

to the millimeter, run backward from the suture and each keeps approximately in the plane of its origin till it terminates on the columella.

Observations. The apical angle of the shell in its two whorl stage is considerably over 100° , and becomes reduced to about 80° on the completion of the third whorl; on certain lines the fourth whorl rather increases this angle and so makes the outline across three whorls from shoulder to shoulder slightly concave. The revolving keels appear in the second whorl.

The earlier portions of the suture are a little more angulated, but acceleration seems to have carried back toward the apex the peculiar feature of making the suture appear as one of the grooves.

The slight flattening of the upper surfaces of the whorls and the very marked obliteration of the suture by turning it into a groove so very like the others may have served to make the shell less readily distinguishable, as such, to the primitive perceptive powers of some important enemies.

The introduction of the new keels and the widening to which they must have been subjected during the probable inflation of the base of the whorl and the rounding of the aperture suggests that the grooving of the upper portion of the whorl was later carried to the base of the last half of the body whorl. This change was probably induced by a changing in the position of the heavier shell during locomotion or rest, and enabled the possessor to still present the peculiar grooved aspect whatever may have been its purpose.

This shell also seems to recapitulate in its ontogeny some interesting features of its very remote history and at the same time, when compared with modern shells, to show quite as remarkable an acceleration as many of these; the name *epitome* therefore is suggested as an appropriate one.

***Eunema altisulcatum* sp. nov.**

Plate 5, figure 3

Description. Shell small, turbinate, pyramidal, apical angle 52° , height 6mm. Whorls four, uniformly increasing in size, height and width of body whorl to total height closely in ratio of 3:5; three-