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海南岛西北部早石炭世褶颊类三叶虫化石的发现及其古生物地层学意义

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摘要：

海南岛西北部白沙县金波老村附近南好组第二段首次发现 Australosutura sp.，Conophillipsia sp.，Hunanoproetus sp.，Linguaphillisia sp.，Weberiphillipsia cf. linguiformis Yuan & Li,和Werberiphillipsia sp.等5属6种褶颊类三叶虫，据三叶虫生物地层年代确认，为分布广泛的早石炭世早期的属种。三叶虫化石的发现，不仅扩展了早石炭世三叶虫动物群的地理分布，而且为白沙地区南好组地层年代的修订及与岛内不同地区南好组的地层对比及与岛外同期地层的对比提供了精确的三叶虫生物地层的重要化石材料。

关键词：南好组 下石炭统 杜内阶 褶颊类 三叶虫 海南岛

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Abstract:

Fairly well preserved pygidiums and cephalon of phychopariids were discoveried for the first time from the middle—upper part of Member 2, Nanhao Formation, in Jinbolaocun Village, northwest of Hainan Island. They include Australosutura sp., Conophillipsia sp., Hunanoproetus sp., Linguaphillisia sp., Weberiphillipsia cf.linguiformis Yuan & Li, and W. sp., and widely spread in Lower Carboniferous. The discovery of these trilobites offer some new information on the geological distribution of Lower Carboniferous trilobites in the world. In addition, it also provides the precise trilobite biostratigraphic data for the revision of chronologic age of the Nanhao Formation, and the stratigraphic correlation of the Nanhao Formation both on the island and adjacent continent areas. Meanwhile this fauna is very similar to the Tournasian trilobites occurred in Rangari Limestone, the member of Tulcumba Sandstone New South Wales, Australia. They may belong to the same palaeobiogeographic province.

Keywords:Nanhao Formation Lower Carboniferous Tournaisian ptychopariid trilobite Hainan Island

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