

**OPINION 2264 (Case 3431)*****Procynosuchus* Broom, 1937 (Therapsida, Cynodontia): generic name conserved**

**Abstract.** The Commission has ruled that the generic name *Procynosuchus* Broom, 1937 for a group of Permian cynodonts (family PROCYNOSUCHIDAE) has precedence over the older names *Cyrbasiodon* Broom, 1931 and *Parathrinaxodon* Parrington, 1936 whenever these genera are considered to be synonyms.

**Keywords.** Nomenclature; taxonomy; Therapsida; Cynodontia; PROCYNOSUCHIDAE; *Procynosuchus*; *Cyrbasiodon*; *Parathrinaxodon*; *Procynosuchus delaharpeae*; *Cyrbasiodon boycei*; *Parathrinaxodon proops*; Permian; Africa; Germany; Russia.

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**Ruling**

- (1) Under the plenary power it is hereby ruled that precedence is given to the following names:
  - (a) *Procynosuchus* Broom, 1937 over the names *Cyrbasiodon* Broom, 1931 and *Parathrinaxodon* Parrington, 1936 whenever it and either of the other two are considered to be synonyms;
  - (b) *delaharpeae* Broom, 1937, as published in the binomen *Procynosuchus delaharpeae* (specific name of the type species of *Procynosuchus* Broom, 1937), over the names *boycei* Broom, 1931, as published in the binomen *Cyrbasiodon boycei* (specific name of the type species of *Cyrbasiodon* Broom, 1931), and *proops* Parrington, 1936, as published in the binomen *Parathrinaxodon proops* (specific name of the type species of *Parathrinaxodon* Parrington, 1936), whenever it and either of the other two are considered to be synonyms.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
  - (a) *Procynosuchus* Broom, 1937 (gender: masculine), type species by monotypy *Procynosuchus delaharpeae* Broom, 1937, with the endorsement that it is to be given precedence over the names *Cyrbasiodon* Broom, 1931 and *Parathrinaxodon* Parrington, 1936 whenever it and either of the other two are considered to be synonyms;
  - (b) *Cyrbasiodon* Broom, 1931 (gender: masculine), type species by monotypy *Cyrbasiodon boycei* Broom, 1931, with the endorsement that it is not to be given priority over the name *Procynosuchus* Broom, 1937 whenever the two are considered to be synonyms;
  - (c) *Parathrinaxodon* Parrington, 1936 (gender: masculine), type species by monotypy *Parathrinaxodon proops* Parrington, 1936, with the endorsement that it is not to be given priority over the name *Procynosuchus* Broom, 1937 whenever the two are considered to be synonyms.
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:

- (a) *delaharpeae* Broom, 1937, as published in the binomen *Procynosuchus delaharpeae* (specific name of the type species of *Procynosuchus* Broom, 1937), with the endorsement that it is to be given precedence over the names *Cyrbasiodon boycei* Broom, 1931 and *Parathrinaxodon proops* Parrington, 1936 whenever it and either of the other two are considered to be synonyms;
- (b) *boycei* Broom, 1931, as published in the binomen *Cyrbasiodon boycei* (specific name of the type species of *Cyrbasiodon* Broom, 1931), with the endorsement that it is not to be given priority over the name *Procynosuchus delaharpeae* Broom, 1937 whenever the two are considered to be synonyms;
- (c) *proops* Parrington, 1936, as published in the binomen *Parathrinaxodon proops* (specific name of the type species of *Parathrinaxodon* Parrington, 1936), with the endorsement that it is not to be given priority over the name *Procynosuchus delaharpeae* Broom, 1937 whenever the two are considered to be synonyms.

### History of Case 3431

An application to conserve the generic name *Procynosuchus* Broom, 1937 for a group of Permian cynodonts (family PROCYNOSUCHIDAE) by giving it precedence over the older names *Cyrbasiodon* Broom, 1931 and *Parathrinaxodon* Parrington, 1936 whenever these genera are considered synonymous, was received from Christian F. Kammerer (*University of Chicago, Chicago, IL, U.S.A.*) and Fernando Abdala (*University of the Witwatersrand, Johannesburg, South Africa*) on 10 July 2007. After correspondence the case was published in BZN **66**: 64–69 (March 2009). The title, abstract and keywords of the case were published on the Commission's website. Three supportive comments on this case were published in BZN **66**: 188 (June 2009) and **67**: 95 (March 2010).

### Decision of the Commission

On 1 June 2010 the members of the Commission were invited to vote on the proposals published in BZN **66**: 67 (March 2009). At the close of the voting period on 1 September 2010 the votes were as follows

Affirmative votes – 20: Ballerio, Bouchet, Brothers, Fautin, Grygier, Halliday, Harvey, Krell, Lamas, Minelli, Ng, Pape, Papp, Rosenberg, Štys, van Tol, Winston, Yanega, Zhang and Zhou.

Negative votes – 4: Bogutskaya, Kojima, Kullander and Lim.

Alonso-Zarazaga, Kottelat, Patterson and Pyle were on leave of absence.

### Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:

*boycei*, *Cyrbasiodon*, Broom, 1931, *Records of the Albany Museum*, **4**: 163.

*Cyrbasiodon* Broom, 1931, *Records of the Albany Museum*, **4**: 163.

*delaharpeae*, *Procynosuchus*, Broom, 1937, *Proceedings of the Zoological Society of London, Series B*, **107**: 314.

*Parathrinaxodon* Parrington, 1936, *Philosophical Transactions of the Royal Society of London, Series B*, **230**: 132.

*Procynosuchus* Broom, 1937, *Proceedings of the Zoological Society of London, Series B*, **107**: 314.

*proops*, *Parathrinaxodon*, Parrington, 1936, *Philosophical Transactions of the Royal Society of London, Series B*, **230**: 132.