

Late Palaeozoic and Mesozoic Continental Ecosystems in SE Asia

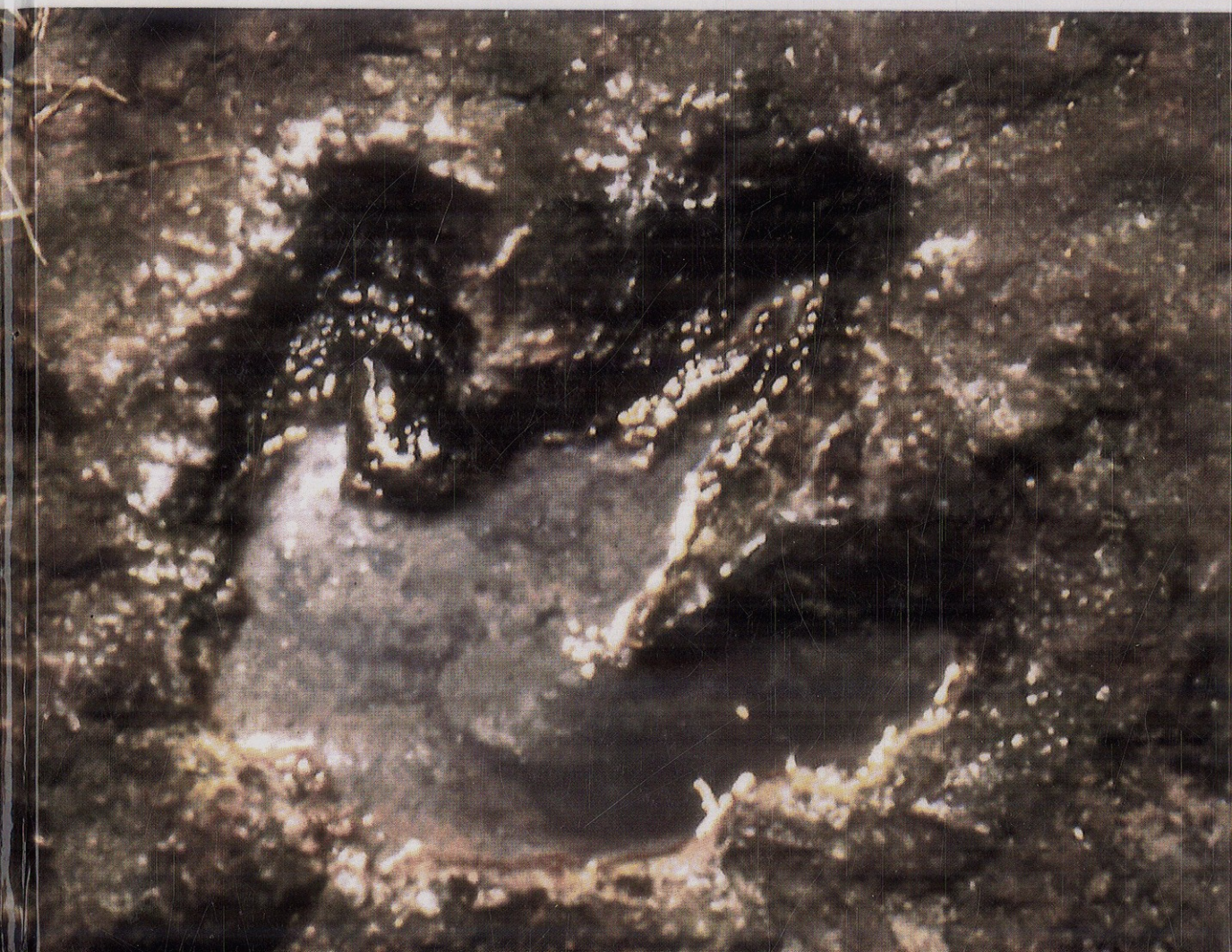
Edited by

E. Buffetaut, G. Cuny, J. Le Loeuff and V. Suteethorn



Geological Society

Special Publication 315



Contents

BUFFETAUT, E., CUNY, G., LE LOEUFF, J. & SUTEETHORN, V. Late Palaeozoic and Mesozoic continental ecosystems of SE Asia: an introduction	1
METCALFE, I. Late Palaeozoic and Mesozoic tectonic and palaeogeographical evolution of SE Asia	7
STEYER, J. S. The geological and palaeontological exploration of Laos; following in the footsteps of J. B. H. Counillon and A. Pavie	25
BATTAIL, B. Late Permian dicynodont fauna from Laos	33
RACEY, A. Mesozoic red bed sequences from SE Asia and the significance of the Khorat Group of NE Thailand	41
RACEY, A. & GOODALL, J. G. S. Palynology and stratigraphy of the Mesozoic Khorat Group red bed sequences from Thailand	69
PHILIPPE, M., DAVIERO-GOMEZ, V. & SUTEETHORN, V. Silhouette and palaeoecology of Mesozoic trees in Thailand	85
CUNY, G., SRISUK, P., KHAMHA, S., SUTEETHORN, V. & TONG, H. A new elasmobranch fauna from the Middle Jurassic of southern Thailand	97
DEESRI, U., CAVIN, L., CLAUDE, J., SUTEETHORN, V. & YUANGDETKLA, P. Morphometric and taphonomic study of a ray-finned fish assemblage (<i>Lepidotes buddhabutrensis</i> , Semionotidae) from the Late Jurassic–earliest Cretaceous of NE Thailand	115
CAVIN, L., DEESRI, U. & SUTEETHORN, V. The Jurassic and Cretaceous bony fish record (Actinopterygii, Dipnoi) from Thailand	125
TONG, H., CLAUDE, J., SUTEETHORN, V., NAKSRI, W. & BUFFETAUT, E. Turtle assemblages of the Khorat Group (Late Jurassic–Early Cretaceous) of NE Thailand and their palaeobiogeographical significance	141
TONG, H., CLAUDE, J., NAKSRI, W., SUTEETHORN, V., BUFFETAUT, E., KHANSUBHA, S., WONGKO, K. & YUANGDETKLA, P. <i>Basilochelys macrobios</i> n. gen. and n. sp., a large cryptodiran turtle from the Phu Kradung Formation (latest Jurassic–earliest Cretaceous) of the Khorat Plateau, NE Thailand	153
LAUPRASERT, K., CUNY, G., THIRAKHUPT, K. & SUTEETHORN, V. <i>Khoratosuchus jintasakuli</i> gen. et sp. nov., an advanced neosuchian crocodyliform from the Early Cretaceous (Aptian–Albian) of NE Thailand	175
SUTEETHORN, S., LE LOEUFF, J., BUFFETAUT, E., SUTEETHORN, V., TALUBMOOK, C. & CHONGLAKMANI, C. A new skeleton of <i>Phuwiangosaurus sirindhornae</i> (Dinosauria, Sauropoda) from NE Thailand	189
KLEIN, N., SANDER, M. & SUTEETHORN, V. Bone histology and its implications for the life history and growth of the Early Cretaceous titanosaur <i>Phuwiangosaurus sirindhornae</i>	217
BUFFETAUT, E., SUTEETHORN, V. & TONG, H. An early 'ostrich dinosaur' (Theropoda: Ornithomimosauria) from the Early Cretaceous Sao Khua Formation of NE Thailand	229
LE LOEUFF, J., SAENYAMOON, T., SOUILLAT, C., SUTEETHORN, V. & BUFFETAUT, E. Mesozoic vertebrate footprints of Thailand and Laos	245

LOCKLEY, M. G., McCREA, R. T. & MATSUKAWA, M. Ichnological evidence for small quadrupedal ornithischians from the basal Cretaceous of SE Asia and North America: implications for a global radiation	255
AMIOT, R., BUFFETAUT, E., LÉCUYER, C., FERNANDEZ, V., FOUREL, F., MARTINEAU, F. & SUTEETHORN, V. Oxygen isotope composition of continental vertebrate apatites from Mesozoic formations of Thailand; environmental and ecological significance	271
FERNANDEZ, V., CLAUDE, J., ESCARGUEL, G., BUFFETAUT, E. & SUTEETHORN, V. Biogeographical affinities of Jurassic and Cretaceous continental vertebrate assemblages from SE Asia	285
Index	301