

CORRELATION OF CAMBRIAN CHRONOSTRATIGRAPHIC SUBDIVISION IN SHANDONG

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The aim of the paper is to solve many confused problems of the Cambrian chronostratigraphic subdivision in Shandong and determine the bottom boundaries of the Cambrian local stages. By analyzing domestic and foreign researches on the Cambrian, the delimitations of Shandong Cambrian stages are contrasted with the globe and South China's update Cambrian chronostratigraphic subdivisions based on the trilobite fossils. The main problems of the Cambrian chronostratigraphic subdivision in Shandong are discussed by the biostratigraphic methods. Finally, the research shows that the subdivisions of the Canglangpuian, Longwangmiaoan, Maozhuangian, Hsuchuangian, and Fengshanian stages in Shandong cannot be correlated with the subdivisions of the International Stratigraphic Chart. The lower boundary of the Zhangxian stage in Shandong corresponds to that of the global Drumian stage, the bottom boundary of the Gushanian stage is in agreement with that of the Guzhangian stage within the globe, and the lower boundary of the Furongian series of the globe is slightly lower as compared with that of the Changshanian stage in Shandong. The layer of the *Iapetognathus* conodont first appeared at the Cambrian–Ordovician boundary.

Key words: correlation, Cambrian, chronostratigraphic, subdivisions, trilobite, Shandong, the International Stratigraphic Chart, South China.