



## Two overlooked generic synonyms in the Thraupidae (Aves: Passeriformes)

VÍTOR Q. PIACENTINI<sup>1,4</sup>, PHILIP UNITT<sup>2</sup> & KEVIN J. BURNS<sup>3</sup>

<sup>1</sup>Programa de Pós-graduação em Zoologia, Instituto de Biociências, Universidade Federal de Mato Grosso, Cuiabá, Mato Grosso, Brazil; <sup>2</sup>Ornithology Department, Academy of Natural Sciences of Drexel University, Philadelphia, Pennsylvania 19103, USA

<sup>3</sup>San Diego Natural History Museum, P. O. Box 121390, San Diego, California 92112, USA

<sup>4</sup>Department of Biology, San Diego State University, San Diego, California 92182-4614, USA

<sup>4</sup>Corresponding author. E-mail: [vitor.piacentini@gmail.com](mailto:vitor.piacentini@gmail.com)

In a revision of the generic classification of the tanagers, Burns *et al.* (2016) proposed the name *Islerothraupis* with type species *Tanagra cristata* Linnaeus, 1766 (long known as *Tachyphonus cristatus*); however, they overlooked a previous designation of that species as the type of a genus. In 1821, Feliks Pawel Jarocki, in the second volume of *Zoologia czyli Zwierzętopismo Ogólne podług Naynowszezo Systematu ułożone* (“Zoology, or general natural history account according to the newest arranged system”), page 133, specified *Tanagra cristata* as the type of a proposed subgenus *Loriotus*. The original text in Polish is available at the website [www.rcin.org.pl](http://www.rcin.org.pl), the Digital Repository of Scientific Institutes, which has made a wide diversity of scholarship in Polish available over the Internet. The original description of *Loriotus*, in parallel with other names Jarocki introduced in his *Zoologia*, is minimal: “*Dziób ostro kończysty, cokolwiek zgięty. Żuchwy szczęki spodniey przy nasadzie bardzo mało zgrubiałe.*” (Bill ending in a point, somewhat curved. Lower mandible slightly thickened at base.)

Nevertheless, it complies with the rules for a new genus-group name proposed before 1931 and is therefore available (ICZN 1999: articles 11 and 12). In fact, several other genera and subgenera introduced by Jarocki in the same book, such as *Remiz*, *Phoeniculus*, *Crinifer*, and *Vestiaria*, have been in continuous use as genera since Mathews & Iredale (1918) called attention to Jarocki’s long-overlooked work, which was advanced for its time. The ICZN (1966) has suppressed one of Jarocki’s names, *Cardinalis* (type species *Tanagra rubra* “GL” = *Fringilla rubra* Linnaeus, 1758, long known as *Piranga rubra*), but this action was not based on any nomenclatural problem in Jarocki’s work; rather it allowed for reinstatement of the younger name *Cardinalis* Bonaparte, 1838 as the genus for *Loxia cardinalis* Linnaeus, 1758, the Northern Cardinal.

Unlike the long-accustomed name *Cardinalis* for the cardinals, *Islerothraupis* has no history of wide usage, and so we recommend that it be treated as a junior objective synonym of *Loriotus* Jarocki, 1821. Accordingly, the three species we had included in *Islerothraupis*, *Tanagra cristata* Linnaeus, *Tachyphonus luctuosus* d’Orbigny & Lafresnaye, and *Tanagra rufiventer* Spix, should be known as *Loriotus cristatus*, *Loriotus luctuosus*, and *Loriotus rufiventer*, respectively. *Loriotus* should be regarded as masculine in gender, in agreement with its latinized form.

***Loriotus*** Jarocki, 1821 m

*Zoologia*, 2, p. 133.

Type, by monotypy: *Tanagra cristata* “GL” = *Tanagra cristata* Gmelin, 1789 = *Tanagra cristata* Linnaeus, 1766

*Loriotus cristatus* (Linnaeus, 1766)

Generic synonym: ***Islerothraupis*** Burns, Unitt & Mason, 2016 f

*Zootaxa*, 4088, p. 335

Type, by original designation: *Tanagra cristata* Linnaeus, 1766

Subsequently, Piacentini (2017) presented a rationale for treating the Blue-and-yellow Tanager, long known as *Thraupis bonariensis* (Gmelin, 1789), in its own genus instead of subsuming it within *Pipraeidea*, as Burns *et al.* (2016) and Remsen *et al.* (2018) have previously recommended on the basis of molecular data. However, Piacentini’s proposal of a new genus, *Remsenornis*, for *P. bonariensis* overlooked the fact that Wolters (1980:340, footnote) had already pro-

posed a genus with *Loxia bonariensis* Gmelin as its type species: *Rauenia*. Wolters' name fulfils the requirements of the Code (ICZN 1999) for new genera proposed before 1999 and thus is available (see also Mlíkovský 2012). Consequently, *Remsenornis* Piacentini, 2017, is a junior objective synonym of *Rauenia* Wolters, 1980, and, if the Blue-and-yellow Tanager be classified in its own genus, it must be known as *Rauenia bonariensis*. *Rauenia* should be regarded as feminine in gender, in agreement with its latinized form.

***Rauenia*** Wolters, 1980 f

Vogelarten der Erde, lief. 5, p. 340.

Type, by original designation: *Loxia bonariensis* Gmelin, 1789

*Rauenia bonariensis* (Gmelin, 1789)

Generic synonym: ***Remsenornis*** Piacentini, 2017 m

Zootaxa, 4276, p. 298.

Type, by original designation: *Loxia bonariensis* Gmelin, 1789

We thank Eva Gruber for kindly translating Jarocki's Polish into English for us, and Gustavo Bravo for providing a copy of the original description of *Rauenia*. Thank you to Pamela C. Rasmussen, Stephen M. S. Gregory, and Richard Schodde for their suggestions on the manuscript. VQP receives a scholarship from Coordenação de Aperfeiçoamento de Pessoal de Ensino Superior (CAPES/PNPD). KJB acknowledges the National Science Foundation (IBN-0217817, DEB-0315416, and DEB-1354006) for support.

## References

- Bonaparte, C.L. (1838) *A Geographical and Comparative List of the Birds of Europe and North America*. J. van Voorst, London, 68 pp.  
<https://doi.org/10.5962/bhl.title.48881>
- Burns, K.J., Unitt, P. & Mason, N.A. (2016) A genus-level classification of the family Thraupidae (Class Aves: Order Passeriformes). *Zootaxa*, 4088 (3), 329–354.  
<https://doi.org/10.11646/zootaxa.4088.3.2>
- Gmelin, J.F. (1789) *Systema Naturae per Regna tria Naturae Vol. 1. 13<sup>th</sup> Edition. Part 2*. Impensis Georg. Emanuel. Beer, Lipsiae [Leipzig], 532 pp. [pp. 501–1032]  
<https://doi.org/10.5962/bhl.title.36932>
- ICZN [International Commission on Zoological Nomenclature] (1966) Opinion 784. *Cardinalis* Bonaparte, 1838 (Aves): Validated under the plenary power. *Bulletin of the International Commission on Zoological Nomenclature*, 23, 201–203.
- ICZN [International Commission on Zoological Nomenclature] (1999) *International Code of Zoological Nomenclature, fourth edition*. International Trust for Zoological Nomenclature, London, 306 pp.
- Jarocki, F.P. (1821) *Zoologia czyli Zwiérztopismo Ogólne Podług Naynowszeo Systematu Ułożone*. Łątkiewicz, Warsaw, 319 pp.
- Linnaeus, C. (1758) *Systema Naturae per Regna tria Naturae. Vol. 1. 10<sup>th</sup> Edition*. Laurentius Salvius, Stockholm, 824 pp.  
<https://doi.org/10.5962/bhl.title.542>
- Linnaeus, C. (1766) *Systema Naturae per Regna tria Naturae. Vol. 1. 12<sup>th</sup> Edition*. Laurentius Salvius, Stockholm, 532 pp.  
<https://doi.org/10.5962/bhl.title.68927>
- Mathews, G.M & Iredale, T. (1918) A forgotten ornithologist. *Austral Avian Record*, 3, 142–150.
- Mlíkovský, J. (2012) Note on the dating of Wolters's "*Vogelarten der Erde. Eine systematische Liste mit Verbreitungsangaben sowie deutschen und englischen Namen.*" *Zoological Bibliography*, 2, 118–122.
- Piacentini, V.Q. (2017) A new genus for the Blue-and-yellow Tanager (Aves: Passeriformes): a suggested adjustment to the classification of the Thraupidae. *Zootaxa*, 4276 (2), 293–300.  
<https://doi.org/10.11646/zootaxa.4276.2.11>
- Remsen, J.V., Jr., Areta, J.I., Cadena, C.D., Claramunt, S., Jaramillo, A., Pacheco, J.F., Robbins, M.B., Stiles, F.G., Stotz, D.F. & Zimmer, K.J. (2018) *A Classification of the Bird Species of South America*. American Ornithological Society. Available from: <http://www.museum.lsu.edu/~Remsen/SACCBaseline.htm> (accessed 25 July 2018)
- Wolters, H.E. (1975–1982) *Die Vogelarten der Erde. Eine systematische Liste mit Verbreitungsangaben sowie deutschen und englischen Namen*. Paul Parey, Hamburg, 748 pp.