

of 129 to 140 fathoms, while the beautiful *Lefroyella decora* was dredged at the Bermudas from a depth of 435 fathoms.

*Aphrocallistes* also occurs at very diverse depths. Some forms were found near the Philippines at 375 fathoms, and off St. Thomas at 390 fathoms, while others occurred off Ascension and St. Thomas at depths of 420 to 450, and others finally at the Bermudas at a depth of 1075 fathoms. Among the Coscinoporidæ, the genus *Chonelasma* was represented at depths of 450, 630, and 1075 fathoms in the North Atlantic, the South Indian Ocean, and the South Pacific. Among the Tretodictyidæ the genus *Hexactinella* occurred near Little Ki Island at a depth of 129 to 140, off the Crozet Islands at a depth of 550 fathoms. *Cyrtaulon* and *Fieldingia* also occurred only near Little Ki Island at depths of 129 to 140 fathoms, while *Sclerothamnus* was found near the Banda Islands at slightly greater depths, down to 360 fathoms. Of the remarkable Mæandrospongidæ, *Dactylocalyx* was found below 1000 fathoms (1075) near the Bermudas. *Myliusia callocyathus*, and *Aulocystis zittelii*, on the other hand, occurred at the comparatively slight depth of 129 to 140 fathoms off Little Ki Island, and at depths of 360 to 390 fathoms near the Bermudas and St. Thomas.