

Paleobiology

(ISSN 0094-8373)

Volume 37

Number 1

Winter, 2011

CONTENTS

Articles

- Phylogenetic corrections for morphological disparity analysis: new methodology and case studies
Stephen L. Brusatte, Shaena Montanari, Hong-yu Yi, and Mark A. Norell 1
- The Neogene transition from C₃ to C₄ grasslands in North America: stable carbon isotope ratios of fossil phytoliths
Francesca A. McInerney, Caroline A. E. Strömberg, and James W. C. White 23
- The Neogene transition from C₃ to C₄ grasslands in North America: assemblage analysis of fossil phytoliths
Caroline A. E. Strömberg and Francesca A. McInerney 50
- Does extinction wield an axe or pruning shears? How interactions between phylogeny and ecology affect patterns of extinction
Walton A. Green, Gene Hunt, Scott L. Wing, and William A. DiMichele 72
- A ubiquitous ~62-Myr periodic fluctuation superimposed on general trends in fossil biodiversity. I. Documentation
Adrian L. Melott and Richard K. Bambach 92
- Statistical methods for paleodemography on fossil assemblages having small numbers of specimens: an investigation of dinosaur survival rates
David Steinsaltz and Steven Hecht Orzack 113
- Fossil bovid diets indicate a scarcity of grass in the Langebaanweg E Quarry (South Africa) late Miocene/early Pliocene environment
Deano D. Stryder 126
- The evolution of the bone-cracking model in carnivorans: cranial functional morphology of the Plio-Pleistocene cursorial hyaenid *Chasmaporthetes lunensis* (Mammalia: Carnivora)
Zhijie Jack Tseng, Mauricio Antón, and Manuel J. Salesa 140
- Permian–Triassic land-plant diversity in South China: Was there a mass extinction at the Permian/Triassic boundary?
Conghui Xiong and Qi Wang 157
- Instructions for Contributors* 168