

would have resulted in manifestations of the same phenomena then as now ; — an acid would have effervesced as freely with an alkali ; and each fibre of an electrified feather — had feathers then existed — would have stood out as decidedly apart from all its neighbors. We must therefore hold, if we believe with the author of the “ Vestiges,” first, from the Weekes experiment, that in all times, and in all places, every centre of a certain chemical and electric action would have become a new centre of creation to certain *recent* species of low, but not *very* low, organization ; and, second, from his doctrine regarding the identity of the British and Continental floras, that in the course of subsequent development from these low forms, the process in each of many widely-separated centres, — widely separated both by space and time, — would be so nicely correspondent with the process in all the others, that the same higher *recent* forms would be matured in all. And to doctrines such as these, the experience of all Geologists, all Phytologists, all Zoologists, is diametrically opposed. If these doctrines be true, *their* sciences are false in their facts, and idle and unfounded in their principles.