

Contents volume 84

Contents volume 84, No. 1

Editorial	1
Effects of a Cretaceous structural inversion and a postulated high heat flow event on petroleum system of the western Lower Saxony Basin and the charge history of the Apeldorn gas field J.Kus, B. Cramer & F. Kockel	3
Sedimentary architecture and optical dating of Middle and Late Pleistocene Rhine-Meuse deposits – fluvial response to climate change, sea-level fluctuation and glaciation Busschers, F.S., H.J.T. Weerts, J. Wallinga, P. Cleveringa, C. Kasse, H. de Wolf & K.M. Cohen	25
Evidence for medieval salt-making by burning Eel-grass (<i>Zostera marina L.</i>) in the Netherlands B. van Geel & G.J. Borger	43
Comment on 'The geometry and stratigraphic position of the Maassluis Formation (western Netherlands and south-eastern North Sea)' by Jansen et al. (2004b) F.P. Wesselingh, T. Meijer & P. Cleveringa	51
Reply to 'Comment on The geometry and stratigraphic position of the Maassluis Formation (western Netherlands and south-eastern North Sea)' H.S.M. Jansen	53

Contents volume 84, No. 2

Special Issue | Upper Cenozoic stratigraphy of the southern North Sea and Baltic basins

Introduction S. Passchier, K.F. Rijsdijk & C. Laban	59
Polish Pleistocene stratigraphy – A review of interglacial stratotypes A. Ber	61
Revised Pre-Devensian glacial stratigraphy in Norfolk, England, based on mapping and till provenance R.J.O. Hamblin, B.S.P. Moorlock, J. Rose, J.R. Lee, J.B. Riding, S.J. Booth & S.M. Pawley	77
A provisional Quaternary and Neogene lithostratigraphical framework for Great Britain A.A. McMillan	87
Cenozoic stratigraphy in the Danish North Sea Basin P. Konradi	109
Late Quaternary stratigraphy and morphogenesis in the Danish eastern North Sea and its relation to onshore geology B. Larsen & L.T. Andersen	113
Revised Upper Cenozoic stratigraphy of the Dutch sector of the North Sea basin: Towards an integrated lithostratigraphic, seismostratigraphic and allostratigraphic approach K.F. Rijsdijk, S. Passchier, H.J.T. Weerts, C. Laban, R.J.W. van Leeuwen & J.H.J. Ebbing	129

Contents volume 84, No. 3

Special Issue | Proceedings of the First Mosasaur Meeting

Frontispiece – Elizabeth (Betsy) Nicholls (1946 - 2004)

Jennifer Nicholls

163

Proceedings of the First Mosasaur Meeting – Introduction

A.S. Schulp & J.W.M. Jagt

165

Durophagous Mosasauridae (Squamata) from the Upper Cretaceous phosphates of Morocco, with description of a new species of *Globidens*

N. Bardet, X. Pereda Suberbiola, M. Iarochène, M. Amalik & B. Bouya

167

Dallasaurus turneri, a new primitive mosasauroid from the Middle Turonian of Texas and comments on the phylogeny of Mosasauridae (Squamata)

G.L. Bell Jr. & M.J. Polcyn

177

Annotated catalogue of marine squamates (Reptilia) from the Upper Cretaceous of northeastern Mexico

M.-C. Buchy, K.T. Smith, E. Frey, W. Stinnesbeck, A.H. González González, C. Ifrim, J.G. López-Oliva & H. Porras-Muzquiz

195

Of German princes and North American rivers: Harlan's lost mosasaur snout rediscovered

M.W. Caldwell & G.L. Bell Jr.

207

Remains of *Clidastes* Cope, 1868, an unexpected mosasaur in the upper Campanian of NW Germany

M.W. Caldwell & C.G. Diedrich

213

A review of the taxonomy and systematics of aigialosaurs

A.R. Dutchak

221

Tylosaurus kansasensis, a new species of tylosaurine (Squamata, Mosasauridae) from the Niobrara Chalk of western Kansas, USA

M.J. Everhart

231

Recent mosasaur discoveries from New Jersey and Delaware, USA: stratigraphy, taphonomy and implications for mosasaur extinction

W.B. Gallagher

241

A new marine varanoid from the Cenomanian of the Middle East

A. Haber & M.J. Polcyn

247

Cretaceous $\delta^{13}\text{C}$ stratigraphy and the age of dolichosaurs and early mosasaurs

L.L. Jacobs, K. Ferguson, M.J. Polcyn & C. Rennison

257

Sea-surface temperatures and palaeoenvironments of dolichosaurs and early mosasaurs

L.L. Jacobs, M.J. Polcyn, L.H. Taylor & K. Ferguson

269

Stratigraphic ranges of mosasaurs in Belgium and the Netherlands (Late Cretaceous) and cephalopod-based correlations with North America

J.W.M. Jagt	283
New records of the tylosaurine mosasaur <i>Hainosaurus</i> from the Campanian-Maastrichtian (Late Cretaceous) of central Poland	
J.W.M. Jagt, J. Lindgren, M. Machalski & A. Radwanski	303
A review of Australian mosasaur occurrences	
B.P. Kear, J.A. Long & J.E. Martin	307
Danish mosasaurs	
J. Lindgren & J.W.M. Jagt	315
<i>Russellosaurus coheni</i> n. gen., n. sp., a 92 million-year-old mosasaur from Texas (USA), and the definition of the parafamily Russellosaurina	
M.J. Polcyn & G.L. Bell Jr.	321
Sharks eating mosasaurs, dead or alive?	
B.M. Rothschild, L.D. Martin & A.S. Schulp	335
Feeding the Mechanical Mosasaur: what did <i>Carinodens</i> eat?	
A.S. Schulp	345
Did mosasaurs have forked tongues?	
A.S. Schulp, E.W.A. Mulder & K. Schwenk	359
Mosasaur remains from the Upper Cretaceous Izumi Group of southwest Japan	
M. Tanimoto	373

Contents volume 84, No. 4

Aggregate resources in the Netherlands	
M.J. van der Meulen, S.F. van Gessel & J.G. Veldkamp	379
Constraints on the tectonic evolution of the Central European Basin System revealed by seismic reflection profiles from Northern Germany	
S. Mazur & M. Scheck-Wenderoth	389
Stable isotopic records in unionid shells as a paleoenvironmental tool	
S. Verdegaal, S.R. Troelstra, C.J. Beets & H.B. Vonhof	403
New geological data (Middle Triassic, Rhaetian-Liassic and Oligocene) of the Winterswijk quarry, the eastern Netherlands	
G.F.W. Herngreen, J.H.A. van Konijnenburg - van Cittert1, & H.W. Oosterink	409