

can be adduced in support of the subsidence or "continental" as for the emergence or "oceanic" origin of the archipelago. So evenly divided are the authorities that 19, namely, Darwin, Wallace, Hooker, A. Agassiz, Salvin, Griesebach, Engler, Moritz Wagner, Peschel, Wolf, Dall, Stewart, Stearns, Snodgrass, Heller, Robinson, Williams, McNeill and Matthew, have expressed themselves in favor of the "oceanic" hypothesis, while an equal number, namely, H. Milnes Edwards, Murray, Baur, Hemsley, Ridgway, Robinson and Greenman, Boetger, von Ihering, Handlirsch, Scharff, Ortman, Ratzel, Günther, Sarasin, Gadow, Arldt, Barbour, and Van Denburgh, have expressed themselves as favoring a "continental" origin of the archipelago. Eleven other workers who have studied material from the islands, namely Banks, Coquillett, Currie, Heidemann, Kellogg, Gifford, Linell, Howard, Garman, Rothschild and Hartert, have not committed themselves to either hypothesis. Some of the authors who take sides in the controversy are evidently influenced by the fancied facilities afforded by their special groups of organisms for transportation by winds or currents from the western coast of South or Central America. The botanists find it easy to suppose that seeds and the spores of ferns have thus found their way to the islands, while herpetologists balk at postulating such means of transportation for the huge land tortoises which have been so carefully studied by Baur and by Van Denburgh. At least one of the authors, Robinson, has changed his views in the course of his studies. In his first paper on the flora, written in collaboration with Greenman¹¹, he favored the Murray-Baur hypothesis of a continental origin of the islands, but in a more voluminous work¹², based on additional collections, he returns to the older Darwin-Wallace hypothesis. Some authors, like Stearns¹³, Dall¹⁴ and Stewart, make much of the "flotsam and jetsam" origin of the Galapagos fauna and flora, whereas

¹¹ Robinson, B. L., and Greenman, J. M. On the Flora of the Galapagos Islands as shown by the collections of Dr. G. Baur. Amer. Journ. Sci., 50, 1893, pp. 135-176.

¹² Robinson, B. L. Flora of the Galapagos Islands. Papers from the Hopkins Stanford Expedition to the Galapagos Islands. Proc. Amer. Acad. Arts and Sci., 38, 1902, pp. 77-269, 3 pls.

¹³ Stearns, R. E. C. Report on the Mollusk Fauna of the Galapagos Islands, with Descriptions of New Species. Proc. U. S. Nat. Mus., 16, 1893, pp. 353-450.

¹⁴ Dall, W. H. Insular Landshell Faunas, Especially as Illustrated by the Data Obtained by Dr. G. Baur in the Galapagos Islands. Proc. Acad. Nat. Sci., Phila., 1896, pp. 395-459, 3 pls.