



FIG. 3.—Curves illustrating the bathymetrical distribution of the Tetractinellida as deduced from the Challenger observation. A. Bathymetrical curve of the Tetractinellida compared with that of the other groups of Sponges and with that of all the groups taken together. The dotted lines indicated by letters with a dash refer to the distribution of the number of successful Stations, the continuous lines to the frequency of the occurrence of species; *a*, *a'*, curves of the Sponges taken all together; *b*, *b'*, of the Monaxonida; *c*, *c'*, of the Hexactinellida; *d*, *d'*, of the Tetractinellida; *e*, *e'*, of the Calcareous; *f*, *f'*, of the Ceratosa. B. Bathymetrical curves of the Tetractinellida and of its two orders—Choristida and Lithistida. T. Tetractinellida; C. Choristida; L. Lithistida; I., depth from 0 to 50 fathoms; II., from 51 to 200; III., from 201 to 1000; IV., from 1001 to greater depths.