

## Replacement name for *Eupithecia deserticola* (Lepidoptera: Geometridae: Eupitheciini)

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**Abstract**—The name *Eupithecia deserticola* McDunnough, 1946 is a junior secondary homonym of *Tephroclystia deserticola* Turati, 1934, now included in the genus *Eupithecia* Curtis. The replacement name *Eupithecia jamesi* Ferris and Mironov is proposed.

**Résumé**—Le nom *Eupithecia deserticola* McDunnough, 1946 est un homonyme secondaire plus récent de *Tephroclystia deserticola* Turati, 1934, inclus maintenant dans le genre *Eupithecia* Curtis. Le nouveau nom de substitution *Eupithecia jamesi* Ferris and Mironov est proposé.

Several homonyms occur in Scoble's (1999) list of *Eupithecia* species. According to Article 60 of the fourth edition of the *International Code of Zoological Nomenclature* (International Commission on Zoological Nomenclature 1999), many of these junior primary and secondary homonyms require replacement names. In this article we propose a new name to replace the species name *Eupithecia deserticola* McDunnough, 1946.

The species *Tephroclystia deserticola* was described by Turati (1934) based on a single specimen from North Africa (Libya). A second species, also based on a single specimen, with the name *Eupithecia deserticola* was subsequently described by McDunnough (1946) from California, United States. The male holotype is in the Canadian National Collection, Ottawa, Ontario, Canada. The type locality is Borego Valley, S[an] Diego Co., Calif[ornia], [United States].

The genus name *Tephroclystia* Hübner, (1825) is a junior synonym of *Eupithecia* Curtis, 1825. The species *deserticola* was treated by Prout (1915) as a greyish form of *Eupithecia tenellata* Dietze, 1906. Scoble (1999) initially proposed the synonymy between *Eupithecia tenellata* and *Tephroclystia deserticola*. Subsequently the holotype of

*Eupithecia* (= *Tephroclystia*) *deserticola* Turati was examined and photographed by V.G. Mironov to confirm Scoble's action. Both authors have examined photographs of the holotype of *Eupithecia deserticola* McDunnough. The species name *deserticola* Turati is an available name according to the Code.

*Eupithecia tenellata* Dietze, 1906, *Deutsche Entomologische Zeitschrift Iris* 19(2): pl. 2, Figs. 5, 6; *ibidem* (1908) 21(2): 165 (*Eup[ithecia]*). Syntypes 3 + (MNHU, Berlin), Tunis[ia]: Gafsa.

=*gelinaria* (Lucas, 1907), *Annales de la Société Entomologique de France* 76(3): 359, pl. 2, Fig. 1, (*Tephroclystia*). Holotype + (coll. Herbulot in ZSM, Munich), [Tunisia]: Nefta.

=*deserticola* Turati, 1934, *Atti della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano*. 73(1–2): 174, pl. 3, Fig. 13, (*Tephroclystia*). Holotype (BMNH, London), [Libya]: Cyrenaica, Maaten Giofer.

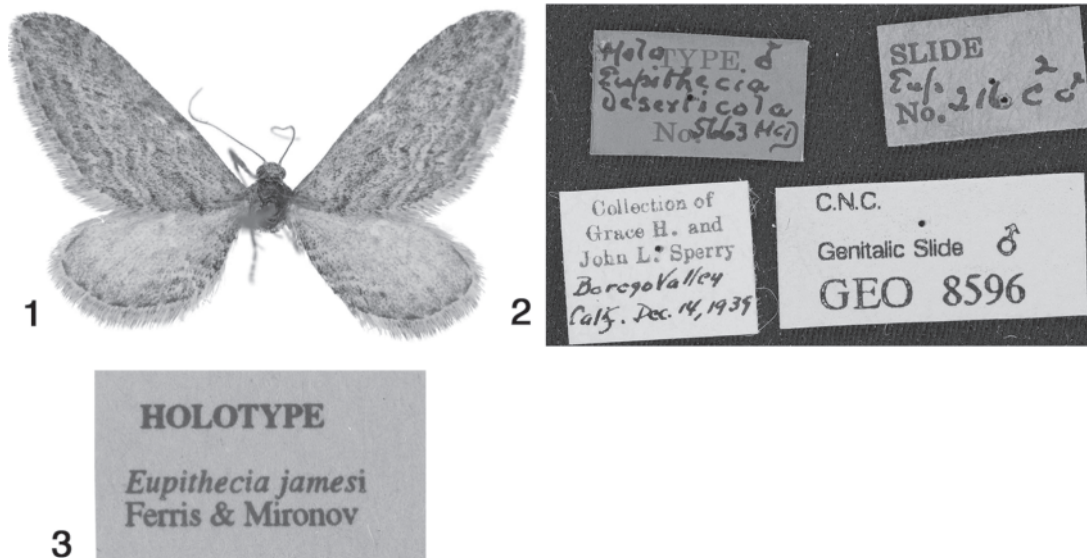
=*tenellata perspicuata* Schütze, 1961, [new synonym] *Entomologische Zeitschrift, Frankfurt* 71(6): 62, Figs 1, 1a, 1b, 2, (*Eupithecia*). Holotype male (ZSM, Munich), Arabia centr[al] [Saudi Arabia]: El Riad.

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**Figs. 1–3.** *Eupithecia deserticola* McDunnough: 1, holotype male; 2, pin labels. 3, *Eupithecia jamesi* Ferris and Mironov, replacement holotype label.



Since the name *Eupithecia deserticola* McDunnough is a junior secondary homonym of *Tephroclystia deserticola* Turati, under the Code a replacement name is required. To replace the name *Eupithecia deserticola* McDunnough, we propose the name *Eupithecia jamesi* Ferris and Mironov to honor Dr. James Halliday McDunnough (1877–1962), linguist, musician, entomological taxonomist, and builder of insect collections. The name *Eupithecia macdunnoughi* Rindge, 1952 is preoccupied.

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