

A fourth snail is named for Terrence J. Frest
By Edward J. Johannes

As was noted in previous issues of *The Dredgings* (Holm, 2009; Johannes, 2018), Terrence (Terry) J. Frest was posthumously honored by having three snails, all freshwater, named after him. They are *Pyrgulopsis fresti* Hershler and Liu, 2009 (Owyhee hot springsnail) from the Owyhee River drainage in Oregon; *Idaholanx fresti* Clark, Campbell, and Lydeard, 2017 (Banbury Springs lanx; also known as the Banbury Springs limpet) found only in four nearby large springs in the Thousand Springs area of the Snake River, Gooding County, Idaho; and *Fluminicola fresti* Hershler, Liu, and Hubbart, 2017 (Frest's pebblesnail). This snail is distributed on the western slope of the Cascades and eastern portion of the Siskiyou Mountains in the North Umpqua River drainage and in the Rogue River basin north of Little Butte Creek in spring-fed habitats.

The fourth snail named after Terry is *Euconulus fresti* Horsáková, Nekola, and Horsák, 2020. This land snail was originally found in spring fens in Iowa. Because of their unique water chemistry and history, spring fens maintain an abundant and unusual land snail fauna. The term spring fen refers to areas of permanently moist, springy ground, often underlain by peat, fed by permanent calcareous springs (important in counteracting acidity), generally of very limited extent and quite often found perched on hill slopes in areas underlain by older glacial deposits, for example on the so-called lowan Surface. Such areas often have a distinct flora, including *Sphagnum* and a variety of vascular plants more typical of northern climates. This distinctive habitat is found south of the Wisconsinan glacial margin.

Surveys of these spring fens were conducted by Terry and Jeff Nekola in 1987. Much material was collected by Nekola from 1987 to 1989 for his graduate studies. Samples were also collected during fieldwork by Terry and the author in 1989. In his report, Terry noted a "*Euconulus* with unusual morphology" was present at spring fen sites (Frest, 1990). Jeff Nekola honors Terry by naming this snail after him.

