

黄建东, 任东. 三尾拟蜉蝣在中国热河生物群可能并不存在[J]. 地质论评, 2008, 54(5): 602-608

三尾拟蜉蝣在中国热河生物群可能并不存在 [点此下载全文](#)

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基金项目: 国家自然科学基金(30430100)、北京市教育委员会科技发展计划重点项目(KZ200410028013)和北京市市属市管高等学校拔尖创新人才项目共同资助。

DOI:

摘要:

热河生物群是中生代晚期分布在东亚地区尤其是中国辽西、冀北地区的一个非常繁荣的陆相化石群。东方叶肢介(Eosestheria)、“三尾拟蜉蝣(Ephemeropsis trisetalis)”和狼鳍鱼(Lycoptera)是它的3个典型代表成员。最近对采自义县组的上百块与三尾拟蜉蝣较为相似的成虫标本研究,发现上述成虫标本与三尾拟蜉蝣存在比较明显的区别,建立了美丽蜉蝣属及其两个种,并认为三尾拟蜉蝣可能仅分布在俄罗斯西伯利亚的外贝加尔和蒙古,在中国热河生物群并不存在。这一发现对有关热河生物群的古地理分布、地层划分和对比以及古水系等问题有重要的参考意义。

关键词: [热河生物群](#) [三尾拟蜉蝣](#) [拟蜉蝣属](#) [美丽蜉蝣属](#)

Ephemeropsis trisetalis Eichwald might have been absent in the Jehol Biota from China [Download Fulltext](#)

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Abstract:

The Jehol Biota was a very prosperous biota preserved in lacustrine formations during the late Mesozoic of Eastern Asia, especially in western Liaoning and northern Hebei Provinces, China. Three typical representatives of it are conchostracan Eosestheria, nymphal mayfly Ephemeropsis and fish Lycoptera. Recently we collected and studied about one hundred fossil mayfly specimens from Yixian Formation of the Jehol Biota. By comparing our specimens with the imago specimens of Ephemeropsis Eichwald reported from Transbaikalia region of Siberia and Mongolia, we have established the genus Epicharmeropsis and its two species E. hexavenulosus, E. quadrivenulosus. We believe previously described specimens from the Yixian Formation, the so called Ephemeropsis trisetalis, should be transferred into this genus too. Although Ephemeropsis Eichwald was widely distributed in Transbaikalia region and Mongolia, its reported finding in China is not supported by our study. In addition, the definition, stratigraphic correlation, geographical distribution of the Jehol Biota and river system during the Late Mesozoic are also discussed.

Keywords: [Jehol Biota](#) [Ephemeropsis trisetalis](#) [Epicharmeropsis Sinitshenkova N D](#) [Marchal](#) [Papier F](#) [Grauvogel](#) [Stamm L](#) [Gall J C](#)

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