

TAXONOMIC NOTES

A NEW NAME FOR THE ICHNOGENUS
CYLINDRICHNUS BANDEL, 1967

KLAUS BANDEL

Institut für Paläontologie, Universität Bonn, West Germany

In 1967 I established the ichnogenus *Cylindrichnus* Bandel (1967, p. 6) with the type species *C. reptilis* Bandel, from the Pennsylvanian of Kansas. It has subsequently been brought to my attention that the name *Cylindrichnus* had previously been proposed by Toots in 1962 (unpublished M.S. thesis "Paleoecological studies on the Mesaverde Formation in the Laramie Basin," University of Wyoming) for a dwelling structure from the Cretaceous of Wyoming. This genus, and its only species, *C. concentricus*, were later validated by Howard (1966). Therefore, *Cylindrichnus concentricus* Toots in Howard, 1966, is the type species by monotypy.

Although the *International Code of Zoological Nomenclature* does not apply to the naming of ichnotaxa established after 1930, in the impending revision of the Trace Fossil chapter of the *Treatise on Invertebrate Paleontology*, Part W, an editorial decision has been made to treat all names of trace fossils as if they were governed by the *Code*. Therefore under *Treatise*-imposed rules, *Cylindrichnus* Bandel, 1967, is to be treated as a junior

synonym and must be replaced by a new name. This is done here following the advice of Professor Curt Teichert.

For this form I here propose the new name *Margaritichnus* Bandel, 1973, type species *Cylindrichnus reptilis* Bandel, 1967, p. 6.

Derivatio nominis.—The typical trail looks like a string of pearls which in Latin is *linea margaritarum*.

The establishment of a new name for this trace fossil is also in harmony with the wishes of the late Professor Walter Häntzschel who thought that the name *Cylindrichnus* would be more applicable for round, slightly curved funnel-like structures or the filling of such structures from the Upper Cretaceous of Utah.

REFERENCES

- Bandel, Klaus. 1967. Trace fossils from two Upper Pennsylvanian sandstones in Kansas. Univ. Kansas, Paleont. Contr., Paper 18:1-13, 5 Pl.
Howard, J. D. 1966. Characteristic trace fossils in the Upper Cretaceous sandstones of the Book Cliffs and Wasatch Plateau. Utah Geol. Mineral Surv. Bull. 80:35-53.

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A NEW NAME FOR THE ICHNOGENUS
ARTHROPODICHNUS GEVERS, 1971

T. W. GEVERS

University of the Witwatersrand, Johannesburg, South Africa

The name *Arthropodichnus* Gevers (in Gevers et al., 1971, p. 92) was proposed by me for Devonian arthropod trails from Antarctica. It has now been brought to my attention by Curt Teichert that the name *Arthropodichnus* had been previously and independently proposed by Chiplonkar and Badwe (1970, p. 3) for a different trace fossil from the Upper Cretaceous of India.

Therefore, I propose the new name *Beaconichnus* Gevers, 1973, type species *Arthro-*

podichnus darwinum Gevers (in Gevers, et al., 1971, p. 93).

REFERENCES

- Chiplonkar, G. W., and Badwe, R. M. 1970. Trace fossils from the Bagh Beds. Palaeont. Soc. India, Jour., 14 [1969]:1-10, 3 Pl.
Gevers, T. W., Frakes, L. A., Edwards, L. N., and Marzolf, J. E. 1971. Trace fossils in the Lower Beacon sediments (Devonian), Darwin Mountains, South Victoria Land, Antarctica. Jour. Paleontology, 45:81-94, Pls. 18-20.

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