## SECTION XI.

COMMUNITY OF STRUCTURE AMONG ANIDEALS LIVING IN THE BAME REGIONS.
The most interesting result of the enrliest investigntions of the faunn of Australin was the discovery of a type of aumals, the Marsupialin, prevailing upon this continental island, which are unknown in almost every other part of the world. Every student of Natural History knows now that there are no Quadrumana in New Holland, neither Monkeys, nor Makis: no Insectiorru, neither Shrews, nor Moles, nor Hedgehogs; no true Carnivora, ${ }^{1}$ neither Bears, nor Wensels, nor Foxes, nor Viverras, nor Hyenas, nor Wild Cats; no Edentuta, neither Sloths, nor Tatous, nor Ant-eaters, nor Pangolins; no Pachyderms, neither Elephants, nor Hippopotamuses, nor Hogs, nor Rhinoceroses, nor Tapirs, nor Wild Horses; no Ruminantia, neither Camels, nor Llamas, nor Deers, nor Goats, nor Sheep, nor Bulls, etc., and yet the Mnmmalin of Australia are almost as diversified as those of any other continent. In the words of Waterhouse, ${ }^{2}$ who has studied them with particular care, "the Marsupinlin present a remarkable diversity of structure, containing herbivorous, carnivorous, and insectiverous species; indeed, we find amongst the marsupial animals annlogous representations of most of the other orders of Mammalia. The Quadrumana are represented by the Phelangers, the Carnivora by the Dnsyuri, the Insectivora by the small Phnscogales, the Rummanantia by the Kangaroos, and the Edentuta by the Monotremes. The Cheiroptera are not represented by any known marsupinl animals, and the Rodents are represented by $a$ single species only; the hiatus is filled up, however, in both cases, by placental species, for Bats and Rodents are tolerably numerous in Australia, and, if we except the Dog, which it is probable has been introduced by man, these are the only placental Mammalia found in that continent." Nevertheless, all these animals have in common some most striking anatomical characters, which distinguish them from all other Mammalin, and stamp them as one of the most natural groups of that class; their mode of reproduction, and the connection of the young with the mother, are different; so, also, is the structure of their brain, etc. ${ }^{\text {a }}$

Now, the suggestion that such peculiarities could be produced by physical ngents is for ever set aside by the fact thant neither the birds nor the reptiles, nor, indeed, any other animals of New Holland, depart in such $\Omega$ mamner from the ordinary char-

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[^0]:    ${ }^{1}$ Doubts are entertnined respecting the origin of the Dingo, the only henst of prey of New IIolland.
    ${ }^{2}$ Whtenhouse, (G. A.,) Naturnl Ilistory of the MLummilia, London, 1848, 2 vols. 8vo., vol. i., p. 4.

[^1]:    ${ }^{5}$ Sec Owes, (R.) Marsupialit in Tudl's Cyelnpediat of Anat. and Plyssiol., London, 18.11, 8vo., and several chborate pupers by himself and others, quoted there.

