Case 3191

*Pareiasaurus karpinskii* Amalitzky, 1922 (currently *Scutosaurus karpinskii*; Reptilia, Pareiasauria): proposed conservation of the specific name

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**Abstract.** The purpose of this application is to conserve the specific name and typification of the taxon currently known as *Scutosaurus karpinskii* (Amalitzky, 1922), an abundant fossil pareiasaurian reptile from the Russian Permian. The specific name *karpinskii* is threatened by the spelling variant *karpinskyi*, inadvertently published prematurely by Watson (1917) when the full description was delayed by war and the death of Amalitzky; if the name were attributed to the 1917 publication the name-bearing type would not be the skeleton designated as the holotype of *Pareiasaurus karpinskii* by Amalitzky (1922).

**Keywords.** Nomenclature; taxonomy; Reptilia; Pareiasauria; Pareiasauridae; Scutosaurus; Scutosaurus karpinskii; Permian; Russia.

1. The first specimens of the Permian pareiasaurian reptile currently known as *Scutosaurus karpinskii* (Amalitzky, 1922) were excavated from North Dvina (near Kotlas, north European Russia) around the beginning of the 20th-century by the palaeontologist Vladimir P. Amalitzky (Buffetaut, 1987; Ochev & Surkov, 2000). Amalitzky was preparing a full description of the entire North Dvina fauna, including the pareiasaur, but this was interrupted by the First World War and his sudden death in 1918 (Woodward, 1918; Buffetaut, 1987).

2. While Amalitzky’s full description was delayed, his friend and colleague D.M.S. Watson (1917, p. 10) published a figure of a scapulocoracoid, labelling it ‘*Pariasaurus Karpinskyi*, Amalitz’. This drawing was based on a poor and extensively remodelled cast in the Natural History Museum, London, of a specimen (PIN 2005/1535) in the Palaeontological Institute of the Russian Academy of Sciences in Moscow. The full description of the species was only published (posthumously) five years later, when Amalitzky (1922, pp. 334–335) described the taxon as ‘*Pareiosaurus Karpinskii*’, with a diagnosis and designation of a holotype. The holotype was illustrated and showed a complete skeleton in the Palaeontological Institute. This was matched by myself (Lee, 2000) to specimen number PIN 2005/1532 — a different individual from the specimen represented by Watson’s cast.

3. Watson’s brief description has priority over Amalitzky’s fuller treatment, and if this were followed the specific name *karpinskyi* would have priority over *karpinskii* and the specimen (PIN 2005/1535) from which the London cast was made might be cited as the holotype, rather than the skeleton of a different animal (PIN 2005/1532). However, Watson’s anatomical paper was clearly not intended to be a formal
description of a new taxon, since (a) he explicitly credits Amalitzky as the source of the name, listing it as 'Pariasaurus Karpinskyi, Amalitz', and (b) apart from the illustration of the cast of a single element, he did not explicitly nominate a holotype or present a diagnosis. Clearly, he intended his contribution to appear after Amalitzky's formal description, but this did not occur due to the delays discussed above.

4. Hartmann-Weinberg (1930, p. 59) recognised that this Russian species is phylogenetically and morphologically very distinct from the South African taxon Pareiasaurus serridens (the type species of Pareiasaurus Owen, 1876), and she therefore erected the new genus Scutosaurus for the former; she consistently misspelt the specific name as karpinsky. Earlier proposed new generic assignments are typographic errors. Amalitsky (1922) obviously misspelt Pareiasaurus, since he referred the Russian taxon and Pareiasaurus serridens to the genus 'Pareiosaurus'. Watson's (1914a, b; 1917) assignation of the Russian form and other pareiasaur to 'Pareiasaurus' represents a similar invalid misspelling of Pareiasaurus. Evidently neither Amalitzky nor Watson intended to erect a new genus for karpinskii; they merely placed it in the same genus as Pareiasaurus serridens but misspelt the generic name.

5. Since Boonstra (1934a, b) the Russian taxon has almost universally been referred to as Scutosaurus karpinskii (Amalitzky, 1922). All papers since then have used the generic name Scutosaurus rather than the typographic variants of Pareiasaurus; examples are Hartmann-Weinberg (1937), Efremov (1940a, b, c); Huene (1944), Bystrow (1957), Olson (1957), Ivachnenko (1987), Gao (1989), Lee (1993, 1997, 2000), and Modesto & Rybczynski (2000). In contrast to the works listed above, only Gregory (1946) used the name karpinskyi while Kuhn (1969) used both spellings of the specific name.

6. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary power to suppress the specific name karpinskyi Watson, 1917, as published in the binomen Pariasaurus karpinskyi, for the purposes of both the Principle of Priority and the Principle of Homonymy;

(2) to place on the Official List of Generic Names in Zoology the name Scutosaurus Hartmann-Weinberg, 1930 (gender: masculine), type species by monotypy Pariasaurus karpinskii Amalitzky, 1822;

(3) to place on the Official List of Specific Names in Zoology the name karpinskii Amalitzky, 1922, as published in the binomen Pariasaurus karpinskii (specific name of the type species of Scutosaurus Hartmann-Weinberg, 1930);

(4) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name karpinskyi Watson, 1917, as published in the binomen Pariasaurus [sic] karpinskyi and as suppressed in (1) above.

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Comments on this case are invited for publication (subject to editing) in the *Bulletin*; they should be sent to the Executive Secretary, I.C.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. (e-mail: iczn@nhm.ac.uk).