

SECOND INTERNATIONAL SYMPOSIUM  
ON MESOZOIC TERRESTIAL ECOSYSTEMS  
JADWISIN 1981

*edited by*

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## PREFACE

The purpose of the symposia on Mesozoic Terrestrial Ecosystems is to promote the exchange of ideas about the evolution of life in terrestrial environments during the 150 million years of the Mesozoic. The theme set for the symposia, is a broad one, of interest to vertebrate and invertebrate paleontologists, anatomists, paleobotanists, paleoecologists and geologists.

The First Symposium on Mesozoic Terrestrial Ecosystems (Ecosystèmes Continentaux du Mésozoïque, Première table ronde internationale) was held in Paris, in September 1978. The papers presented at the Symposium were published in *Mémoires de la Société Géologique de France*, N.S. LIX, 1980.

The Second Symposium of this series, organized by the Institute of Paleobiology and Museum of Earth of the Polish Academy of Sciences was held from 14—19 September 1981 at Jadwisin near Warsaw. It was attended by 47 scientists from the following countries: Australia, Canada, Czechoslovakia, Denmark, Federal Republic of Germany, France, German Democratic Republic, Great Britain, People's Republic of China, Poland, Romania and United States of America. Out of thirty seven communications presented at the Symposium, twenty seven are published in the present volume.

It has been foreseen that the Third Symposium will be organized in Tübingen in 1984.

We would like to thank Dr. P. Dodson (University of Pennsylvania, Philadelphia), Prof. W. A. Clemens (University of California, Berkeley) and Dr. Jadwiga Karczewska (Institute of Paleobiology, Warsaw) for helping us in the editorial work.

*Editors*

LIST OF PARTICIPANTS OF THE SECOND INTERNATIONAL SYMPOSIUM  
ON MESOZOIC TERRESTRIAL ECOSYSTEMS JADWISIN, 1981

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ORGANIZING COMMITTEE: Zofia Kielan-Jaworowska (chairman), Teresa Maryńska, Halszka Osmólska, Maria Reymanówna, Maria Ziemińska-Tworzydło.

LIST OF COMMUNICATIONS PRESENTED AT THE SYMPOSIUM

ALVIN, K. L.: The importance of Cheirolepiaceae in Mesozoic environments. ARCHIBALD, J. D.: The structure of the Cretaceous-Tertiary mammal radiation in North America. BATTAIL, B.: The gomphodont cynodonts. BORSUK-BIAŁYNIČKA, M.: The Late Cretaceous stage of evolution of the platynotan lizards. BUFFETAUT, E.: Mesozoic vertebrate localities in Thailand. CLEMENS, W. A.: Mammalian evolution during the Cretaceous-Tertiary transition; evidence for gradual, non-catastrophic patterns of biotic change. CURRIE, P. J.: Dinosaur footprints of the Peace River Canyon. DODSON, P.: Paleocology of the Oldman Formation (Upper Cretaceous) Dinosaur Provincial Park, Alberta — interpreted by microfaunal ana-

lysis. ELŻANOWSKI, A.: Ecological review of the Cretaceous birds. FEIST, M.: Biostratigraphical significance of the charophytes in the Garumnian (Maastrichtian-Paleocene) of the Tremp area (Province of Lérida, Spain). GRIFFITHS, M.: Lactation in Monotremata and speculations concerning the nature of lactation in Cretaceous Multituberculata. GRIGORESCU, D.: Stratigraphy and paleoecology of the dinosaurian beds from Haţeg basin (Transylvania). HAUBOLD, H.: Archosaur evidence in the Buntsandstein. HECHT, M. K. and TARSITANO, S.: The paleobiological significance of *Archaeopteryx*. HILL, C. R.: Megafossil plants and initiation of fluvio-deltaic sedimentation in the Middle Jurassic (Aalenian) of Yorkshire, England. KARCZEWSKA, J. and ZIEMBIŃSKA-TWORZYDŁO, M.: Upper Cretaceous Charophyta assemblages from the Nemegt Basin, Gobi Desert, Mongolia. KERMAK, K. A. and MUSSETT, F.: The ear in mammal-like reptiles and early mammals. KIELAN-JAWOROWSKA, Z.: Endocranial casts of Cretaceous multituberculates — preliminary note. KVACEK, Z.: Cuticular studies in angiosperms of Bohemian Cenomanian. LESS, P. M. and MILLS, R.: A quasi-mammal from Lesotho. LIU HSIEN'ING and SU TETSAO: Fossil amiids of China and their biostratigraphical significance. LUCAS, S. G. and MATEER, N. J.: Vertebrate paleoecology of the late Campanian Fruitland Formation, San Juan Basin, New Mexico. MARYAŃSKA, T. and OSMÓLSKA, H.: Some aspects of hadrosaurian postcranial anatomy. MELLET, J. S.: Dinosaurs, mammals and Mesozoic taphonomy. MIERZEJEWSKA, G.: Fossil eggs from the Mongolian Upper Cretaceous. PAUL, G. S.: The evolution of the avian braincase, middle ear, skull kinesis and lung in the sickle clawed dinosaurs. POND, C. M.: The significance of lactation for the evolution of early mammals. REYMANÓWNA, M.: Ginkgoalean plants from the Kraków Jurassic and their habitats. RICQLÈS de, A.: Sauropod bone histology revisited. SIGOGNEAU-RUSSELL, D.: New elements of the Rhaetic fauna of Saint-Nicolas-de-Port (France). TAQUET, Ph.: Discoveries of Lower and Middle Jurassic dinosaurs from Morocco. TARSITANO, S.: Stance and gait in theropod dinosaurs. WATSON, J. and BATTEN, D. J.: Two Wealden species of *Equisetum* found *in situ*. WEISHAMPEL, D. B.: The evolution of ornithopod jaw mechanics. WIBLE, J. R.: The internal carotid artery and mammalian phylogeny. WILD, R.: Early lacertilians from the Triassic of Italy. ZHAO XIJIN (CHAO SHICHIN): Phylogeny and evolutionary stages of dinosaurs.