

195. *Reticulofenestra minutula* (Gartner, 1967) Haq & Berggren (1978) emend. Young (1990)

*non* *Coccolithus daronicoides* Black & Barnes 1961 :142, pl. 25, Fig. 3.

1967 *Coccolithus minutulus* Gartner: *partim*: 3, pl. 5, Figs. 3-4.

1971 *Gephyrocapsa reticulata* Nishida: 150, pl. 17, Figs. 1-7.

1973 *Crenalithus daronicoides* (Black & Barnes); Roth: 73 1, pl. 3, Fig. 3.

1978 *Reticulofenestra minutula* (Gartner); Haq & Berggren: 1190.

1979 *Crenalithus daronicoides* (Black & Barnes); Samtleben; 919, pl. 3, Figs. 4,9,10.

1979 *Reticulofenestra japonica* Nishida (*non. substit. pro G. reticulata*); 105, pl. 1. Figs. 1-3

1980 *Reticulofenestra japonica* Nishida; Nishida: 105, pl. 1, Figs. 1,5,17.

1980 *Reticulofenestra minutula* (Gartner); Backman: 59, pl. 7, Figs. 3-5, 11,13.

1985 *Reticulofenestra daronicoides* (Black & Barnes); Pujos (*invalid*): 594, pl. 1, Fig. 7

1987 *Reticulofenestra daronicoides* (Black & Barnes); Pujos: 247, pl. 1, Figs. 13-17.

1988 *Reticulofenestra minutula* (Gartner); Driever: 117, pl. 1, Fig. 1, pl. 5, Figs. 3-6.

1988 *Reticulofenestra daronicoides* (Black & Barnes); Young 1988:4.

**Emended Diagnosis.** Small elliptical *Reticulofenestra* species, without slits in the distal shield.

**Dimensions.** 3-5 microns

**Remarks.** *R. minutula* specimens usually have wider central areas than typical *R. p. haqii* specimens, but this distinction is not of much practical use, distinction of the two is primarily by means of associated larger coccoliths.

The epithet *daronicoides* has often been used for this species, but the true identity of the holotype of *Coccolithus daronicoides* has been in doubt (Backman 1980). To resolve this point the topotypic material, Challenger dredging 338, was re-examined. The material is calcareous ooze with a well preserved Holocene nannoflora, and virtually no reworked Neogene material. The “discoasters” referred to in Black & Barnes (1961) are in fact coccoliths of the extant species *Hayaster perplexus*.

The only coccoliths matching the illustration and description of *C. daronicoides* appear to be specimens of *Gephyrocapsa oceanica* which have lost their bridge. So *C. daronicoides* should be considered a junior synonym of *G. oceanica*. This leaves *R. minutula* as the name with priority.

Young, J.R., 1990. Size variation of Neogene *Reticulofenestra* coccoliths from Indian Ocean DSDP Cores. *Journal of Micropalaeontology*, **9(1)**: 71-86.