of eccentric or irregular forms. Perfect symmetry is most general where the number of rays is based on the numbers 4 or 6 (which, it is to be noted, are multiples of 2 and 3), 4 being the number for the class of Medusæ, and both 4 and 6 occurring in that of Polyps. But if the number of rays is 5, as in the highest of Radiates, the Echinoderms, while examples of perfect symmetry occur, there are many cases of unsymmetrical forms (as in the Spatangi) in which the Radiate type seems to tend to emerge from phytoid towards true animal-like forms. In the regularly radiate, the mouth is central or very nearly so, while in the Spatangi, there is something of the fore-and-aft form of the animal.

Among species under the true animal-type, there are forms showing an approximation to the central position which the mouth has in Radiates. In a Limulus, for example, the mouthaperture is only one-half less remote from the anterior margin of the body than from the posterior (base of caudal spine). The Limuli are extreme in amplificative decephalization and in lowness of grade. Under the multiplicative method also, there is something similar in Worms and Myriapods. The head is here strictly at the anterior extremity; but the cephalic force has so feeble control, that joints multiply behind; and in the lowest of Worms, each separate segment is nearly equal in all functions to the cephalic segment. Moreover, in the embryological development of an Annelid, the first segment (with its pair of appendages) that is formed after the appearance of the head is not the anterior one close to the head, but the eighth (or one near this); and from this point the rings form in succession posteriorly, and also towards it from the head; as if, in these multiplicate species. there was a secondary centre of force distant from the front which preponderates over the primary one.

This method viewed on the ascending grade is the holozoic, (from $\delta \lambda os$ all, and $\zeta \omega ov$ animal); it is exhibited in a rise from the plant-like type to the true animal-like type.

E. POSTURAL.

11. Postural.—Exhibited in an increasing proneness in the position of the nervous system—the extremes being verticality in Man, and horizontality in the Fish.

F. EMBRYOLOGICAL.

12. Prematurative.—Exhibited in precocity of young or larves. Thus, the chicken, as soon as born, runs about and seeks its own food, while the young of those Birds which belong to the superior group,—the true flying Birds—remain helpless until able to fly; a fact recognized in Bonaparte's classification of Birds. So the young colt or calf (Herbivorous) is on its legs almost as soon as born; but the young kitten (Carnivorous, and higher in type) is for a considerable time helpless.