

The 8th International Congress on the Jurassic System Shehong of Suining, Sichuan Province, China

Field trips were organized before, during and after the scientific sessions of the Congress (*August 2–22, 2010*).

A1. Pre-Congress excursion: “*The terrestrial Triassic, Jurassic and Cretaceous in the Ordos Basin (in Shaanxi Province), NW China*” was guided by SHENGHUI DENG and XIAOQI YUAN (Research Institute of Petroleum & Development) from August 2-7, 2010. It started from Beijing and visited Xi’an and Yan’an of Shaanxi Province, for the typical terrestrial Triassic, Jurassic and Cretaceous sequences of the Ordos Basin in northwestern China, rich in plant, spore-pollen, bivalve, ostracode, insect and fish fossils. 3 sections were visited: (1) the lacustrine Lower-Upper Triassic sequence and fluvial and delta Lower-Middle Jurassic; (2) complete Upper Triassic sequence with fluvial, delta, marsh and lacustrine sediments, (3) an almost complete Jurassic sequence (starting at the uppermost of the Upper Triassic and terminating at the Lower Cretaceous).

A2. Pre-Congress excursion: “*Non-marine Jurassic and Cretaceous deposits and the Jehol Biota in Western Liaoning Province, NE China*” was guided by BAoyu JIANG (School of Earth Sciences and Engineering, Nanjing University), XIAOLIN ZHANG & XIAOGANG YAO (Nanjing Institute of Geology and Palaeontology CAS) from August 3-7. Western Liaoning lies at the northern margin of the North China Craton, where volcanic terrains oriented SW to NE along the Tan-Lu fault system were developed during the Jurassic and Cretaceous. Mesozoic volcanic rocks intercalated with alluvial, fluvial, eolian and lacustrine deposits are widely distributed in this area. Numerous excellently preserved vertebrate and invertebrate fossils have been found from the Middle Jurassic (the Daohugou Biota) and Early Cretaceous (the Jehol Biota) lacustrine deposits in recent years, including dinosaurs, lizards, choristoderes, pterosaurs, birds, mammals, turtles, amphibians (anurans and salamanders), fishes, conchostracans, ostracodes, bivalves, gastropods, shrimps, insects, limuloids, spiders, ferns, gymnosperm, angiosperm, algae, pores and pollens.



The scholars visited the national park with a Jurassic petrified forest in Shehong County. A special field excursion was organized to the quake relics of the “*Wenchuan Earthquake 8.0 magnitude in May 12, 2008*” in Dujiangyan City and Yingxiu Town in Wenchuan County, the epicentre of the 8.0-magnitude earthquake that shook the province in May 2008.

C1. Post-Congress trip: “*Marine Lower to Middle Triassic, non-marine Upper Triassic, Jurassic and Lower Cretaceous sequences and biota in the Sichuan Basin*” was guided by YONGDONG WANG and HUI LUO (Nanjing Institute of Geology & Palaeontology, CAS); HUI OUYANG (Chongqing Museum of Natural History) and KUI LI (Museum of Chengdu University of Science and Technology), August 14-19. Located in SW China and the E border of the Qinghai-Tibet Plateau, the Sichuan Basin is one of the largest basins in China with extensively developed Paleozoic and Mesozoic strata. Triassic dolomites and limestones are of marine origin, Upper Triassic to Cretaceous sequences in Hechuan, Xuanhan, Suining and Santai areas are non-marine fluvial and lacustrine. Permian/Triassic, Middle/Upper Triassic, Triassic/Jurassic, and Jurassic/Cretaceous boundaries and stratotype sections of the Upper Jurassic Suining- and Penglaizhen formations are included. The trip from Shehong to Santai, Chongqing, Hechuan, Guang’an, Dazhou and Xuanhan ended in Chengdu.



C3. Field trip: “*Marine and non-marine Jurassic rocks and fossils of Thailand*” from August 14-22, was guided by ASSANEE MEESOON and his colleagues from Bureau of Fossil Research & Geological Museum, Thailand Department of Mineral Resources. Marine-brackish Jurassic rocks are widespread along the Thailand-Myanmar border, especially in the Mae Sot area located in the north, and Chumphon, Nakhon Si Thammarat, and Krabi Provinces to the south. The non-marine Jurassic is confined to the Phitsanulok area along the western rim of the Khorat Plateau. Jurassic marine strata and fossil localities of bivalves, ammonites and corals in Mae Sot, Chumphon, Nakhon Si Thammarat, and Krabi between Bangkok to Phitsanulok, Sukhothai, and Mae Sot in the north, going down to Ayutthaya via Bangkok, Prachuap Khiri Khan, Surat Thani, Krabi in the south, and Phuket, were visited.

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