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<b>Autor:</b>	Bucher, Hugo
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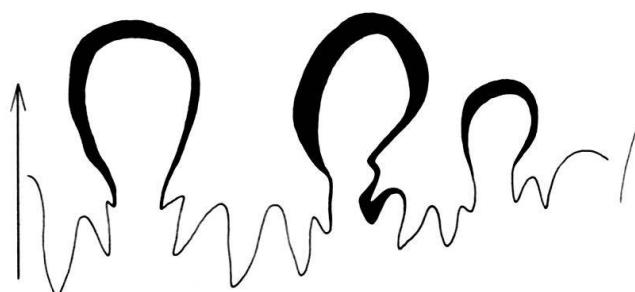


Fig. 26. Suture line ( $\times 6$ ) of *Ussurites* sp. indet. at  $D = 24$  mm. USNM 438373.

### *Ussurites detwilleri* n. sp.

Plate 7, Figure 1

**Description.** Inner whorls evolute, rounded and ribbed. Further development shows increasing spacing of radial ribs which gradually fade on outer whorls. Whorl section simultaneously changes into an ovoid outline. Umbilical margin is then well individualized and slightly convex flanks gently converge towards the permanently broadly arched venter. Striation visible on what is left of outer test. At  $D = 37$  mm,  $H = 38\%$ ,  $W = 34\%$  and  $U = 36\%$ . Suture line not known.

**Discussion.** Though suture line could not be obtained, shell shape and presence of striae make attribution to *Ussurites* very likely. Ribbed inner whorls are the chief difference when compared with *U. arthaberi* WELTER, *U. muskwa* McLEARN, *U. hara* DIENER and *U. kingi* DIENER. This difference equally applies to *U. sp. indet.* which is additionally much more evolute and compressed.

Species named for K. DETWILLER of the Bureau of Land Management, Winnemucca, Nev.

**Figured specimens.** Holotype USNM 438372.

**Occurrence.** Loc. HB 225 (1), Bloody Canyon, northern Humboldt Range. *Caurus* Zone, Lower Anisian.

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### REFERENCES

- ARTHABER, G. v. 1911: Die Trias von Albanien. Beitr. Paläont. (Geol.) Österr.-Ungarn u. Orient 24, 169–277.
- ASSERETO, R. 1974: Aegean and Bithynian: Proposal for two new Anisian substages. In: Zapfe, H. (Ed.): Die Stratigraphie der alpin-mediterranen Trias. Schriftenr. Erdwiss. Komm. österr. Akad. Wiss. Wien, 2, 23–39.
- ASSERETO, R., JACOBSHAGEN, V., KAUFFMANN, G., & NICORA, A. 1980: The Scythian/Anisian boundary in Chios, Greece. Riv. ital. Paleont. (Stratigr.) 85/3–4, 715–736.