

SCHEME OF THE GENUS *GLOBIGERINA*.

A. Test Rotaliform, chambers opening individually into an inferior umbilical vestibule.

1. Segments globular, about seven in number, four in the outer whorl, *Gl. bulloides*, d'Orb.
2. Three segments in the outer whorl, relatively very large, " " var. *triloba*, Reuss.
3. Shell turbinoid, orbicular, somewhat compressed; segments numerous, inflated, five or six in the outer whorl, *Gl. dubia*, Egger.
4. Shell much compressed, outspread; with about three distinct convolutions; segments five or more in the outer whorl, *Gl. cretacea*, d'Orb.
5. Shell biconvex, much compressed; periphery thin or subcarinate; segments numerous, marginate, *Gl. marginata*, Reuss, sp.
6. Shell compressed or complanate; periphery thick, square, or bicarinate; segments numerous, arranged in about three whorls; sutures limbate, *Gl. linnæana*, d'Orb., sp.
7. Shell trochoid; early segments small and regular, later segments, especially the final one, much elongated, and spreading radially, *Gl. digitata*, Brady.

B. Test Rotaliform, external aperture a single arched opening at the inferior umbilical margin of the final segment.

8. Shell small, subglobular, somewhat compressed; consisting of two convolutions, the outermost composed of four segments; segmentation obscure externally, *Gl. pachyderma*, Ehrenb., sp.
9. Shell rounded, both faces convex; consisting of about three convolutions, the outermost having five segments; later segments inflated; aperture semicircular, comparatively small, *Gl. dutertrei*, d'Orb.
10. Superior face nearly flat, inferior highly convex, peripheral edge rounded; four segments in the outer whorl; aperture large and gaping, *Gl. inflata*, d'Orb.

C. Test Rotaliform; aperture a single arched orifice on the inferior face, and two, three, or more rounded openings in the sutural depressions of the superior face.

11. Shell forming a regular, more or less elevated, trochoid spire; three segments in the final convolution; colour pink, *Gl. rubra*, d'Orb.
12. Shell nearly spherical, compact; the three segments of the final whorl large and inflated, forming a convex base, *Gl. conglobata*, Brady.
13. Shell oblong, compressed; segments few, four in the outer convolution; ultimate segment, and sometimes the penultimate, elongated radially and more or less pointed, *Gl. sacculifera*, Brady.
14. Shell oblong, ovate; the outer whorl consisting of four segments, two large and oblong, side by side, two small and rounded placed one at each end, *Gl. helicina*, d'Orb.

D. Test planospiral, bilaterally symmetrical, aperture on the median line.

15. Test evolute, loosely coiled, aperture symmetrically placed at the inner margin of each segment, *Gl. æquilateralis*, Brady.

With reference to *Globigerina digitata*, it may be remarked that large examples have a tendency to assume the planospiral mode of growth, the outer convolution almost enclos-