

*Notes on the Geographical Distribution.*—An examination of the foregoing list shows that of the 631 species taken in this zone between 500 and 1000 fathoms, 356 species (or 56 per cent.) were taken south of the southern tropic, 282 species (or 45 per cent.) were taken within the tropics, and 164 species (or 26 per cent.) were taken north of the northern tropic; while 30 species (or 5 per cent.) were found to be common to all those three areas, 23 species (or 4 per cent.) were common to the southern and northern areas, 57 species (or 9 per cent.) were common to the southern and tropical areas, and 32 species (or 5 per cent.) were common to the tropical and northern areas.

6. ANIMALS OBTAINED IN THE DREDGINGS AND TRAWLINGS IN DEPTHS  
BETWEEN 100 AND 500 FATHOMS.

The Challenger dredged or trawled at 40 Stations where the depth was between 100 and 500 fathoms, about 6000 specimens of invertebrates and fishes being procured, belonging to about 2050 species and about 865 genera. The total number of species and genera actually described and recorded in the Zoological Reports from the zone between these depths amounts to 1893 species and 776 genera, of which 1296 species (or 68 per cent.) and 168 genera (or 21 per cent.) are new to science, as shown in the following list. Those species taken by the Challenger in this zone only (numbering 1408 species, or 74 per cent.) are indicated by an asterisk thus.\* The geographical distribution of the species is indicated by the heavy letters S, T, and N, used to denote that the species was taken *south* of the tropic of Capricorn (S), *between* the tropics of Capricorn and Cancer (T), or *north* of the tropic of Cancer (N.)

KERATOSA :

* <i>Cacospongia intermedia</i> , n.sp.	T	* <i>Desmacella annexa</i> , Schmidt.	T
* „ <i>levis</i> , n.sp.	T	* <i>Desmacidon fruticosa</i> (Montagu).	S
* „ <i>spinifera</i> , n.sp.	T	„ (?) <i>ramosa</i> , n.sp.	S
* <i>Stelospongos longispinus</i> (Fonbressin and Michelotti).	T	<i>Echinoclathria carteri</i> , n.sp.	S
* <i>Verongia tenuissima</i> , Hyatt.	T	* <i>Esperiopsis pulchella</i> , n.sp.	T
		* „ <i>symmetrica</i> , n.sp.	S
		* <i>Gellius angulatus</i> (Bowerbank).	N
		„ <i>carduus</i> , n.sp.	S
		„ „ var. <i>magellanica</i> , nov.	
		* „ <i>glacialis</i> , n.sp.	S
		* „ „ var. <i>nivea</i> , nov.	

MONAXONIDA :

<i>Axinella erecta</i> (Carter).	S
* <i>Clathria inanchorata</i> , n.sp.	S