

Notes on the Geographical Distribution.—An examination of the foregoing list shows that of the 412 species taken in this zone between 1500 and 2000 fathoms, 274 species (or 67 per cent.) were taken south of the southern tropic, 101 species (or 25 per cent.) were taken within the tropics, and 137 species (or 33 per cent.) were taken north of the northern tropic; while 30 species (or 7 per cent.) were found to be common to all those three areas, 18 species (or 4 per cent.) were common to the southern and northern areas, 13 species (or 3 per cent.) were common to the tropical and northern areas, and 20 species (or 5 per cent.) were common to the southern and tropical areas.

4. ANIMALS OBTAINED IN THE DREDGINGS AND TRAWLINGS IN DEPTHS BETWEEN 1000 AND 1500 FATHOMS.

The Challenger dredged or trawled at 25 Stations where the depth was between 1000 and 1500 fathoms, about 2000 specimens being procured, belonging to about 600 species and about 400 genera. The total number of species and genera actually described and recorded in the Zoological Reports from the zone between these depths amounts to 508 species and 327 genera, of which 365 species (or 72 per cent.) and 83 genera (or 25 per cent.) are new to science, as shown in the following list. Those species taken by the Challenger in this zone only (numbering 277 species, or 55 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).

DEEP-SEA KERATOSA :

* *Psammina globigerina*, n.g., n.sp. T

MONAXONIDA :

Phakellia ventilabrum (Johnston), var.
connexiva, nov. S T

Rhizochalina fistulosa (Bowerbank). N

Tentorium semisuberites (Schmidt). S N

* *Trichostemma sarsii*, n.sp. T N

TETRACTINELLIDA :

Azorica pfeifferæ, Carter. T N

* *Isops pachydermata*, n.sp. N

* *Tetilla sandalina*, n.sp. N

Thenia schmidtii, n.n. T N

* ,, *wrightii*, n.sp. S

* ,, sp. (?). T

HEXACTINELLIDA :

Aphrocallistes bocagei, Wright. T N

Aulocalyx irregularis, n.g., n.sp. S

Chonelasma lamella, n.g., n.sp. S N

* ,, sp. (?). N

Dactylocalyx (?) *patella*, n.sp. N

* *Euplectella nodosa*, n.sp. N

,, *suberea*, n.sp. T N

* *Farrea* sp. (?). S

Holascus fibulatus, n.g., n.sp. S

* *Hyalonema poculum*, n.sp. S

* ,, (*Stylocalyx*) *thomsoni*,
Marshall, var. *exiguum*,
nov. N

* ,, , two species undeter-
mined. T