

found themselves, must have resulted! What changes in these animals and plants themselves must have been gradually brought about by altered habits and altered food, and by the process of selection which new surroundings would result in! It is not difficult to conceive how new varieties and species would from time to time follow, and how new genera would be created.

[NOTE.—Amid the great mass of material which it has been necessary to bring together in preparing this paper, it is difficult to single out special collectors without referring to all, but I think it right to acknowledge the assistance in regard to our far western flora which Dr. G. M. Dawson and Mr. Macoun's publications have given me, particularly by indicating in nearly every case the precise localities of occurrence.]—A. T. D.