



# **Characteristics of Volcanoes; With Contributions of Facts and Principles from the Hawaiian Islands, Including a Historical Review of Hawaiian Volcanic**

*James Dwight Dana*

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This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1890 edition. Excerpt: ... winter, no one ascended the mountain." In May a great increase of activity began in Kilauea. 1868, Great Eruption Commencing In Earthquakes. March 27.---On March 27, Friday, many slight earthquakes were felt in Kau, southern Hawaii, and in Kona, the southwestern district. On the 28th they were more energetic and frequent, and extended east to Hilo, and northward through Kona. Mr. T. D. Paris, of Kealahou, South Kona, reports<sup>2</sup> that on the morning of Friday fire and great columns of smoke" were seen at the summit; and on Saturday the 28th the fires were visible from Hilo, according to Mr. Coan.<sup>3</sup> Mr-F. S. Lyman reports, from Kau, that the first outbreak was a little to the southwest of the summit; that others followed, and soon the lavas were seen in four streams running down the mountain in a southerly and easterly direction. 1 Coan, American Journal of Science, 1866, 2d series, xli.424, letter of Feb. 27, 1866; and xliii. 264, 1867, letter of August 31, 1866. a Paris, American Journal of Science, 1868, 2d series, xlvi. 107. Coan, Ibid., p. 106; F. S. Lyman, Ibid., p. 109; H. M. Whitney, Ibid., p. 112. By Sunday (the 30th) the line of smoke had advanced about fifteen miles on a line toward Captain Brown's house in Kahuku. (See southern part of map of Hawaii.) But the light of the summit had disappeared; it was not seen at Hilo after the 28th. During this time, however, the earthquakes became still more violent and destructive, and almost continuous. On Thursday, April 2, at four p. m., occurred "the terrible shock," destroying houses and life, making fissures of great length and depth, dislodging rocks, and half a mile in breadth of marshy earth from the mountain side of Kapapala, to the destruction of a...

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