



dekhrinensis, *T. torsuosus*, 属于 *Cypridea. dekhoinensis-Limnocypridea. copiosa* 组合, 分布层位为青山口组二段一段顶部-青山口组二段下部。

岳王城剖面为嫩江组一段顶部-二段中下部, 厚度 30m 左右, 以暗色泥岩夹油页岩为主, 并夹一层火山灰, 产较为丰富的介形虫、叶肢介等化石。初步识别出 *Candona prona*、*Candona delicata*、*Candona fabiforma*、*Candona avata*、*Candoniella alveolata*、*Candoniella amabila*、*Daqingella arca*、*Daqingella ventricastata*、*Clinocypris postacuta*、*Clinocypris longulata*、*Lycocypris triangularis*、*Lycocypris valida*、*Limnocypridea subscalariformis*、*Periacanthella portentosa*、*Ilyocyprimorpha netchaeva*、*Mongolocypis magna*、*Cypridea spiniferusa* 等介形类化石。

关键词: 白垩纪, 松辽盆地, 介形虫, 生物地层

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[S09-05] ✓

白垩纪的鞘喙蜻

Cretaceous Progonocimicidae (Insecta: Hemiptera: Coleorrhyncha)

Jacek Szwedo^{1,2)} 王博¹⁾ 江湑³⁾

SZWEDO Jacek^{1,2)} WANG Bo¹⁾ JIANG Tian³⁾

1) State Key Laboratory of Palaeobiology and Stratigraphy, Nanjing Institute of Geology and Palaeontology and Center for Excellence in Life and Palaeoenvironment, Chinese Academy of Sciences, Nanjing 210008, bowang@nigpas.ac.cn;

2) Laboratory of Evolutionary Entomology and Museum of Amber Inclusions, Department of Invertebrate Zoology and Parasitology, Faculty of Biology, University of Gdańsk, 59, Wita Stwosza St., PL80-308 Gdańsk, Poland, jacek.szwedo@biol.ug.edu.pl;

3) China University of Geosciences (Beijing), Beijing 100083, jiangtian@cugb.edu.cn

The Progonocimicidae, a family of the hemipteran infraorder Coleorrhyncha, appeared in the fossil record in the Late Permian. They diversified in the Triassic and Jurassic, but Cretaceous witnessed their decline. The subfamily Progonocimicinae was present since Permian to the late Jurassic, since the early Jurassic Cicadocorinae appeared. Cretaceous Cicadocorinae were known from northern hemisphere: United Kingdom, Russia (Transbaikal Krai) and Mongolia. Most of taxa known were reported from isolated tegmina or incomplete exoskeletons. First record of this family from fossil resins comes from the Lebanese amber, but it still is incomplete. Recently a complete specimen representing a new genus and species was found in mid-Cretaceous Burmese amber, being the last record of the subfamily and family. The newly described genus and species is characteristic of highly specialized morphological features, suggesting also a special mechanism of jumping. This fossil enlarges the range of disparity of this group and its taxonomic diversity. During the Early Cretaceous Cicadocorinae were mainly distributed in temperate warm humid zone, with only one representative in lower latitudes of dry equatorial zone. Mid-Cretaceous Burmese amber brought another taxon distributed in equatorial belt, in warm and humid zone. This gives new insight into ecological requirements of the group and its evolutionary traits. Finding of Cicadocorinae in Burmese amber puts a new question to the reconstruction of Burmese amber forest biota.

Keywords: Hemiptera, Coleorrhyncha, fossil record, phylogeny, amber

[S09-06] ✓

白垩纪琥珀中的蜻蜓

Size matters: Cretaceous dragonflies (Insecta: Odonata) preserved in amber

Edmund A. Jarzembowski^{1,2)} 郑大燃^{1,3)}

JARZEMBOWSKI Edmund A.^{1,2)} ZHENG Daran^{1,3)}



国家古生物化石专家委员会
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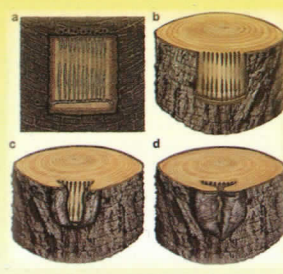
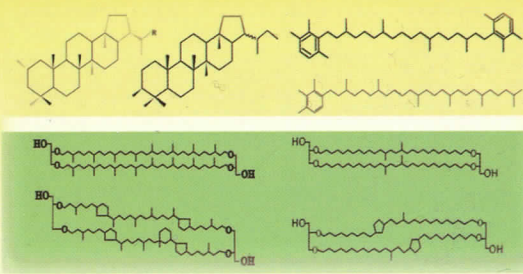
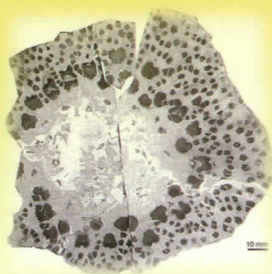


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