

# 古昆虫学的发展、存在问题与展望

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**摘要:** 对国际古昆虫学的发展作了回顾, 大体上将其分为两个大的发展阶段: 开始与积累阶段, 发展和繁荣阶段。这两个阶段又可分为8个时期。在古昆虫学的发展史上曾有过3次历史性的总结, 即Handlirsch A.

(1906—1908) 的《Die Fossil insekten un die Phylogenie der rezenten Formen》, Rohdendorf B. B. et al (1962) 的《Fundamentals of Paleontomology》, Carpenter F. A. (1992) 的《Hexapoda》, 以及各国区域性昆虫化石研究和以分类为核心的总结, 等等。通过国际古昆虫工作者的共同努力, 一部以分类为核心的古昆虫学专著基本完成。在国际古昆虫学及中国古昆虫学研究新成就的基础上, 提出了古昆虫学研究中还存在的一些问题: 如加强基础研究工作, 包括化石采集、分类、描述; 古昆虫学研究与地质学、地质背景相结合; 化石昆虫群的演化序列及其发展史的建立; 昆虫的起源; 加强国际合作与交流, 崇尚科学精神, 促进学科发展等。

**关键词:** 国际古昆虫学; 发展与成就; 存在问题与展望

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Development, existing problems and prospects of paleoentomology

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**Abstract:** The author reviews the development of international paleoentomology and divides it roughly into two major development stages: (1) stage of initial study and accumulation of basic materials: (2) stage of development and prosperity. These two stages can be subdivided into eight periods. There are three important historical reviews of international paleoentomology, i.e.: A. Handlisch et al.'s (1906—1908) "Die Fossilen Insekten und die Phylogenie der rezenten Formen", B.B. Rohdendorf's (1962) "Fundamentals of Paleontomology" and F.A. Carpenter's (1992) "Hexopoda", as well as regional and taxonomic paleoentomological summaries in various countries. On the basis of new affirmative achievements of international and Chinese paleoentomology, the present paper discusses some issues in relation to palaeoentomological development, e.g. strengthening of basic work, including fossil collection and taxonomy and description; integration of paleoentomological study and geological study; establishment of an evolutionary succession of fossil entomofaunas and their history of development; study of the insect origin; strengthening of international cooperation and exchange in respect to the study of fossil insects to promote the development of this discipline.

**Key words:** international paleoentomology; development and achievement; existing problems and prospects