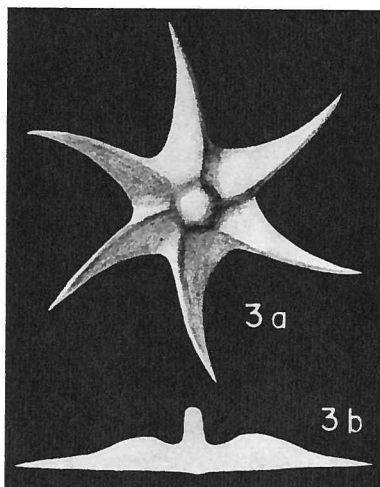


Discoaster lodoensis BRAMLETTE & RIEDEL, 1954



FIGS. 3a, 3b — *Discoaster lodoensis* n. sp., 3a, vertical view of holotype; 3b, sketch of lateral view. x 2500.

Description:

Asterolith stellate, consisting of usually six (occasionally five or, rarely, seven) rays which are joined in their proximal half or one-third. Free, distal portions of the rays tapering gradually to a sharp point, and curved, all in the same sense, in the plane of the body of the asterolith. Centrally, a stem or knob projects from one surface. On the same side of the asterolith as the stem, each ray is raised as a prominent ridge extending radially to one side of the median line: the other side of the asterolith is more nearly plane. Total diameter usually 14-24 microns.

Remarks:

This species differs from *D. saipanensis* in the longer, thinner, and more curved arms. Specimens from some of the localities mentioned, particularly from Donzacq, have somewhat wider, straighter rays than those from the type locality, thus somewhat approaching *D. saipanensis*.

Type level:

Capay stage, lower Eocene.

This species may prove to be rather narrowly restricted to the upper part of the lower Eocene and the lower part of the middle Eocene.

Type locality:

Lodo formation (Capay stage, lower Eocene, Zone C of Laiming, 1940, p. 550), 314 ft. above base of Lodo formation, Lodo Gulch, Fresno County, California.

Other occurrences — Lower Lutetian, Donzacq (Landes), France; lower part of Plaisance limestone (middle or possibly lower Eocene), 8 miles NW of San Michel, Haiti; Ramdat formation (lower Eocene), San Fernando area, Trinidad; Toledo member of Universidad formation (lower or middle Eocene), Cantera San Francisco, Puentes Grandes, Habana Province, Cuba.

Depository:

U.S. National Museum, Washington, D.C.

Author:

Bramlette M.N. and Riedel W.R., 1954, p. 398; pl. 39, figs. 3a, 3b.

Reference:

Stratigraphic value of Discoasters and some other Microfossils related to recent Coccolithophores. J. Paleont., vol. 28, n° 4, pp. 385-403, pls. 38, 39, text-figs. 1-3.