

Lectotypification and neotypification of some names in British *Hieracium* section *Foliosa* (Asteraceae)

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Abstract

Types are designated for 11 names in *Hieracium* section *Foliosa* (Fr.) Arv.-Touv. (Asteraceae). Lectotypes are designated for *Hieracium aestivum* subsp. *subumbellatiforme* Zahn, *Hieracium corymbosum* Fr. var. *pycnotrichum* W. R. Linton, *Hieracium crocatum* Fr. var. *maritimum* F. Hanb., *Hieracium latobrigorum* forma *angustifolium* Pugsley, *Hieracium obesifolium* Pugsley, *Hieracium pseudamplidentatum* var. *stenophyllum* Pugsley, *Hieracium rigidum* var. *tavense* Ley, *Hieracium strictum* var. *amplidentatum* F. Hanb. and *Hieracium strictum* var. *subcrocatum* E. F. Linton. Neotypes are designated for *Hieracium inuloides* subsp. *strictiforme* Zahn and *Hieracium neocorymbosum* var. *crocatiforme* Pugsley.

Introduction

As part of a revision of British *Hieracium* section *Foliosa* (Fr.) Arv.-Touv., I have lectotypified eight names to help fix usage. The types have been selected from material cited in the original descriptions, often with annotations by the original author. Where no original material has been traced but there is a chance that original material may yet come to light, I have neotypified two names. The taxonomy follows Sell & Murrell (2006).

Typifications

***Hieracium corymbosum* Fr. var. *pycnotrichum* W. R. Linton**, in Linton, E. F., *An account of British Hieracia* 88 (1905). Lectotype (designated here): Gayle Beck, near Hawes, North Yorkshire, September 1888, J. Percival (**BM** barcode no. BM001003240; isolectotype **RNG**). When W. R. Linton described var. *pycnotrichum*, he cited the authority as Dahlstedt taken from Set 4 no. 90 of Dahlstedt's Scandinavian *Hieracium* species, some of which material it resembled closely. As Dahlstedt's Set and name lacked a description, the name was not validly published, so Linton's short description is the basis of the name as used by Roffey. Linton cited two localities after his description, Bishop Auckland and Hawes. After reviewing the material from these two localities I have concluded they belong to two different species and furthermore the Bishop Auckland material may belong to section *Sabauda* or section *Tridentata* rather than section *Foliosa*. Linton's short description has been checked to which material it most closely applies. The only clear point of difference between the material and the description is that Linton states the panicle

is close with short peduncles, which fits the material from Hawes better than material from Bishop Auckland (the latter having a large inflorescence and long peduncles); the Hawes material is thus selected as the lectotype. This is the basionym of *H. pycnotrichum* (W. R. Linton) Roffey.

***Hieracium corymbosum* var. *umbellatiforme* W. R. Linton**, in Linton, E. F., *An account of British Hieracia* 88 (1905). Lectotype (designated here): Linn of Campsie, Perth, 6 August 1891, W. R. Linton (**LIV** no. 1974.88.27715, isolectotype **LIV** no. 1974.88.27716). Linton only cited material from Linn of Campsie, Perth so the material has been selected as the larger of the two specimens in his herbarium. Pugsley (1948) regarded this Linn of Campsie material as ambiguous but it is fairly typical *H. subumbellatiforme* as currently understood.

Zahn (1921-1923) cited Linton's name as the basis of his *Hieracium aestivum* subsp. *subumbellatiforme* Zahn in Engler, A. *Das Pflanzenreich* 77 (IV, 280): 919 (1922) though he incorrectly cited it at species rank rather than varietal rank. In turn, *H. aestivum* subsp. *subumbellatiforme* Zahn is the basionym of *Hieracium subumbellatiforme* (Zahn) Roffey, the current name for this taxon.

***Hieracium crocatum* Fr. var. *maritimum* F. Hanb.**, in *Journal of Botany* 27: 76 (1889). Lectotype (designated here): Sandy cliffs, facing north, Melvich, Sutherland, 22 July 1887, F. J. Hanbury (**BM** barcode no. BM001194230; isolectotype **BM** barcode no. BM001003239). The lectotype was selected as the specimen labelled as drawn by Mrs M. J. S. Hanbury for Hanbury's (1889-1898) monograph. This is the basionym of *Hieracium maritimum* (F. Hanb.) F. Hanb.

***Hieracium inuloides* subsp. *strictiforme* Zahn**, in Engler, A. *Das Pflanzenreich* 77 (IV, 280): 906. Leipzig (1922). Neotype (designated here): Inverey, Braemar, S. Aberdeen, 25 July 1889, W. R. Linton, Set of British Hieracia no. 73 (**BM** barcode no. BM001194231). A neotype is required as the material seen by Zahn was destroyed in the herbarium at Botanischer Garten und Botanisches Museum Berlin-Dahlem (**B**) in 1943 during World War 2 (Stafleu & Cowan, 1988) and I have as yet been unable to trace any other material seen by Zahn. There are probably isoneotypes of this Set in many collections but as Sell (1987) noted that not all of the Linton's sets were uniform these should be checked. This is the basionym of *Hieracium strictiforme* (Zahn) Roffey.

***Hieracium latobrigorum* forma *angustifolium* Pugsley**, in *Journal of the Linnean Society of London (Botany)* 54: 273 (1948). Lectotype (designated here): Craggs by the Bagaisteach Burn [now River Vagastie], Altnaharra, Sutherland, 28 July 1887, F. J. Hanbury (**BM** barcode no. BM001068946). Pugsley did not indicate a type and there are five original sheets from which the lectotype has been selected as the specimen with two identical plants. This is a synonym of *Hieracium latobrigorum* (Zahn) Roffey (Sell & Murrell, 2006).

***Hieracium neocorymbosum* var. *crocatiforme* Pugsley**, in *Journal of the Linnean Society of London (Botany)* 54: 276 (1948). Neotype (designated here): cliffs of Uamascleit, August 1941, J. W. Heslop Harrison (**HAMU**). Pugsley (1948)

cited the holotype for his new variety as follows: "W. A. Clark, Scotasay, 1941 (type); J. W. Heslop Harrison, Uamascleit, 1941; both in Hb. Heslop Harrison". J. W. Heslop Harrison's herbarium was held at Newcastle University (**NCE**) which has now been transferred to the Hancock Museum (**HAMU**). John Richards has kindly searched through **HAMU** but was unable to find Clark's specimen, which may have been destroyed by Clark himself. As Pugsley also cited Heslop Harrison's Uamascleit collection which is extant in **HAMU**, this is designated as a neotype in case the original holotype is refound. The label on the neotype bears Pugsley's handwritten note "*H. neocorymbosum* m. v. *crocatiforme* m." There is a specimen labelled "Isle of Scotasay, Outer Hebrides, July 1941, J. W. Heslop Harrison" in herb. Pugsley (**BM**) which is not Clark's specimen. This is a synonym of *Hieracium subcrocatum* (E. F. Linton) Roffey (Sell & Murrell, 2006).

***Hieracium obesifolium* Pugsley**, in *Journal of the Linnean Society of London (Botany)* **54**: 290 (1948); a lectotype selected by P. D. Sell & C. West in 1958 but was unpublished and is hereby designated on their behalf: Holm in Burga Water, near Walls, Shetland, 13 August [1902] 1892, W. H. Beeby no. 1634 (**SLBI**; isolectotypes **SLBI**, **BM** barcode no. BM001144074). This is a synonym of *Hieracium maritimum* (F. Hanb.) F. Hanb. (Sell & Murrell, 2006).

***Hieracium pseudamplidentatum* var. *stenophyllum* Pugsley**, in *Journal of the Linnean Society of London (Botany)* **54**: 285 (1948). Lectotype (designated here): By the Spean, near Roy Bridge, West Inverness, 28 July 1896, E. S. Marshall & W. A. Shoolbred; Linton Set of British *Hieracia* no. 122 as *H. corymbosum* var. *salicifolium* (**BM** barcode no. BM001068851). There are three original sheets, unusually none of which are annotated as the type by Pugsley; the lectotype is the sheet selected as the one not bearing a label *H. strictum* var. *angustum*. There are also three sheets in herb. Hanbury which were annotated by Pugsley but which do not have the Set label. This is a synonym of *Hieracium subumbellatiforme* (Zahn) Roffey (Sell & Murrell, 2006).

***Hieracium rigidum* var. *tavense* Ley**, in W. R. Linton, *An account of British Hieracia*, 83 (1905). Lectotype (designated here): Origin Upper Tawe, Breconshire, garden, 30 July 1902 (**CGE**). This sheet is annotated by A. Ley with his original Latin description. This is the basionym for *Hieracium tavense* (Ley) Ley.

***Hieracium strictum* var. *amplidentatum* F. Hanb.**, in *Journal of Botany* **32**: 232 (1894). Lectotype (designated here): River Lyon near its mouth, Breadalbane, 9 August 1890, F. B. White (**BM** barcode no. BM00052167). This is a synonym of *Hieracium subumbellatiforme* (Zahn) Roffey (Sell & Murrell, 2006).

***Hieracium strictum* var. *subcrocatum* E. F. Linton**, in *Journal of Botany* **31**: 200 (1893). Lectotype (designated here): Grey Mare's Tail, Dumfries, 31 July 1889, E. F. Linton, annotated 'These I have been calling *H. strictum* Fr. var. *subcrocatum*, as they appear to be between *H. strictum* and *H. crocatum* Fr.' (**BM** barcode no. BM00052201). The lectotype has been selected from the range of syntypes at **BM** as

the sheet clearly annotated by Linton with his new name. This is the basionym of *Hieracium subcrocatum* (E. F. Linton) Roffey.

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