


## A Bryozoan fauna of Dano-Montian age from Boryszew and Sochaczew in central Poland

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The strata met with in the Boryszew boring (193-207m from a heap) and Sochaczew boring (193.5-267.2 m) yielded a fauna of 28 species of Bryozoa. Among them are 6 new species, two new genera: *Dysnoetocella* and *Pavobeisselina* and one new subgenus: *Vibracella* (*Discovibracella*). Although by far the largest number of the species (22) occurs in the Baltic Danian also and thus seems to prove Danian age of the strata in question, there are reasons which seem to support a somewhat younger age: for example the occurrence of *Dysnoetocella aenigmatica* n.gen., n.sp. in the Albert Canal near Vroenhoven (Belgium), where a bryozoan fauna is found very similar to that of the Montian of Ciply near Mons. In the Montian of Ciply also *Vibracella* (*Discovibracella*) *oculata* n. sub g., n.sp. occurs very frequently, which is found only in the uppermost strata of the Danian, in part associated with *Vibracella* (*Vibracella*) *pozaryskae*. *Lunulites saltholmensis* Berth. so far also occurs only in the Upper Danian. Although Montian age cannot be demonstrated with certainty as long as no unobjectionable bryozoan fauna of Montian age overlying an authentic Danian fauna is at hand for comparison, and as long as it is not known which species of the Danian bryozoan fauna continue into the Paleocene (Danian and Paleocene are considered here as equivalent and independent stages), it seems best to consider the beds under discussion as transition beds between Danian and Paleocene or as lowermost Paleocene. This would also agree with the micropalaeontological results of Brotzen and Pozaryska (1957). The bryozoan fauna met with in the Danian and Paleocene of the boring near Sochaczew is very similar to that from Boryszew. *Pachythecella anhaltina* (Voigt) was found there in the Danian as an additional species, but judging from the samples at hand the total number of species is smaller. The material from Sochaczew offered no new points of view concerning the age of the bryozoan fauna from Boryszew.

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