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MIOCENE MOLLUSCA OF NORTHERN COLOMBIA

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Dimensions: Alt. 15 mm; Diam. 7 mm.

This is very similar to *C. cercadica* Maury⁵⁸ from Santo Domingo and *C. cainitica* Maury have nearly double the number of longitudinal ribs. From Costa Rica, Olsson⁵⁹ has described two forms of which *C. terminula* var. *costaricensis* is closely related. It is a trifle more slender than the Colombian species but with a greater number of specimens for comparison the two forms may be found to be synonymous. The other Costa Rican species, *C. liminata* Olsson is a narrow, higher spired species.

Of the Caribbean *Cytharas*, three are very similar, these are:

C. heptagona Gabb

C. cercadica Maury

C. terminula var. *costaricensis* Olsson

All these in turn are closely allied to the Pliocene *C. terminula* Dall of the Caloosahatchie series of Florida.

Family CONIDÆ Adams

Genus CONUS Linné

Conus molis Brown & Pilsbry

Plate 6, fig. 1

Conus molis Brown & Pilsbry, Acad. Nat. Sci. Phil. Proc., vol. 63, p. 343, pl. 23, fig. 1, 1911.

Conus molis Maury, Bull. Amer. Pal., vol. 5, No. 29, p. 200, 1917.

Conus molis Olsson, Ibid, vol. 9, No. 39, p. 214, pl. 2, figs. 1, 2, 1922

Conus molis Anderson, Cal. Acad. Sci. Proc., 4th ser., vol. 16, No. 3, p. 89, 1927

Adult shells are large and ponderous. There are about 13 whorls of which the later ones are somewhat concave and spirally striate with five to eight revolving striæ. The striations on the body whorls of large specimens are confined to the lower portion of the shell and are faint or obsolete above.

Dimensions: Alt. 140 mm; Width 87 mm; Adult when complete.

Localities: Near Tuberá, Dept. of Atlantico.

Age: Miocene.

Distribution: Panama—Gatun.

Costa Rica—Water Cay, Banana river.

Haiti—Cercado de Mao.

Colombia—Tuberá.

⁵⁸ Bull. Amer. Pal., vol. 5, No. 29, p. 61, pl. 9, fig. 15, 1917.

⁵⁹ Ibid, vol. 9, No. 39, p. 77, 1922.

Conus colombiensis n. sp.

Plate 5, fig. 12

This species is thin-shelled. There are about 12 whorls, of which the earlier five or six appear to be somewhat coronate; the whorls are very convex, each succeeding one slightly overlapping on the preceding; sutures well incised; spire slightly elevated, concavely conical. The body whorl is well rounded at the shoulder. From the middle portion of the last whorl to the base there is a series of subequal revolving lines. These become obsolete above.

Dimensions: Alt. 58 mm; Width 34 mm.

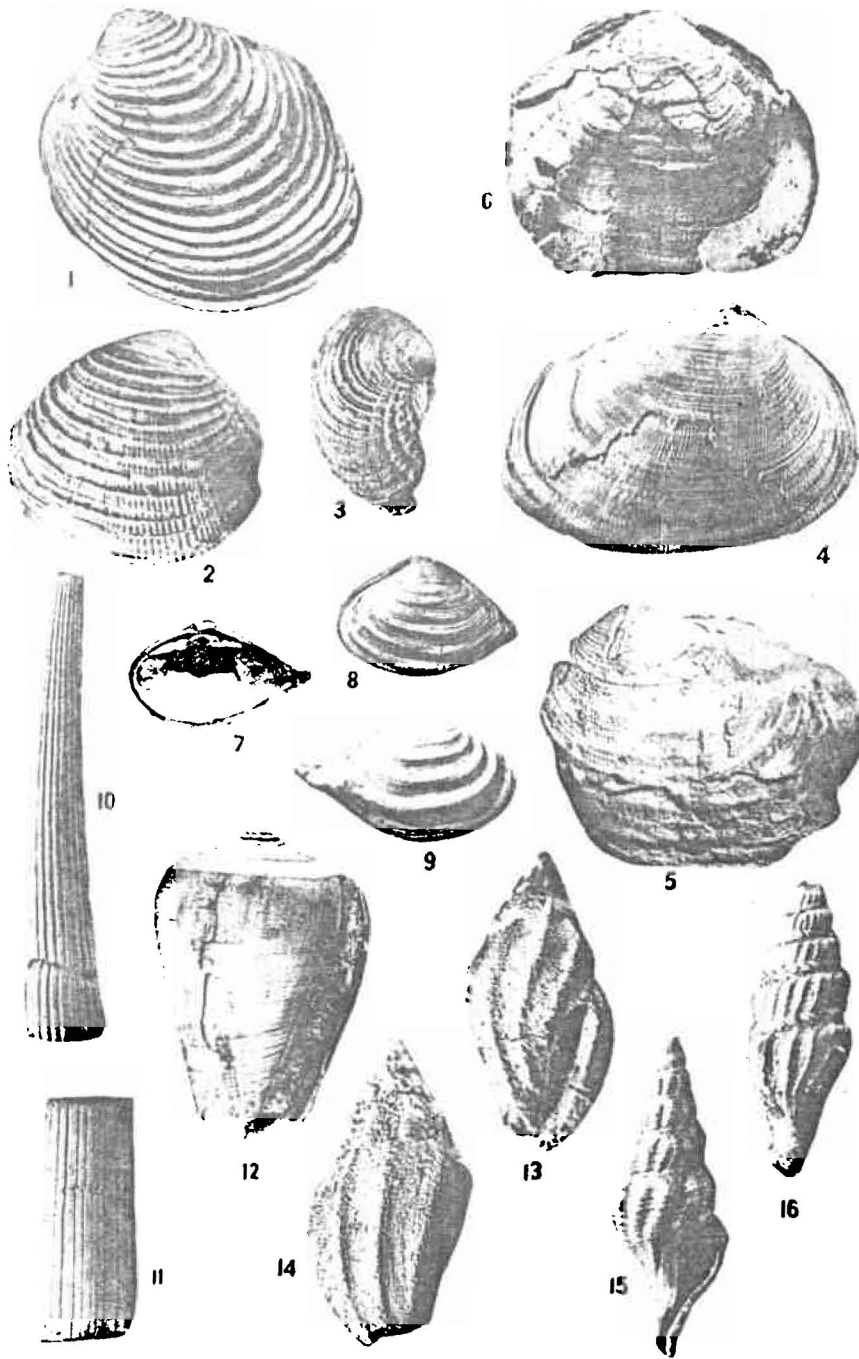
The Caribbean Miocene analogue of this shell is *C. recognitus* Guppy which has been found in Costa Rica, Haiti and Jamaica. The body whorl of *recognitus* is distinctly pyriform whereas the Colombian shell is conical in shape. Otherwise the two forms are very similar.

Locality. Near Tubará, Dept. of Atlántico.

Age.— Middle Miocene.

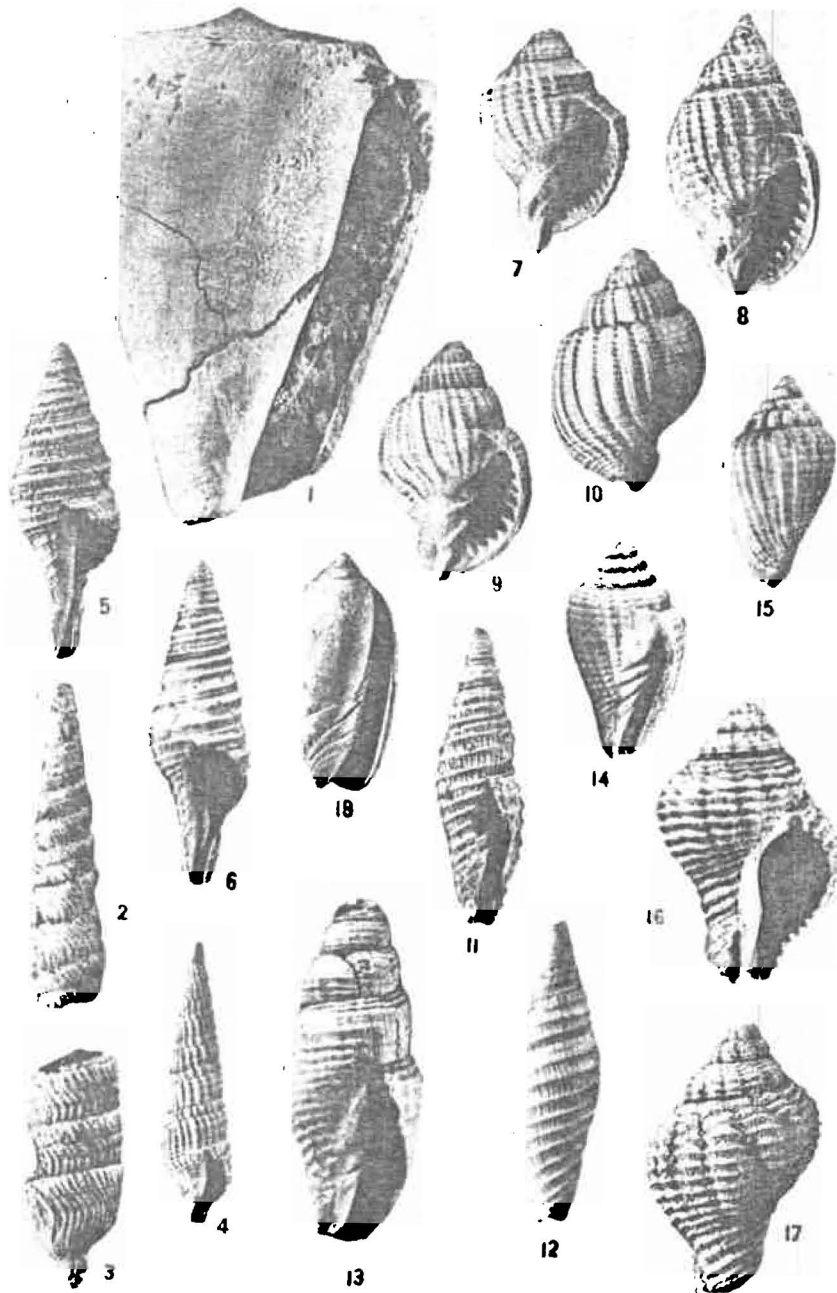
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The following plates were furnished by the author



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