

Professor Verrill observes that not a single West Indian coral occurs on the Panama coast, although, on the opposite coast, at Aspinwall, there are found nearly all the reef-building species of Florida, viz. : *Porites astræoides* Lmk., *P. clavaria* Lmk., *Madrepora palmata* L., *M. cervicornis* L., *M. prolifera* L., *Mæandrida clivosa* V., *M. labyrinthica*, *M. sinuosa* Les., with other species of *Mæandrina*, *Manicina areolata* Ehr., *Siderastræa* (*Siderina*) *radiata* V., *S. galaxea* Bl., *Agaricia agaricites*, *Orbicella cavernosa* V., *O. annularis* D. Moreover no West Indian species is known to be identical with any from the Pacific or Indian Ocean.

The reefs of the Brazilian coast south of Cape Roque lie in the subtorrid region of oceanic temperature, or between the isocrymes of 74° and 68°. The reef corals extend as far south as Cape Frio, according to Professor C. F. Hartt. The species, as determined by Professor Verrill, from Professor Hartt's collections, resemble the West Indian. All species of *Madrepora*, *Mæandrina*, *Diploria*, *Manicina*, *Oculina*, genera eminently characteristic of the West Indies, appear to be wanting, while the most important reef-making genera are *Favia*, *Acanthastræa*, *Orbicella*, *Siderastræa*, *Porites*, and *Millepora*, and also, of less importance, *Mussa* and some others. A few species, viz. : *Siderastræa stellata* V., *Orbicella aperta* V., *Astræa gravida* V., and *Porites solida* V., are very close to West Indian species ; and *Millepora alcicornis* is an identical species, though different in variety.

The Bermudas are in the North Atlantic subtorrid region, in the range of the Gulf Stream. The few reef-making species that occur there are all West Indian, viz. : The species of the *Astræa* tribe, *Isophyllia dipsacea*, *I. rigida*; *Diploria cerebriformis*; of the *Oculina* tribe, *Oculina diffusa*, *Oculina varicosa*, *Oculina pallens*, *Oculina Valenciennesii*; of the *Fungia* tribe, *Siderastræa radians*, *Mycedium fragile*; of the *Madrepora* tribe, *Porites clavaria*; also the *Millepora alcicornis*, and the common West India Alcyonoids, *Gorgonia flabellum*, *Plexaura crassa* Lx., *Pl. flexuosa* Lx., *Pl. homomalla* Lx., *Pterogorgia Americana* Ehr., *Pt. acerosa*, Ehr.