REPORT

British Triassic palaeontology: literature supplement 39

Since the completion of the previous supplement (No. 38; *Mercian Geologist*, **19**, 63) on British Triassic palaeontology the following works on or relating to aspects of that subject have been published or have come to the compiler's notice.

Baczko, M.B von & Ezcurra, M.D., 2016. Taxonomy of the archosaur *Ornithosuchus*: reassessing *Ornithosuchus woodwardi* Newton, 1894 and *Dasygnathoides longidens* (Huxley 1877). *Earth and Environmental Science Transactions of Royal Society of Edinburgh*, **106**, 199-205.

Baron, M.G., Norman, D.B. & Barrett, P.M., 2017. A new hypothesis of dinosaur relationships and early dinosaur evolution. *Nature*, **543**: 501-506.

Beardmore, S., 2015. Neglected footprints step towards new life. *Earth Heritage*, **44**: 25-26.

Cope, J.C.W., 2016. Excursions West Dorset: Pinhay Bay to Lyme Regis. Geology of the Dorset Coast (2nd edn). *Geologists' Association Guide,* 22, 38-46.

Estes-Smargiassi, K.A. & Klompmaker, A.A., 2015. An enigmatic trace fossil from the Upper Triassic (Rhaetian) shales of western Europe. *Netherlands Journal of Geosciences*, **94**, 271-277.

Ezcurra, M.D., 2016. The phylogenetic relationships of basal archosauromorphs, with an emphasis on the systematics of proterosuchian archosauriforms. *PeerJ*, **4**, e1778 https://doi.org/10.7717/peerj.1778.

Herrera-Flores, J., Stubbs, T.L. & Benton, M.J., 2017. Macroevolutionary patterns in Rhynchocephalia: is the tuatara (*Spenodon punctatus*) a living fossil? *Palaeontology*, **60**, 319-328.

Ibarra, Y., Corsetti, F.A., Greene, S.E. & Bottjer, D.J., 2016. A microbial carbonate response in synchrony with the end-Triassic mass extinction across the SW UK. *Nature Scientific Reports*, **6** (article 19808; 8pp), doi:10.1038/srep19808.

Landon, E.N.U., Duffin, C.J., Hildebrandt, C., Davies, T.G., Simms, M.J. & Benton, M.J., 2017. The first discovery of crinoids and cephalopod hooklets in the British Triassic. *Proc. Geol. Assoc.*, **128**, 360-373.

Lindström, S., van de Schootbrugge, B., Hansen, K.H., Pedersen, G.K., Alsen, P., Thibault, N., Dybkjaer, K., Bjerrum, C.J. & Nielsen, L.H., 2017. A new correlation of Triassic-Jurassic boundary successions in NW Europe, Nevada and Peru, and the Central Atlantic Magmatic Province: a time-line for the end-Triassic mass extinction. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **478**, 80-102.

Lomax, D.R. & Tamura, N., 2014. *Dinosaurs of the British Isles*. Siri Scientific Press, 414pp. (*UK Triassic material has extensive coverage on pp.86-117*.)

Mears, E.M., Rossi, V., MacDonald, E., Coleman, G., Davies, T.G., Arias-Riesgo, C., Hildebrandt, C., Thiel, H., Duffin, C.J., Whiteside, D.I. & Benton, M.J., 2016. The Rhaetian (Late Triassic) vertebrates of Hampstead Farm Quarry, Gloucestershire, UK. *Proc. Geol. Assoc.*, **127**, 478-505.

Miller, C.S., Peterse, F., da-Silva, A.-C., Baranyi, V., Reichart, G.J. & Kürschner, W.M., 2017. Astronomical age constraints and extinction mechanisms of the Late Triassic Carnian crisis. *Nature Scientific Reports*, **7**(2557), doi:10.1038/s41598-017-02817-7.

Morton, J.D., Whiteside, D.I., Hethke, M. & Benton, M.J., 2017. Biostratigraphy and geometric morphometrics of conchostracans (Crustacea, Branchiopoda) from the Late Triassic fissure deposits of Cromhall Quarry, UK. *Palaeontology*, **60**, 349-374.

Morton, J.D., Whiteside, D.I., Hethke, M. & Benton, M.J., 2017. Corrigendum. Biogeography and geometric morphometrics of conchostracans (Crustacea, Branchiopoda) from the Late Triassic fissure deposits of Cromhall Quarry, UK. *Palaeontology*, **60**, 761.

Parker, W.G., 2016. Revised phylogenetic analysis of the Aetosauria (Archosauria: Pseudosuchia); assessing the effects of incongruent morphological character sets. *PeerJ*, **4**, e1583, https://doi.org/10.7717/peerj.1583.

Parker, W.G., 2016. Osteology of the Late Triassic aetosaur *Scutarx deltatylus* (Archosauria: Pseudosuchia). *PeerJ*, **4**, e2411 https://doi.org/10.7717/peerj.2411.

Radley, J.D. & Coram, R.A., 2016. The Chester Formation (Early Triassic, southern Britain): sedimentary response to extreme greenhouse climate? *Proc. Geol. Assoc.*, **127**, 552-557.

Scriven, S., 2016. *Fossils of the Jurassic Coast*. Lulworth: The Jurassic Coast Trust, 219pp.

Slater, T.S., Duffin, C.J., Hildebrandt, C., Davies, T.G. & Benton, M.J., 2016. Microvertebrates from multiple bone beds in the Rhaetian of the M4–M5 motorway junction, South Gloucestershire, U.K. *Proc. Geol. Assoc.*, **127**, 464-477.

Whiteside, D.I & Duffin, C.J., 2017. Late Triassic terrestrial microvertebrates from Charles Moore's '*Microlestes*' quarry, Holwell, Somerset, UK. *Zoological Journal of the Linnean Society*, **179**, 677-705.

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