

as forces in the Stone Age? and with those mentioned innumerable other relationships will undoubtedly be formed, of which we as yet have no conception. But the central fact in this storm of action which alone is important to us here, and which I wish to make plain, is this, that all the advance made by man in his direct relation with the external world through his active nature has been necessarily justified by and made possible by the forces of that external world; and that the hope of any further progress which he may look to make in the same direction must rest upon a belief, beyond all doubt well founded, in the existence of phases of force with which he may yet put himself in relation, and which will justify and render possible a further advance. We all of us, in fact, believe that the inter-relationship between man's active nature and the forces of the outside world is practically in its possibilities unlimited. That the external world is prepared to justify and support any conceivable advance in the same direction in which man's active nature has advanced in the past—that man's active development may take in the future.

A parallel statement regarding man's intellectual nature would be also true. This in its early crude state was forced into contact with the phenomena and relations which exist in nature, and a knowledge of the more obvious and simple of them was acquired. Ideas of num-