

Accepted Manuscript

Title: Restudy of the Early Devonian rugose coral
Xystriphylloides from South China

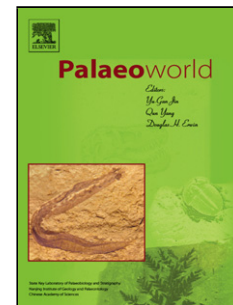
Author: Chang-Min Yu

PII: S1871-174X(17)30022-7
DOI: <http://dx.doi.org/doi:10.1016/j.palwor.2017.06.001>
Reference: PALWOR 422

To appear in: *Palaeoworld*

Received date: 31-1-2017
Revised date: 3-5-2017
Accepted date: 13-6-2017

Please cite this article as: Yu, Chang-Min, Restudy of the Early Devonian rugose coral *Xystriphylloides* from South China. *Palaeoworld* <http://dx.doi.org/10.1016/j.palwor.2017.06.001>



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Restudy of the Early Devonian rugose coral *Xystriphylloides* from South China

Chang-Min Yu

Key Laboratory of Economic Stratigraphy and Paleogeography, Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences, Nanjing 210008, China

E-mail address: cmyu@nigpas.ac.cn

Abstract

Early Devonian rugose coral *Xystriphylloides* in South China is restudied from the perspective of its taxonomic definition, biostratigraphy, paleoecology, and implication for the Yujiang Event. The diagnostic characters of the genus are clarified and its taxonomic position is also revised. In particular the septa of *Xystriphylloides* are shown to be fibrous rather than trabeculate. *Xystriphylloides distinctus* Yu n. sp. is described. Species of *Xystriphylloides* are widely distributed in South China and North Vietnam, so they are useful for regional biostratigraphic correlation and regional geological mapping. As an important biostrome builder, *Xystriphylloides* became extinct below the base of the *nothoperbonus* Conodont Zone, so it can be considered as one of the important pieces of evidence for recognizing the first episode of the Early Devonian Emsian Yujiang Event, which is also significant for studying paleoecology and event stratigraphy.

Keywords: rugose corals; fibrous septa; Devonian; biostrome; event stratigraphy; Yujiang Event

1. Introduction

The generic name *Xystriphylloides* with its type species *X. nobilis* was proposed in a paper recording the subdivision of Devonian Yujiang Formation and its underlying Nahkaoling Formation in central-eastern Guangxi (Wang et al., 1964). No systematic

Download English Version:

<https://daneshyari.com/en/article/8916540>

Download Persian Version:

<https://daneshyari.com/article/8916540>

[Daneshyari.com](https://daneshyari.com)