made known at least 600 species new to science. Professor Cope was a voluminous writer, and his papers are published in the Proceedings of the scientific Societies of Philadelphia, and in the Reports of the U.S. Geological Survey of the Territories under Dr. F. V. Hayden and Captain Wheeler. Professor Cope was an advanced Evolutionist, and his contributions on this subject have been very numerous. He was the senior Editor of the "American Naturalist," a monthly journal which contains many of his original essays. He was a Foreign Correspondent of the Zoological and Geological Societies of London, and received the Bigsby Gold Medal in 1879 from the latter Society, in recognition of the genius and skill with which he had enriched the sciences of Comparative Anatomy and Palæontology, and the immense and varied work which he had achieved among the fossil Vertebrata.