REPORT

British Triassic palaeontology: literature supplement 41

Since the completion of the previous supplement (No. 40, *Mercian Geologist*, **19**, 200) 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.

Baranyi, V., Miller, C.S., Ruffell, A., Hounslow, M.W. & Kürschner, W.M., 2019. A continental record of the Carnian Pluvial Episode (CPE) from the Mercia Mudstone Group (UK): palynology and climatic applications. *J. Geol. Soc.*, **176**, 149-166.

Benton, M.J., Bernardi, M. & Kinsella, C., 2018. The Carnian Pluvial Episode and the origin of dinosaurs. *J. Geol. Soc.*, **175**, 1019-1026.

Bernardi, M., Petti, F.M. & Simões, T.R., 2019. No longer in the Mesozoic. The Permian world as a cradle for the origin of key vertebrate groups. *Permophiles*, **67**, 29-31. (Newsletter of the Subcommission on Permian Stratigraphy: ISSN 1684-5927).

Chambi-Trowell, S.A.V., Whiteside, D.I. & Benton, M.J., 2019. Diversity in rhynchocephalian *Clevosaurus* skulls based on CT reconstruction of two Late Triassic species from Great Britain. *Acta Palaeontologica Polonica*, **64**, 41-64.

Coram, R.A., Radley, J.D. & Benton, M.J., 2019. The Middle Triassic (Anisian) Otter Sandstone biota (Devon, UK): review, recent discoveries and ways ahead. *Proc. Geol. Assoc.*, **130**, 294-306.

Cross, S.R.R., Ivanovski, N., Duffin, C.J., Hildebrandt, C., Parker, A. & Benton, M.J., 2018. Microvertebrates from the basal Rhaetian Bone Bed (latest Triassic) at Aust Cliff, S.W. England. *Proc. Geol. Assoc.*, **129**, 635-653.

Gallois, R., 2019. The stratigraphy of the Permo-Triassic rocks of the Dorset and East Devon Coast World Heritage Site, U.K. *Proc. Geol. Assoc.*, **130**, 274-293.

Kelly, R.S. & Nel, A., 2018. Revision of some damsel-dragonflies (Odonata, Liassophlebiidae and Anglophlebiidae new family) from the Triassic/Jurassic of England and Antarctica. *J. Paleontology*, **92**, 1035-1048.

Lomax, D.R., Evans, M. & Carpenter, S., 2019. An ichthyosaur from the UK Triassic-Jurassic boundary: a second specimen of the leptonectid ichthyosaur *Wahlisaurus massarae* Lomax 2016. *Geol. J.*, **54**, 83-90.

Lucas, S.G. & Tanner, L.H., 2018. The missing Mass Extinction at the Triassic-Jurassic boundary. *Topics Geobiology*, **46**, 721-785.

Mangerud, G., Paterson, N.W. & Riding, J.B., 2019. The temporal and spatial distribution of Triassic dinoflagellate cysts. *Review Palaeobotany Palynology*, **261**, 53-66.

Milner, A.C. & Barrett, P.M., 2016. Smith Woodward's contributions on fossil tetrapods. *Geol. Soc. Spec. Publ.*, 430, 289-309.

Newell, A., 2018. Evolving stratigraphy of a Middle Triassic fluvial-dominated sheet sandstone: the Otter Sandstone Formation of the Wessex Basin (UK). *Geol. J.*, **53**, 1954-1972.

Radley, J.D. & Coram, R.A., 2018. Warwick sandstone: a window onto Middle Triassic life and landscapes. *Geology Today*, **34**, 230-235.

Riding, J.B., 2019. The literature on Triassic, Jurassic and earliest Cretaceous dinoflagellate cysts: Supplement 3. *Palynology*, **43**, 104-150.

Wintrich, T. & Sander, M., 2018. The Rhaetian mystery bones – a histological approach to test several hypotheses. *Terra Nostra*, 2018/1, 134.

Zaher, M., Coram, R.A. & Benton, M.J., 2018. The Middle Triassic procolophonid *Kapes bentoni*: computed tomography of the skull and skeleton. *Papers in Palaeontology*, **5**, 111-138.

Geoffrey Warrington,
School of Geography, Geology & the Environment,
University of Leicester, Leicester LE1 7RH
gwarrington@btinternet.com

Back cover photographs

Perhaps just an indulgence of a retiring editor, with a few of his own memories of geological sites and sights in and around the East Midlands.

Clockwise from top left:

Not quite in the East Midlands, but in Walsall. The house collapsed into a mine shaft 90 m deep, which had been abandoned, inadequately filled, covered and forgotten before the house was built. Two men had left the house a few minutes before the collapse, after seeing a wall crack that had grown overnight and then going to fetch a mobile phone from their car parked on the road. The backfill in the shaft had run into the mine galleries below.

A posed photograph at the Hoveringham gravel quarry with a well-preserved mammoth tooth that had been found there some years previously.

Textbook pillar-and-stall working in the gypsum mine at Gotham when it was still active.

Wide open spaces in the Fenlands, which constitute a classic geological site with their long history of ground subsidence on peat soils since the old wetlands were drained to create good farmland.

How many visitors realise that Nottingham's magnificent Rock Cemetery is the site of an old sand mine? The five stumps of sandstone between the graves in the foreground are the remains of pillars that supported the mine roof until the mine was intentionally collapsed in 1811, after roof failures had rendered it unsafe.

A small fault in Coal Measure rocks, exposed during construction of the Ilkeston by-pass; the two bored piles of concrete had been installed to stabilise the face prior to bulding a permanent retaining wall