

Zeitschrift: Eclogae Geologicae Helvetiae
Herausgeber: Schweizerische Geologische Gesellschaft
Band: 82 (1989)
Heft: 3

Artikel: Lower Anisian ammonoids from the northern Humboldt Range (northwestern Nevada, USA) and their bearing upon the Lower-Middle Triassic boundary
Autor: Bucher, Hugo
Kapitel: Acknowledgments
DOI: <https://doi.org/10.5169/seals-166409>

Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. [Mehr erfahren](#)

Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. [En savoir plus](#)

Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. [Find out more](#)

Download PDF: 14.08.2025

ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>

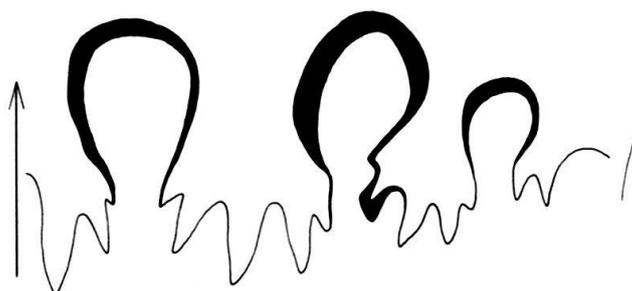


Fig. 26. Suture line ($\times 6$) of *Ussurites* sp. indet. at $D = 24$ mm. USNM 438373.

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* MCLERN, *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.

Acknowledgments

Fieldwork and laboratory research was funded by project N° 2.565-0.84 of the Swiss National Foundation for Scientific Research. E.T. Tozer, N.J. Silberling, K.M. Nichols and J. Guex provided valuable advice, unpublished information and material, and critically read the manuscript. H. Rieber lent specimens of the Dagsys reference collection housed at the Paleontologisches Institut der Universität Zürich.

P. Trego, W. Billings (Unionville, Nev.), M.C. Stafford, W.M. Thompson, K. Detwiller (Winnemucca, Nev.) and D. Young (New Pass Mine, Nev.) gave much help and assistance during fieldwork. Photographic illustrations were prepared by J.C. Viellefond (Lausanne).

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.