

Z. cyanea Ag.¹—*Florida: Key West* (Agassiz).

Z. vitrina Ag.—*Æquorea vitrina* Gosse, Devon., Pl. 23.—*Devonshire* (Gosse).

Rhegmatodes A. Ag.²

R. tenuis A. Ag.³—*Buzzard's Bay: Naushon* (A. Agassiz).

R. floridanus Ag.⁴—*Florida: Key West* (Agassiz).

R. Forbesianus Ag.—*Æquorea Forbesiana* Gosse, Devon., Pl. 24.—*Devonshire* (Gosse).

R. globosa Ag.—*Æquorea globosa* Esch., Pl. 10, fig. 2.—*Pacific Ocean, near the Equator* (Eschscholtz).

Stomobrachium mirabile Köll.—*Messina* (Kölliker), belongs to this genus.

Stomobrachium Br.⁵ (non *Forbes*).

St. lenticulare Br., Pl. 3, fig. 7.—*Falkland Islands* (Mertens).

St. tentaculatum Ag.⁶—*Massachusetts Bay, Nahant* (Agassiz).

¹ *Zygodaetyla cyanea* Ag. Spherosome of a light blue color; this species can at once be distinguished from the *Z. grœnlandica* by the greater thickness of the spherosome, the shorter digestive cavity, with a large actinostome surrounded by innumerable small fimbriated lips, and the greater radius of the digestive cavity, which is more than half that of the spherosome itself. Actinal diameter three inches, polar diameter two inches.—*Key West, Florida* (Agassiz).

² *Rhegmatodes* A. Ag. Spherosome flat; chymiferous tubes numerous; digestive cavity short, of small diameter compared to that of the spherosome; lips of actinostome scarcely fimbriated. Large tentacles, twice as numerous as the chymiferous tubes, and not always placed opposite them; rudimentary tentacles between the larger ones.

³ *Rhegmatodes tenuis* A. Ag. Specimens measuring between three and four inches have been found at Naushon. Ratio of actinal to polar diameter as one to three and a half; in young specimens as one to one and a half; in large specimens there were thirty chymiferous tubes, extending along the bulging of the disk into the cavity of the bell. Digestive cavity very short, lips of actinostome resembling a piece of catgut tied near the end. The ovaries do not extend to the circular tube, but hang

down in two pouches from the chymiferous tubes. Spur placed opposite the base of the large tentacles. Two marginal capsules for each large tentacle, two granules in each marginal capsule, placed opposite one another, near the circumference. Disk colorless.—*Naushon, Buzzard's Bay* (A. Agassiz).

⁴ *Rhegmatodes floridanus* Ag. resembles the young of *Rhegmatodes tenuis* at the time when it has from sixteen to twenty-four chymiferous tubes. This species has three large tentacles between every two chymiferous tubes, and one opposite each. Ovaries extending only along the middle portion of the chymiferous tubes; from three to five marginal capsules between the large tentacles, with two, or even three granules in each.

⁵ This genus differs chiefly from the other *Æquorida*, by the structure of its actinostome, which is distinctly divided into four lobes.

⁶ *Stomobrachium tentaculatum* Ag. The tentacles between every two chymiferous tubes are from thirty to forty in number. The ovaries extend along the greater part of the chymiferous tubes, except a small portion of the actinal and abactinal ends. The lobes of the actinostome are only four in number. The disk is colorless.—*Massachusetts Bay, Nahant* (Agassiz).