

latter particular is by no means confined to the present species, but may be noticed amongst allied forms.

*Discorbina saulcii* occurs in two soundings off Tahiti, at depths of 420 and 620 fathoms respectively. Fine well-characterised specimens were abundant in sand dredged by the late Mr. M'Andrew in the Gulf of Scala Nova, Levant, depth 100 fathoms. The habitat named by d'Orbigny is the shore-sand of Arica, Peru.

*Discorbina allomorphinoides*, Reuss, sp. (Pl. XCI. figs. 5, 8).

*Valvulina allomorphinoides*, Reuss, 1860, Sitzungsber. d. k. Ak. Wiss. Wien, vol. xl. p. 223, pl. xi. fig. 6.

I think I am right in referring certain recent specimens, exemplified by the two figures 5 and 8, to Reuss's Cretaceous species; and also in placing them amongst the *Discorbinae*, notwithstanding the fine texture and minute perforation of the shell-wall, which suggest rather an affinity to *Pulvinulina*. Their connection with more typically constructed *Discorbinae* is more easily traced in some specimens than others, and even when least apparent may generally be recognised by comparison with forms bearing intermediate characters.

The specimens alluded to were collected at three localities, namely:—off the Philippine Islands, 95 fathoms; off Raine Island, 155 fathoms; and at Port Jackson, 2 to 10 fathoms.

The original *Valvulina allomorphinoides* of Reuss was from the Cretaceous formations of Westphalia.

*Discorbina ventricosa*, n. sp. (Pl. XCI. fig. 7, a.b.c.).

Test free, oblong, rounded, more or less depressed; composed of less than two complete convolutions, the outer whorl consisting of six or seven segments; the successive segments increasing rapidly in length; septal faces ventricose, especially that of the final chamber; sutures excavated. Superior face hispid externally, inferior smooth; umbilicus deeply sunk, valvular flaps but little developed. Diameter, about  $\frac{1}{16}$ th inch (0.5 mm.).

The affinity of this little Foraminifer is somewhat obscure. If correctly assigned to the present genus, it may be ranked as a Discorbine isomorph of *Pulvinulina hauerii* or *oblonga*.

The best specimens occur in material dredged off Bermuda, 435 fathoms; but similar forms have been observed off Gomera, Canaries, 620 fathoms; off the Azores, 450 fathoms; and off Raine Island, 155 fathoms.