POSTER PRESENTATION

EUNOTIA CHARLIE-REIMERI, A NEW *EUNOTIA* WITH AMPHOROID FRUSTULE SYMMETRY

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A new *Eunotia* species, *E. charlie-reimeri* is described from Bear Meadows Bog near State College, Pennsylvania. Bear Meadows (N 40°43' W 77°46', elev. 550 m) is an open montane poor fen that is about 1.6 km long and 0.5 km wide with its open wetlands dominated by *Sphagnum*, sedges, swamp laurel, blueberry, sundews, *Rhododendron* spp., alder, *Spiraea* spp., and mountain holly. *Eunotia charlie-reimeri* has been collected intermittently from Bear Meadows over the last decade. Among the eunotioid diatoms, *E. charlie-reimeri* is characterized by its arcuate-lunate valve, prominent terminal raphe ends, and two rimoportulae per valve. Most importantly, it has amphoroid frustule symmetry, a character recently used to support the description of the new eunotioid genus *Amphorotia* Williams & Reid. A sister taxon, *E. sarraceniae*, was described by Gaiser and Johansen from South Carolina bays, and shares the characteristic amphoroid symmetry and lunate shape, but *E. sarraceniae* is more finely striated and has more rostrate ends than *E. charlie-reimeri*.