

THE TYPE MATERIAL OF *EUNOTIA ARCUOIDES* FOGED

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The type material of *Eunotia arcuoides* Foged housed at the ANSP Diatom Herbarium is investigated with light and electron microscopy. *E. arcuoides* is a poorly known species that shares a number of morphological characters with a few *Eunotia* taxa known from alkaline waters. Among other characters of this species, we describe an unusual “epithemoid” or “amphoroid” shape of the frustule and a unique round helictoglossa. *E. arcuoides* has equally wide dorsal and ventral parts of the mantle, and valve faces in recently formed frustules are parallel. The girdle bands are, however, wider in their dorsal parts compared to ventral parts, so that the cells become progressively more amphoroid as they grow and more girdle bands are added.