

简介

《新疆石炭纪头足类》

中国古生物志,新乙种,第27号

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本书共分六部分:前言、含头足类地层剖面简介、新疆石炭系简介与含头足类地层的对比、新疆北部泥盆-石炭系的界线、新疆石炭纪头足类动物群的分析、系统描述。

新疆的石炭系相当发育、产丰富的头足类,是我国研究石炭纪头足类的重要地区之一。本书系统描述了新疆地区石炭系12个剖面中所产的头足类标本,鹦鹉螺15属21种(含5新种)归10科3目,菊石27属(亚属)75种(含2新属1新亚属27新种)归15科2目。对新疆含头足类的石炭纪地层进行了综合研究,共建立10个菊石属带,与国内同期地层进行了对比,并讨论了菊石动物群的特点。根据新疆石炭纪菊石动物群并结合其它地区相同地层菊石资料,提出新疆北部泥盆-石炭系界线划分的新观点。

附图版40幅和详细英文摘要。

《中国古生物志》(新甲、乙种)编辑部

«Carboniferous Cephalopods of Xinjiang»

PALAEONTOLOGIA SINICA, NEW SERIES B NO. 27

by Liang Xiluo and Wang Mingqian

The present memoir makes an extensive study of the cephalopods collected from the Carboniferous strata of Xinjiang, laying stress on their biostratigraphical significance and attached with 40 plates and a detailed English abstract.

This paper is divided into 6 parts: 1. introduction, 2. the major section, 3. zonation and correlation of ammonoid fauna in Xinjiang, 4. Devonian-Carboniferous boundaries of north Xinjiang, 5. analysis of ammonoid fauna in Xinjiang and 6. diagnoses of new genera and subgenera.

Here reported are 12 stratigraphic sections and, according to vertical distributions of cephalopod fauna, are founded 10 genozones: 1. *Gattendorfia*, 2. *Protocanites-Kazakhstanis*, 3. *Merocanites-Dzhapraoceras*, 4. *Goniatites*, 5. *Dombrites-Cravenoceras*, 6. *Reticuloceras*, 7. *Branneroceras-Gastrioceras*, 8. *Diaboloceras*, 9. *Owenoceras* and 10. *Proudenites*, and are systematically described 42 genera and 96 species, including 21 nautiloid species in 15 genera (5 species are new) and 75 ammonoid species in 27 genera (2 genera, 1 subgenera and 20 species are new).

This book expounds the characters of the ammonoid fauna from the Carboniferous of Xinjiang, with a discussion on the Devonian-Carboniferous boundaries of north Xinjiang. Here is a proposed scheme for the correlation of the Carboniferous system in Xinjiang with those both at home and abroad.

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