Corrections to Neotropical *Rhinaspis* Perty and *Plectris* LePeletier and Audinet-Serville (Coleoptera: Scarabaeidae: Melolonthinae) classification and nomenclature

Andrew B. T. Smith  
Research Division  
Canadian Museum of Nature  
P.O. Box 3443, Station D  
Ottawa, Ontario, K1P 6P4, Canada

Date of Issue: January 22, 2016
Andrew B. T. Smith
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*Insecta Mundi* 0463: 1–6


**Published in 2016 by**
Center for Systematic Entomology, Inc.
P. O. Box 141874
Gainesville, FL 32614-1874 USA
http://centerforsystematicentomology.org/

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**Layout Editor for this article:** Eugenio H. Nearns
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Andrew B. T. Smith  
Research Division  
Canadian Museum of Nature  
P.O. Box 3443, Station D  
Ottawa, Ontario, K1P 6P4, Canada  
asmith@unl.edu

**Abstract.** The name *Melolontha hypocrita* Mannerheim, 1829 has been long unused, even though it is the type species of *Hyporhiza* Dejean, 1833. I examined the only known specimen from the type series and here designate it as the lectotype. Examination of this lectotype reveals that this species is best placed in the genus *Rhinaspis* Perty, 1830. Consequently, the genus *Hyporhiza* Dejean, 1833 is confirmed as a junior synonym of *Rhinaspis*. Further, the replacement name *Rhinaspis fuhrmanni* is proposed for *Rhinaspis hypocrita* (Blanchard, 1850), a new secondary homonym of *Rhinaspis hypocrita* (Mannerheim, 1829). A homonymy problem was also discovered and corrected for the genus *Plectris* LePeletier and Serville, 1828. The replacement name *Plectris schoolmeestersi* is proposed for *Plectris paraguayensis* Moser, 1924, which is a secondary junior homonym of *Plectris paraguayensis* (Moser, 1921).

**Key words.** Macrodactylini, Argentina, Brazil, Paraguay, chafers.

**Introduction**

The Neotropical genera *Rhinaspis* Perty, 1830 and *Plectris* LePeletier and Audinet-Serville, 1828 (Coleoptera: Scarabaeidae: Melolonthinae: Macrodactylini) include 14 and 360 species, respectively. Evans and Smith (2009) recently catalogued both of these genera, but there are still issues of classification and nomenclature that need to be addressed. This paper synonymizes a generic name under *Rhinaspis*, reclassifies a long-forgotten species in *Rhinaspis*, and proposes two replacement names for secondary junior homonyms within *Plectris* and *Rhinaspis*.

**Materials and Methods**

The only known syntype specimen of *Rhinaspis hypocrita* (Mannerheim, 1829) was borrowed from the Finnish Museum of Natural History, Helsinki, Finland. Macrodactylini specimens from the Canadian Museum of Nature, Ottawa, Ontario, Canada were used for comparison. The label data of the lectotype is verbatim with lines breaks indicated by a slash “/”. The images were taken using a Leica image stacking system at the Canadian Museum of Nature and the plates were composed in Adobe Photoshop.

**Genus Rhinaspis Perty, 1830**

*Rhinaspis* Perty, 1830: 46. Type species *Rhinaspis schrankii* Perty, 1830 by monotypy.  
**Synonym.** *Hyporhiza* Dejean, 1833: 162. Type species *Melolontha hypocrita* Mannerheim, 1829 by monotypy. **Confirmed synonym.**

*Rhinaspis* Perty, 1830: 46. Type species *Rhinaspis schrankii* Perty, 1830 by monotypy.  
**Synonym.** *Ulomenes* Blanchard, 1850: 125. Type species *Ulomenes hypocrita* Blanchard, 1850 by monotypy.  
**Synonym.** *Barybas* Burmeister, 1855: 20 (junior homonym of *Barybas* Blanchard, 1850: 94). Type species *Barybas volvulus* Burmeister, 1855 by monotypy.  
**Synonym.** *Byrasba* Harold, 1869: 122. Type species *Barybas volvulus* Burmeister, 1855 by monotypy.  
Remarks. The generic name Hyporhiza Dejean, 1833 was recently discussed by Bousquet and Bouchard (2013), but they erroneously stated that the name was an objective synonym of Ulomenes Blanchard, 1850 (which is also a synonym of Rhinaspis Perty, 1830). This seems to stem from a lengthy confusion in the literature between Melolontha hypocrita Mannerheim, 1829 (the type species of Hyporhiza) and Ulomenes hypocrita Blanchard, 1850 (the type species of Ulomenes). Although the two specific names have the same spelling they are different species and were validated independently by Mannerheim (1829) and Blanchard (1850).

Rhinaspis fuhrmanni Smith, new name

Original combination. Rhinaspis fuhrmanni Smith (replacement name for Rhinaspis hypocrita (Blanchard, 1850: 125))

Synonym. Ulomenes hypocrita Blanchard, 1850: 125 (secondary junior homonym of Rhinaspis hypocrita (Mannerheim, 1829: 65))

Distribution. Brazil.

Etymology. The replacement name is a patronym for Juares Fuhrmann, in appreciation of his helpful comments on Rhinaspis and Plectris characters.

Rhinaspis hypocrita (Mannerheim, 1829) new combination


Type series. Lectotype male (Fig. 1–9) at the Finnish Museum of Natural History, Helsinki, Finland labeled (Fig. 9) a) “Brasilia / Minas Gerais” (handwritten), b) “Ménétr.” (typeset), c) “MELOLONTHA / HYPOCRITA / MANNERHEIM, 1829 / LECTOTYPE ♂ / A.B.T. SMITH” (handwritten and typeset on red paper), d) “RHINASPIS / HYPOCRITA / (MANNERHEIM) ♂ / Det:A.B.T.Smith 2015” (handwritten and typeset). Lectotype here designated. Based on Mannerheim’s (1829) description there were more specimens in the type series (he states “frequentissima”). The current whereabouts of any paralectotypes is unknown.

Distribution. Brazil: Minas Gerais, Congonhas do Norte (“Serra da Lapa”). According to the label and Mannerheim (1829), the lectotype was collected in Serra da Lapa by Édouard Ménétriés. Papavero (1971: 53) noted that Ménétriés was in Serra da Lapa from 16 October–4 December 1824 and 3 January 1825 (return trip) with Baron Georg Heinrich von Langsdorff, which was undoubtedly when the lectotype was collected.

Remarks. The species is placed in the genus Rhinaspis based on the key to Macrodactylini genera in Katovich (2008), and by comparison with other Rhinaspis species in the Canadian Museum of Nature collection. The characters supporting the placement in Rhinaspis are: length 12 mm; clypeus reflexed with apex straight (not rounded, bilobed, or dentate) (Fig. 3–5); mentum flat, rectangular, with bilobed apex, without medial furrow (Fig. 5); pronotum with apical margin distinctly bordered (Fig. 4); pronotum with basal margin evenly rounded, not interlocking with scutellum (Fig. 1–2); scutellum with basal margin straight, not interlocking with pronotum (Fig. 1–2); sternites evenly rounded (Fig. 6); all claws dentate (Fig. 1–2); parameres laterally with long tufts of setae (Fig. 7–8). It is noteworthy that the unmodified clypeus of the male of this species is unusual for Rhinaspis.
Genus *Plectris* LePeletier and Audinet-Serville


**Synonym.** *Pseudoserica* Guérin-Méneville, 1838: 86. Type species *Serica marmorea* Guérin-Méneville, 1831 by monotypy.

**Synonym.** *Demodema* Blanchard, 1850: 121. Type species *Demodema fallax* Blanchard, 1850 by subsequent designation (Lacordaire, 1856: 258).

**Synonym.** *Euryaspis* Blanchard, 1851: 130. Type species *Euryaspis gaudichaudii* Blanchard, 1851 by monotypy.

**Synonym.** *Trichoderma* Nonfried, 1894: 11 (junior homonym). Type species *Trichoderma ceylanica* Nonfried, 1894 by monotypy.

**Synonym.** *Junkia* Dalla Torre, 1913: 310 (replacement name for *Trichoderma* Nonfried, 1894). Type species *Trichoderma ceylanica* Nonfried, 1894 by monotypy.

*Plectris paraguayensis* (Moser, 1921)

**Original combination.** *Demodema paraguayensis* Moser, 1921: 156.

**Distribution.** Paraguay.

**Remarks.** This species was transferred to *Plectris* when Katovich (2008) synonymized *Demodema* under *Plectris*. The first explicit use of the new combination was by Evans and Smith (2009: 283), who overlooked the secondary homonymy with *Plectris paraguayensis* Moser, 1924.

*Plectris schoolmeestersi* Smith, new name

**Original combination.** *Plectris schoolmeestersi* Smith (replacement name for *Plectris paraguayensis* Moser, 1924: 130).

**Synonym.** *Plectris paraguayensis* Moser, 1924: 130 (secondary junior homonym of *Plectris paraguayensis* (Moser, 1921: 156)).

**Distribution.** Argentina, Paraguay.

**Etymology.** The replacement name is a patronym for Paul Schoolmeesters, who discovered this homonymy and brought it to my attention.

**Acknowledgments**

My thanks to Art Evans and Juaires Fuhrmann for their helpful discussions of characters for Macrodactylini genera and for their reviews of this paper. I would also like to thank Paul Schoolmeesters for pointing out the *Plectris paraguayensis* homonym problem and Hans Silfverberg for access to the *Rhinaspis hypocrita* lectotype.

**Literature Cited**


Received November 10, 2015. Accepted December 9, 2015.

Review Editor Michael L. Ferro.
Figures 1–6. *Rhinaspis hypocrita* lectotype male. 1) Dorsal habitus. 2) Lateral habitus. 3) Lateral head and pronotum. 4) Dorsal head and pronotum. 5) Ventral head. 6) Ventral habitus.