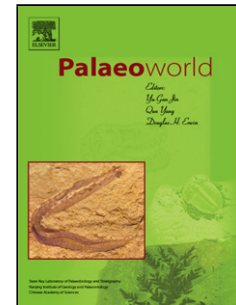


Accepted Manuscript

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PII: S1871-174X(18)30045-3
DOI: <https://doi.org/10.1016/j.palwor.2018.04.005>
Reference: PALWOR 449

To appear in: *Palaeoworld*

Received date: 13-3-2018
Revised date: 18-4-2018
Accepted date: 27-4-2018

Please cite this article as: Peng, Shan-Chi, Babcock, Loren E., Zhu, Xue-Jian, Dai, Tao, A new oryctocephalid trilobite from the Balang Formation (Cambrian Stage 4) of northwestern Hunan, South China, with remarks on the classification of oryctocephalids. *Palaeoworld* <https://doi.org/10.1016/j.palwor.2018.04.005>

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A new oryctocephalid trilobite from the Balang Formation (Cambrian Stage 4) of northwestern Hunan, South China, with remarks on the classification of oryctocephalids

Shan-Chi Peng ^{a,*}, Loren E. Babcock ^b, Xue-Jian Zhu ^a, Tao Dai ^c

^a State Key Laboratory of Palaeobiology and Stratigraphy, Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences, 39 East Beijing Road, Nanjing 210008, China

^b School of Earth Sciences, The Ohio State University, 125 South Oval Mall, Columbus, OH 43210, USA

^c State Key Laboratory for Continental Dynamics, and Department of Geology, Northwest University, Xi'an 710069, China

*** Corresponding author**

E-mail addresses: scpeng@nigpas.ac.cn (S.C. Peng), babcock.5@osu.edu (L.E. Babcock), xjzhu@nigpas.ac.cn (X.J. Zhu), daitao@nwu.edu.cn (T. Dai)

Abstract

A new trilobite, *Longaspis paiwuensis* n. gen. n. sp., from the Balang Formation (Cambrian Stage 4) in northwestern Hunan, South China, is described. This rare trilobite adds to an expanding taxonomic list of organisms recognized from the Balang Lagerstätte, a deposit of exceptional preservation from the Cambrian. *Longaspis paiwuensis* is an unusually large-sized, micropygous oryctocephalid trilobite that has proparian facial sutures, pit-like lateral glabellar furrows, up to 17 thoracic segments, and a distinct medial notch in the pygidium; it lacks marginal spines.

The classification of the family Oryctocephalidae is reviewed. Three subfamilies are recognized, and *Longaspis* n. gen. is assigned to the subfamily Oryctocarinae.

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