

ON FAMILY GROUP NAMES BASED UPON *EURHIN*,
EURHINUS AND *EURHYNCHUS* (COLEOPTERA).
Z.N.(S.)2269

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Difficult problems arise concerning the formation of family-group names based upon *Eurhin*, *Eurhinus* and *Eurhynchus*. It appears to have escaped general notice that there are now in curculionid literature homonymous family-group names based upon *Eurhinus*. Casey, 1922, vol. 10, p. 417, used EURHININI as a tribal name in the BARIDINAE, and Kissinger, 1968, p. 10 used EURHININI as a tribal name in the APIONINAE.

2. The facts are as follows:

In the APIONIDAE (or APIONINAE) there is the following:

EURHYNUS Kirby, 1819 (1818), vol. 12, p. 427, as a spelling error in the body of the original description;

Eurhynchus Kirby & Spence, 1828, vol. 3, p. 324, an unjustified emendation for *Eurhinus* and a junior homonym of *Eurhynchus* Berthold, 1827 (Aves);

Eurhynchus Schoenherr, 1833, vol. 1(1), p. 247, an unjustified replacement name for *Eurhinus* Kirby and a junior homonym of *Eurhynchus* Berthold and *Eurhynchus* Kirby & Spence.

Eurrhinus, as a misspelling by Marshall, 1952, p. 268.

3. Any family-group name based upon this genus should be formed upon *Eurhinus*. The homonyms *Eurhynchus* Kirby & Spence and *Eurhynchus* Schoenherr were both 'stillborn' and cannot be used in the formation of family-group names.

4. In 1863, p. 380, p. 527, Lacordaire proposed the family group name 'Eurhynchides' based upon the homonym *Eurhynchus* Schoenherr. For the reasons of homonymy noted above, 'Eurhynchides' is an invalid form. The name should have been 'Eurhinides', based upon the valid *Eurhinus* Kirby. Kissinger, 1968, p. 10, noting the homonymy of *Eurhynchus*, used 'Tribe EURHININI Kissinger, new name'. In doing so, Kissinger created a homonym of EURHININI Casey, 1922, in the Baridinae, as noted below.

5. In the BARIDINAE there is the following:

Eurhin Illiger, 1807a, vol. 6, p. 309;

Eurhin Illiger, 1807b, vol. 6, p. 326;

Eurhinus Schoenherr, 1826, p. 312, as an emendation of *Eurhin* and a homonym of *Eurhinus* Kirby, 1819;

Macrorhine [vernacular] Latreille, 1825, p. 395. Synonymy by Lacordaire, 1866, vol. 7, p. 221, footnote 1, as *Macrorhinus*.

6. In 1866, vol. 7, p. 217, p. 220, Lacordaire proposed the family-group name 'Eurhinides', in the BARIDINAE, based upon the homonym *Eurhinus* Schoenherr instead of *Eurhin* Illiger. Because *Eurhinus* and *Eurhin* both have the same stem, *eurhin-*, each would give the form 'Eurhinides'. Hence, 'Eurhinides', EURHININA and EURHININI are valid names only in the BARIDINAE. Pierce, 1916, p. 472, proposed the subfamily name EURHININAE. Casey, 1922, p. 417, used the tribal name EURHININI. Hustache, 1938, p. 24 used the subtribal name EURHININA.

7. The acceptance of the family-group name EURHININI in the BARIDINAE renders the 'Eurhinini' presently in the APIONIDAE without a valid name. It is necessary, therefore, to circumvent the fact that the stem of both *Eurhin* and *Eurhinus* is the same, and the stem *eurhin-* cannot be used outside of the Baridinae where it has priority.

8. Because an impossible situation arises if the normal rules of compounding names are followed, an arbitrary decision appears to be required. Hence, it is suggested that the entire name *Eurhinus* Kirby be used as a stem to form Eurhinusina, Eurhinusini, Eurhinusinae and Eurhinusidae. Such action would agree with the example given in the Code under Article 55 where '*Merope* (Insecta) and *Merops* (Aves) each formed the basis of a family name MEROPIDAE. To overcome the homonymy, the Commission ruled that *Merope* should form the family name MEROPEIDAE (Opinion 140)'.

9. The Commission is requested to give a binding decision regarding the problem of family-group names based upon *Eurhin* and *Eurhinus*, by accepting *Eurhinus-* as the stem for the four taxa cited in the paragraph above.

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The name *Eurhinus* has been used for each of two distantly related genera of weevils (Curculionoidea) and homonymous family-group names have been based on this name in the two groups concerned. One of the two genera belongs to the CURCULIONIDAE-BARIDINAE and is usually known by the name *Eurhinus* Schönherr. It comprises some 23 species (P. Vaurie, pers. comm.) which are widely distributed in Central and South America. Several species are notable for their brilliant metallic colours. The larvae produce galls on the stems of Vitaceae (*Cissus spp.*) (Bondar, 1948, p. 21; Costa Lima, 1956, p. 231). The other genus is generally regarded as belonging to the APIONIDAE and was, until recently, known by the name *Eurhynchus* Schönherr. It comprises some ten Australian species whose habits are mostly unknown, though one species has been reported tunnelling in the stem of *Persoonia lanceolata* (Proteaceae) (Froggatt, 1895, p. 328). Neither *Eurhinus* Schönherr nor *Eurhynchus* Schönherr is the original name for the genus concerned.

2. The earliest name for the barid genus is *Eurhin* Illiger, 1807; that for the apionid genus is *Eurhinus* Kirby, 1819. Germar, 1824, p. 216, used *Eurhinus* as an alternative form of *Eurhin* and pointed out that the former name had already been used by Kirby. Schönherr, 1825, p. 586, apparently unaware of the works of Kirby and Germar, created absolute homonymy by emending Illiger's name to *Eurhinus*. Several attempts to remove this homonymy have been made.

- (a) Latreille, 1825, p. 395, proposed 'Macrorhine' as a replacement name for 'eurin Germ.' (having cited 'Eurhine' [Kirby] on p. 388). This vernacular name is not available but Berthold, in a German edition of Latreille, 1825 (1827, p. 390) gave '*Macrorhinus* (*Eurin* oder *Eurhinus*, Germ.)'. This name is available as a replacement name for *Eurhinus* Schönherr. It is cited as a synonym of the latter by Schönherr, 1836, p. 812; Guérin-Méneville, 1857, p. 209; Lacordaire, 1866, p. 221, note 1; Gemminger & Harold,

1871, p. 2619; Casey, 1922, p. 417; Hustache, 1938, p. 25; and Blackwelder, 1947, p. 891, all of whom attribute the name to Latreille, not Berthold. This name was probably not adopted because *Eurhynchus* Schönherr, 1833 (see (d) below) made it unnecessary.

- (b) Kirby, in Kirby & Spence, 1828, p. 324, proposed *Eurhynchus* expressly as a replacement name for *Eurhinus* Kirby, nec *Eurhin* Illiger. This name is buried in the text and was long overlooked (see (e) below).
- (c) Latreille, in Cuvier, 1829, p. 86, proposed *Camptorhynchus* as a further replacement name for *Eurhinus* Schönherr nec Kirby and it is used as the valid name in subsequent editions of *Règne animal*. This name is available as a replacement name (*Camptorhynchus* Fischer de Waldheim, 1808 is a *nomen nudum*) but is a senior homonym of *Camptorhynchus* Bonaparte, 1838 (Aves).
- (d) Schönherr, 1833, pp. 5, 247, proposed *Eurhynchus* expressly as a replacement name for *Eurhinus* Kirby nec Illiger. This name was accepted and remained in use until 1952. Unfortunately, however, it is a junior homonym both of a Latreille avian name (1825, p. 76), which was made available by Berthold, 1827, p. 74 (cf. (a) above), and of *Eurhynchus* Kirby, 1828 ((b) above). However, since *Eurhinus* Kirby would not now be regarded as a homonym of *Eurhin* Illiger, the former does not need to be replaced.
- (e) Marshall, 1952, p. 268, observed that '*Eurhinus* Kirby' is valid because *Eurhynchus* Kirby is a junior homonym and was, in any case, proposed 'without any justification'. Presumably he meant by this that *Eurhinus* Kirby is not homonymous with *Eurhin* Illiger (as stated by Kirby) and so the latter is the valid name for the barid genus. There is, however, no evidence, published or otherwise, to confirm this. On the contrary, whereas Marshall annotated his working copy of the Junk catalogue to show the validity of *Eurhinus* Kirby (Wagner, 1910, p. 3), he did not so annotate the entry for *Eurhin* Illiger (Hustache, 1938, p. 25) and specimens of the latter which he received in May 1953 were determined as '*Eurhinus festivus* F.' and '*Eurhinus* sp.' (CIE list No. 909 (America), issued 19th May 1955). Although *Eurhinus* Marshall is available as a replacement name for *Eurhinus* Kirby, it is clear that Marshall did not intend it as such; he invariably used the -rrh- spelling in preference to -rh- in compound names.

3. Family-group names were proposed by Lacordaire: *Eurhynchides* (1863, pp. 380, 527) and *Eurhinides* (1866, pp. 217, 220). These names, suitably emended, remained in use for a hundred years, although

both are invalid under Art. 39 of the present Code (their type-genera are junior homonyms). Then Kissinger, in a synoptic work on world APIONIDAE, followed Marshall in using *Eurhinus* Kirby as the valid name of the apionid genus and proposed EURHININI as a new family-group name, correctly based on *Eurhinus* Kirby (Kissinger, 1968, p. 10). He, in turn, was followed by Morimoto, 1976, p. 469. Unfortunately, EURHININI Kissinger is a junior homonym of EURHININI Lacordaire, so there is at present no valid name for either family-group taxon.

The situation, and the proposals for its solution which follow, can best be appreciated by reference to Table I.

Table I. Names involved in the *Eurhinus* problem. Names in use before 1968 in bold type; other available names in ordinary type; unavailable names in italics.

CURCULIONIDAE	APIONIDAE
Eurhin Illiger, 1807	<i>Eurhinus</i> Kirby, 1819
² <i>Eurhinus</i> Germar, 1824	¹ <i>Eurhynus</i> Kirby, 1819
Eurhinus Schönherr, 1825	[<i>Eurhynchus</i> Berthold, 1827 (Aves)]
Macrorhinus Berthold, 1827	<i>Eurhynchus</i> Kirby, 1828
Camptorhynchus Latreille, 1829	Eurhynchus Schönherr, 1833
	EURHYNCHIDES Lacordaire, 1863
EURHINIDES Lacordaire, 1866	² <i>EURYNCHIDES</i> Lea, 1909
	<i>Eurhinus</i> Marshall, 1952
	EURHININI Kissinger, 1968

¹Incorrect original spelling

²Incorrect subsequent spelling

4. Under the provisions of the present Code, *Eurhinus* Kirby is clearly the valid name for the apionid genus and the long-disused, unlatinised *Eurhin* Illiger is valid for the barid genus. For the family-group taxa, entirely new, non-homonymous names would be needed. These could be based upon the valid generic names by artificially changing their stems, or upon names chosen from among the various available replacement names and other synonyms. These changes would destroy the stability of nomenclature which existed from 1866 to 1952 and the transfer of *Eurhinus*, as the valid name, from one group of weevils to another would inevitably cause confusion. These many and undesirable changes can be avoided, stability of nomenclature restored, and homonymy removed, by (1) ruling that Schönherr's emendation of *Eurhin* to *Eurhinus* is justified, so the name then dates from 1807 with Illiger as

author and becomes a senior homonym of *Eurhinus* Kirby, and (2) suppressing *Eurhynchus* Berthold, thus validating *Eurhynchus* Kirby, a now necessary replacement name for *Eurhinus* Kirby nec Illiger. Lacordaire's family-group names are also thereby validated, being now based on valid generic names. *Eurhynchus* Berthold is a junior objective synonym of *Probosciger* Kuhl (Aves, Psittacidae) and has not been used as a senior synonym since its original publication (D. W. Snow, pers. comm.).

5. Other generic names derived from the same Greek root are:

- (a) *Eurina* Meigen, 1830, p. 3, a valid name in Insecta (Diptera, CHLOROPIDAE);
- (b) *Eurhina* Fitzinger, 1843, p. 32, proposed as a subgenus of *Bufo* L. and not subsequently used as a senior synonym (E. N. Arnold, pers. comm.);
- (c) *Eurhina* Agassiz, 1846, p. 150, an unjustified emendation of *Eurina* Meigen and junior homonym of *Eurhina* Fitzinger.

These generic names are not homonymous with those in the present case and no family-group names have been based upon them, but any that are so based will compete in homonymy with EURHININI Lacordaire, 1866.

6. In order to implement the proposals made in paragraph (4) above, the International Commission on Zoological Nomenclature is requested:

- (1) to use its plenary powers:
 - (a) to rule that *Eurhinus* Schönherr, 1825 is a justified emendation of *Eurhin* Illiger, 1807;
 - (b) to suppress the generic name *Eurhynchus* Berthold, 1827 for the purposes of both the Law of Priority and the Law of Homonymy;
- (2) to place the following generic names on the Official List of Generic Names in Zoology:
 - (a) *Eurhinus* Illiger, 1807 (gender: masculine), type species, by monotypy, *Eurhin cupratus* Illiger, 1807 (as emended by Schönherr, 1825 and ruled under the plenary powers in (1) above to be a justified emendation);
 - (b) *Eurhynchus* Kirby, in Kirby & Spence, 1828 (gender: masculine), type species, by subsequent designation by Schönherr, 1833, *Eurhinus scabrior* Kirby, 1819;
- (3) to place the following specific names on the Official List of Specific Names in Zoology:
 - (a) *cupratus* Illiger, 1807, as published in the binomen *Eurhin cupratus* (specific name of type species of *Eurhinus* Illiger, 1807);
 - (b) *scabrior* Kirby, 1819, as published in the binomen *Eurhinus scabrior* (specific name of type species of *Eurhynchus* Kirby, in Kirby & Spence, 1828);
- (4) to place the following family-group names on the Official

List of Family-Group Names in Zoology:

- (a) EURHYNCHINAE (correction of EURHYNCHIDES) Lacordaire, 1863 (type genus *Eurhynchus* Kirby, in Kirby & Stephen, 1828);
- (b) EURHININI (correction of EURHINIDES) Lacordaire, 1866 (type genus *Eurhinus* Illiger, 1807);
- (5) to place the generic name *Eurhynchus* Berthold, 1827 (as suppressed under the plenary powers in (1) (b) above) on the Official Index of Rejected and Invalid Generic Names in Zoology.

In addition to those persons whose assistance is acknowledged in the text, I wish to thank Dr R. B. Madge (*Commonwealth Institute of Entomology, London*) for his help in resolving this problem and the Director and staff of the CIE for granting me access to their archives.

This application is supported by Dr G. Kuschel (*Department of Scientific and Industrial Research, Auckland, New Zealand*), Dr D. R. Whitehead (*Systematic Entomology Laboratory, United States Department of Agriculture, Washington, DC*), Professor C. W. O'Brien (*Florida A & M University, Tallahassee, Fla., U.S.A.*) and by Dr D. G. Kissinger (*Loma Linda University, California, U.S.A.*). Shortly before her death in March, 1982, Mrs P. Vaurie submitted for publication a revision of the barid genus for which the name *Eurhinus* Illiger is here requested. In this revision she uses *Eurhin* Illiger as the valid name, having been correctly advised to do so by several other specialists, including (at first) the author of the present application. It is known, however, (P. Vaurie, pers. comm.) that she would have preferred to use the name *Eurhinus* Illiger in anticipation of the success of this application.

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Zimmerman, Elwood C. 1983. "Family Group Names Based Upon Eurhin Eurhinus And Eurhynchus Coleoptera." *The Bulletin of zoological nomenclature* 40, 45–52.

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