

amination he has ascertained that, independently of the number of pieces which may be contained in the vertebral column, and which, from its probable length, may be very numerous, the fossil skeleton of the superior part of the Lily Encrinite (*Encrinites Moniliformis*) consists of at least 26,000 pieces. See Pl. 50, Figs. 1, 2, 3, 4, &c.\*

Mr. Miller observes that this number would increase most surprisingly, were we to take into account the minute calcareous plates that are interwoven in the integument covering the abdominal cavity and inner surface of the fingers and tentacula.†

* Bones of the Pelvis .....	5
Ribbs .....	5
Clavicles .....	5
Scapulæ .....	5
Arms. Six bones in each of the ten arms ....	60
Hands. Each hand being formed of two fingers, and each finger consisting of at least 40 ossi- cula, these in 20 fingers make .....	800
Tentacula. 30 proceeding from each of the 6 bones in each of the ten arms, make .....	1800
30 proceeding, on the average from each of the 800 bones of the fingers make .....	24,000
	Total 26,680

† Although the names here used are borrowed from the skeleton of vertebrated animals, and are not strictly applicable to radiated Echinoderms, it will be convenient to retain them until the comparative anatomy of this order of animals has been arranged in some other more appropriate manner.