

Euro+Med Notulae, 3

Authors: Greuter, Werner, and Raab-Straube, Eckhard Von

Source: Willdenowia, 37(1) : 139-189

Published By: Botanic Garden and Botanical Museum Berlin (BGBM)

URL: <https://doi.org/10.3372/wi.37.37107>

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at www.bioone.org/terms-of-use.

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

Notulae ad floram euro-mediterraneam pertinentes No. 25

WERNER GREUTER & ECKHARD VON RAAB-STRAUBE (ed.)

Euro+Med Notulae, 3**Abstract**

Greuter, W. & Raab-Straube, E. von (ed.): Euro+Med Notulae, 3 [Notulae ad floram euro-mediterraneam pertinentes 25]. – Willdenowia 37: 139-189. – ISSN 0511-9618; © 2007 BGBM Berlin-Dahlem.

doi:10.3372/wi.37.37107 (available via <http://dx.doi.org/>)

This is the third of a series of miscellaneous contributions, by various authors, where hitherto unpublished data relevant to the Euro+Med (or Sisyphus) Project are presented. It is entirely devoted to the *Compositae* family, including new country and area records for taxa of *Centaurea*, *Crepis*, *Dittrichia*, *Hieracium*, *Rudbeckia*, *Silybum* and *Taraxacum*, and the validation of names in the genera *Adenostyles*, *Andryala*, *Centaurea*, *Cichorium*, *Erigeron*, *Filago*, *Hieracium*, *Jacobaea*, *Picris*, *Rhodanthemum*, *Schlagintweitia*, *Senecio*, *Taraxacum* and *Tragopogon*. For *Hieracium* (s. str.), a novel, coherent classification policy on a Euro-Mediterranean scale is proposed, the implementation of which results in a substantial amount of nomenclatural changes.

Key words: Europe, Mediterranean area, *Compositae*, *Asteraceae*, taxonomy, nomenclature, distribution, *Hieracium*, classification principles.

Notice

A succinct description of the Euro+Med Project, with a list of recognised territories and their abbreviations, and the conventions used to indicate the status and presence of taxa, can be found in the introduction to the first instalment (in Willdenowia 35: 223-226. 2005; see also Willdenowia 36: 707. 2006). It is not repeated here.

The Notulae provide on one hand the opportunity to validate new scientific names and combinations that are required under the recommended taxonomic classification but do not yet exist. On the other hand, they permit to document distributional data that have not yet been published in print – both new records and the correction of old erroneous ones. The author of each entry is either named at its end or, in the case of uncommented new combinations, is acknowledged as the author of the combination.

The following have contributed entries to the present instalment: K. P. Buttler, E. Di Gristina, A. Dobignard, G. Gottschlich, W. Greuter, M. Kääntönen, V. Matevski, M. Niketić, B. Nordenstam, E. J. Nyárády†, H. Øllgaard, J. Räsänen, F. M. Raimondo, E. Reinikka, I. Ricci†, P. D. Sell, A. N. Sennikov, G. Wagenitz, and K. H. Zahn†. Relevant specimen data were kindly supplied by G. Gottschlich, D. Jeanmonod, H. Manitz, S. Pignatti and F. Schuhwerk, to whom we are grateful. We also thank J. McNeill for nomenclatural advice and assistance with bibliographic searches, I. Goia for providing photographs of CL specimens, and C. Dragulescu who, through H. Heltmann, provided information on Nyárády material at SIB.

Adenostyles alliariae subsp. *orientalis* (Boiss.) Greuter, **comb. & stat. nov.** ≡ *Adenostyles orientalis* Boiss., Fl. Orient. 3: 155. 1875.

Adenostyles alpina subsp. *nebrodensis* (Wagenitz & I. Müll.) Greuter, **comb. nov.** ≡ *Adenostyles hybrida* Guss., Fl. Sicul. Syn. 2: 449. 1844 ≡ *Adenostyles nebrodensis* Strobl in Flora 65: 196. 1882, nom. illeg. ≡ *Adenostyles glabra* subsp. *nebrodensis* Wagenitz & I. Müll. in Phyt. (Horn) 23: 149. 1983.

The combination *Adenostyles hybrida*, based on *Cacalia tomentosa* var. *hybrida* Vill., is usually attributed to Candolle (Prodr. 5: 204. 1836), but was not validly published there, being treated as provisional. By consequence, *A. hybrida* Guss. is not a later homonym but a legitimate name, with priority for our taxon when treated as a species; and *A. nebrodensis* Strobl, proposed as a substitute for *A. hybrida* Guss. [non “(Vill.) DC.”], in turn is illegitimate. At subspecies rank, however, the epithet *nebrodensis* takes precedence. W. Greuter

Andryala pinnatifida subsp. *antonii* (Maire) Dobignard, **comb. nov.** ≡ *Andryala antonii* Maire in Mém. Soc. Sci. Nat. Maroc 15: 47. 1926 ≡ *Andryala canariensis* subsp. *antonii* (Maire) Maire in Jahandiez & Maire, Cat. Pl. Maroc: 840. 1934.

Centaurea arenaria Willd.

– **Sr:** All published records for *Centaurea arenaria* for Serbia (e.g. by Hayek in Repert. Spec. Nov. Regni Veg. Beih. 30(2): 771. 1931) refer in fact to *C. borysthénica* Gruner. M. Niketić

Centaurea aspera subsp. *gentilii* (Braun-Blanq. & Maire) Dobignard, **comb. & stat. nov.** ≡ *Centaurea gentilii* Braun-Blanq. & Maire in Bull. Soc. Hist. Nat. Afrique N. 13: 18. 1922.

+ **Ca(C):** *Centaurea aspera* is known to occur on Gran Canaria (Hansen & Sunding in Sommerfeltia 17: 42. 1993). A Canarian specimen collected by Kunkel (G) belongs to subsp. *gentilii*, originally described from Morocco. A. Dobignard

Centaurea sicula L., Sp. Pl.: 918. 1753 [= *Centaurea nicaeensis* All., Fl. Pedem. 1: 162. 1785]. – Lectotype (designated here): illustration in Morison, Hist. Pl. Univ.: ser. 7, t. 28, f. 26. 1699. Epitype (designated here): Italy, Sicily, “In campis et collibus reg. inferioris, Palermo”, 6.1899, Ross, Herb. Sicul. No. 254 (GOET).

The name *Centaurea sicula* L. has long been considered obscure and controversial. However, matters were originally rather simple. In the Linnaean protologue of 1753, the validating diagnosis is taken unchanged from Sauvages (Meth. Fol.: 290. 1751), who in turn quotes “Jacea Sicula, Cichorii folio, fl. luteo, capite spinoso” of Boccone (Icon. Descr. Rar. Pl. Sicil.: 14. 1674). That very same phrase is quoted by Linnaeus in synonymy, not from its primary but from two secondary sources (Magnol, Bot. Monsp.: 138. 1676, and Morison, Pl. Hist. Univ. 3: 144, ser. 7, t. 28, f. 26. 1699). The Morison illustration is a (rather poor) copy of the figure in Boccone (l.c.: 15, t. 8, f. DII). Everything in the protologue points to Boccone as the principal if not only basis of the original *C. sicula*. The two specimens in Linnaeus’s herbarium (No. 1030.63 and .64, LINN), even though technically original material,

are not clearly connected with the protologue. The former is a plant grown in Linnaeus's garden in Uppsala (a short-spined form of *C. nicaeensis* All., or perhaps a hybrid involving that species). The latter (apparently a cultivated form of *C. solstitialis* L.) was originally part of the Clifford herbarium, and as Linnaeus's own Hortus Cliffortianus is not cited in the protologue it would hardly be a suitable type. We therefore select the Morison figure as the lectotype of the species name and underpin that choice by the designation of an epitype belonging to the species illustrated, better known today as *C. nicaeensis* All.

As is often the case, Linnaeus himself (Sp. Pl., ed. 2: 1298. 1763) subsequently changed the circumscription of the species. He did so by inserting in the phrase name the single word "decurrentibus", after "foliis", and adding a descriptive note that cannot apply to *Centaurea nicaeensis* but best fits *C. melitensis* L. Indeed Godron (in Grenier & Godron, Fl. France 2: 283. 1850), when excluding *C. sicula* from the French flora, noted that it had been mentioned from Montpellier by local botanists, Gouan in particular, "sans doute par confusion avec le *Centaurea melitensis*, qui y est commun". This is perhaps the single mention of *C. sicula* in any French Flora.

Subsequent usage was split. Lamarck (Encycl. 1: 674. 1785) interpreted *Centaurea sicula* in the sense of *C. nicaeensis*, followed by Tenore. Bertoloni (Fl. Ital. 9: 479. 1854) formally treated the *C. sicula* of these author as a synonym of *C. nicaeensis*, without taking sides with respect to the genuine *C. sicula* L. On the other hand, Candolle (Prodr. 6: 593. 1838) chose to recognise a plant collected in central Sicily (Monte Artesino near Calascibetta), collected by Duby, as corresponding to the genuine *C. sicula*, cited from the 1763 edition, and was followed by several Italian Floras (Gussone, Fl. Sicul. Syn. 2: 516. 1844; Cesati & al., Comp. Fl. Ital: 496. 1878; Lojacono, Fl. Sicul. 2(1): 146. 1903). Duby's plant is hardly even a variant of *C. solstitialis* subsp. *schouwii* (DC.) Gugler, which explains how Nyman (Consp. Fl. Eur.: 430. 1779) and Arcangeli (Comp. Fl. Ital: 395. 1882) came to use the combination *C. sicula* subsp. *schouwii* (DC.) Nyman while treating *C. solstitialis* and *C. nicaeensis* as specifically distinct.

Since 1903 (Lojacono) the name *Centaurea sicula* has not to our knowledge been used in any sense except as a synonym. Mainly for this reason, and also because the name *C. nicaeensis* is blatantly inappropriate for a plant whose ephemeral alien appearance near Nizza is long forgotten (few of the major French Floras as much as mention the name), we did not follow up on our original thought of trying to save it. We share the feelings of Briquet (Monogr. Centaurées Alpes Marit.: 176. 1902) who, still operating under the old Candollean Laws, rejected the name *C. nicaeensis* as inappropriate and adopted the younger synonym *C. fuscata* Desf. (Fl. Atlant. 2: 302. 1799) in its stead.

G. Wagenitz & W. Greuter

Centaurea sicula subsp. *kroumirensis* (Coss.) Dobignard, **comb. & stat. nov.** ≡ *Centaurea kroumirensis* Coss in Compt. Rend. Hebd. Séances Acad. Sci. 98: 468. 1884 ≡ *Centaurea nicaeensis* var. *kroumirensis* Batt. in Battandier & Trabut, Fl. Algérie, Dicot.: 500. 1889.

Centaurea wettsteinii Degen & Dörfel.

– **Mk, + Gr:** Degen & Dörfel (in Denkschr. Kaiserl. Akad. Wiss., Math.-Naturwiss. Kl. 64: 726. 1897) described this species from "Severno", which they placed in central Macedonia. No such place can be found on any map available to us, but later sources (Dostál in Tutin & al., Fl. Europ. 4: 270. 1976) unhesitatingly consider the species as endemic to "S. Jugoslavia: Makedonija". It also appears on a list of threatened plant species of the FYR Makedonija, in an electronic document "Country study for biodiversity of the Republic of Macedonia (first national report)" (<http://www.biodiv.org/doc/world/mk/mk-nr-01-en.pdf>). However, as V. Matevski (Skopje) has

kindly confirmed, he and his fellow botanists have been unable to find the species anywhere in their country. The only subsequent collection of *Centaurea wettsteinii* appears to be the following (identification by G. Wagenitz): Greece, W. Macedonia, eparchy of Almopia, “in latere boreo-occidentali montis Pinovo (Kožuf), alt. 1500 m. In fissuris et scansilibus rupium calcarearum praeruptarum umbrosarum” 20.8.1976, *Greuter 14647*. This find, seemingly the first Greek record of the species, made it advisable to reconsider the question of the correct location of Dörfler’s locus classicus.

In their botanical account of Dörfler’s 1893 expedition to Albania and Macedonia, Degen & Dörfler (l.c.: 702) give a succinct relation on Dörfler’s itinerary. “Alchar” [appearing on old maps as Alchar, south of Rožden and immediately north of the present Greek border] served as Dörfler’s basis. From there he twice visited Mt “Kossuf” [Kožuf, or in Greek, Pínovo] to the east, close to the village “Zborsko” [which I have earlier (Greuter in Candollea 29: 138. 1974) tentatively identified with the now ruined Greek village Pefkotó]. The first of these tours was extended to the “plain of Severno”. This neatly places the mysterious village Severno. There is only one plain in the area, far and wide: that of Ardéa; and halfway between Pefkotó (Zborsko) and Ardéa lies the village Vorinó (Boreinón). It cannot possibly be a coincidence that the Slavic word severno (северно) and Greek voreinón (βορεινόν) have exactly the same meaning: northern. The conclusion is that *Centaurea wettsteinii* has not so far been collected in the FYR Makedonija (where it might nevertheless exist), but is a local endemic of the southwestern slopes of Mt Pínovo in NW Greek Macedonia. W. Greuter

Cichorium intybus subsp. *spicatum* [I. Ricci in Ann. Bot. (Roma) 28: 219. 1966, sine typo, ex] I. Ricci, **subsp. nov.** – Holotype: Italy, Latium, “locus classicus Ponte Galeria (Roma)”, s.d., herb. Ricci, sheet No. 3 (RO; isotypes: sheets No. 1-2 & 4-9, RO). – Latin description by I. Ricci in Ann. Bot. (Roma) 28: 219. 1966. Thanks are due to Sandro Pignatti, Roma, who traced Ricci’s type gathering and numbered its sheets.

Crepis zacintha (L.) Loisel.

– **Ge:** The report of this taxon for Germany according to Sell (in Tutin & al., Fl. Europ. 4: 355. 1976) is apparently an error. No other published record for Germany exists, not even as a casual alien. K. P. Buttler

Dittrichia viscosa (L.) Greuter

+ **Mk:** Negotino: Krivolak - Solena Reka, 41°34'19"N, 22°05'47"E, 165 m, leg. et det. V. Matevski, A. Čarni & M. Kostadinovski (SKO). – Until now, this species was only recorded for Macedonia by Hayek (in Repert. Spec. Nov. Regni Veg. Beih. 30(2): 607. 1931). As it is well known that Hayek used the geographic name of Macedonia for a much wider area than today’s state borders of the Republic of Macedonia, and as there are no other data in the floristic literature before 1931 that refer to localities within the present borders of the Republic of Macedonia, this is the first confirmed record of this species for this area. V. Matevski

Erigeron daveauanus (Sennen) Greuter, **comb. nov.** ≡ *Conyza daveauana* Sennen in Bol. Soc. Aragonesa Ci. Nat. 11: 194. 1912.

Filago carpetana subsp. *maroccana* (Braun-Blanq. & Maire) Dobignard, **comb. & stat. nov.** ≡ *Evax pygmaea* var. *maroccana* Braun-Blanq. & Maire in Bull. Soc. Hist. Nat. Afrique N. 16: 35. 1925.

Filago mauritanica (Pomel) Dobignard, **comb. nov.** ≡ *Pseudevax mauritanica* Pomel in Bull. Soc. Bot. France 35: 335. 1888 ≡ *Evax mauritanica* (Pomel) Batt. in Battandier & Trabut, Fl. Algérie, Dicot.: 438. 1889.

***Hieracium* L. (excluding *Pilosella* Vaill.)**

The treatment of *Hieracium* for the purposes of Euro+Med poses problems that are almost impossible to resolve. Taxonomy in itself is a nightmare, and achieving a synthesis on a Euro-Mediterranean scale is further hampered by the existence of competing, irreconcilable schools of thought regarding the basic principles of classification. There are two main ideologies: One is following the Zahn tradition, according to which the (axiomatic) main species and (postulated) hybridogenous intermediate species derived from them are subdivided into often numerous subspecies corresponding to their (usually apomictic and “true-breeding”) variants; and the “Nordic school”, by which each distinguishable apomictic strain is treated as a species, and only a small number of sections are recognised between genus and species. The latter approach is perhaps more defensible from a phylogenetic point of view, but has the major drawback of being inapplicable, according to the present state of knowledge, in large areas where the major diversity of morphotypes is encountered. Yet it is unrealistic to expect that any of the Nordic hawkweed specialists might be convinced to revert to a classification based on Zahn’s principles. The “Flora europaea” treatment (Sell & West in Tutin & al., Fl. Eur. 4: 358-410. 1976) has attempted a synthesis by grouping segregate species of the “Nordic” type into species groups more or less equivalent to Zahn’s species concept; but it only covers a small proportion of the taxa and names involved and has not been followed in subsequent publications by Nordic authors.

Applying one or the other of the competing schemes (or their variants) on a Euro-Mediterranean scale would be utterly disruptive nomenclaturally – yet useless from the point of view of specialists of the other creed(s). Rather than abandoning any thought of coherence and consistency and just list uncritically what is found in regional literature – an exercise of little merit and scant practical value – I have devised the following approach (which even if it eventually may satisfy no one should at least not repel specialists from using and trying to improve on it). For those hawkweeds found in N and E Europe (notably Britain, Scandinavia, the Baltic countries and European Russia), the nordic system as modified by “Flora europaea” is being followed (even though assigning the “segregate species” to their appropriate species group has sometimes had to be made on a best-guess basis). For the remaining territories (principally W and Central Europe, the Balkans, Africa and SW Asia including Caucasia) I adopted Zahn’s approach. The Carpathian range, where floristic affinities are mainly to the south and west but taxonomic tradition has espoused the northern style, was assimilated to one or the other domain depending on the main affinity of the group concerned. Whenever known, the correct species names for taxa treated as subspecies, or subspecies names for binominally named taxa, have been included in synonymy.

Even though this approach is less disruptive nomenclaturally than a unitary view would have been, it still requires an appalling number of new combinations – a fact of which I am thoroughly unhappy. The main reason is that, under Zahn’s classification, each change of name of the species entails several or many recombinations at subspecies rank. Zahn is well known for having applied the rules of botanical nomenclature in his own idiosyncratic way. Mending his treatments to make hawkweed nomenclature conform with the international rules has been undertaken by many, but only for individual taxa or groups and on a geographically patchy basis. The following series of validations (to which several others have accepted to contribute) cannot be expected to be complete or flawless, but is the minimum required to implement the treatment that is being proposed.

My basic choice has been influenced by inspiring and helpful discussions with many specialists, none of whom fully endorses it but who may hopefully feel able to

live with it. While stressing that the responsibility (including the blame for any faults and omissions) is mine alone, I want to thank most particularly G. Gottschlich, G. Mateo Sanz, A. Sennikov and T. Tyler for their friendly attitude and co-operation.

W. Greuter

Hieracium adlerzii F. Hanb. in J. Bot. 32: 229. 1894. – Lectotype (designated here): Dahlstedt, Hieracia Exsiccata, fasc. 2: No. 85 (BM).

Q Br: The epithet *adlerzii*, ascribed to Almqvist, has been used repeatedly in Dahlstedt's hawkweeds exsiccata, starting in 1889 (Hierac. Exsicc., fasc. 2: No. 85, as *Hieracium murorum* subsp. *adlerzii*), next in 1892 (Herb. Hierac. Scand., Centuria 2: No. 93, as *H. adlerzii*), etc., but in no case was a description provided. Validation of the name *H. adlerzii* is usually credited to Dahlstedt (in Bih. Kongl. Svenska Vetensk.-Akad. Handl. 28(3, 7): 69. 1902), but was effected earlier by Hanbury (l.c.).

Hanbury provides a short English diagnosis to set off "*H. adlerzii* Almq." against "*H. vulgatum*", referring specifically to a plant "found by Mr. J. E. Griffith on the banks of the Menai Straits, in July, 1891". This at first sight is the single cited (syntype) material. If it were the obligate lectotype there would be a problem. It is by no means certain that the British and Scandinavian plants are the same taxon. Indeed Sell (in Sell & Murrell, Fl. Great Britain & Ireland 4: 356. 2006), referring to British material, treats *H. adlerzii* as a plain synonym of *H. triviale* (Norrl.) Norrl. It is therefore doubtful at best whether the Scandinavian taxon known to Swedish botanists as *H. adlerzii* occurs in Britain.

To maintain traditional usage of the name *H. adlerzii* it is desirable to typify it by a Swedish specimen. Fortunately this is possible. In the August 1894 issue of the Journal of Botany in which his diagnosis appears, Hanbury refers to "A tentative list of British Hieracia", distributed with the July issue of the same journal. The relevant content of that list must thus be considered to form part of the protologue. For "*H. Adlerzii* Almq." the following source specimen, a second syntype, is cited for the name: "Dahlst. Hierac. Exsicc., Fas. ii., 85. 1889", which I here designate as lectotype.

W. Greuter

Hieracium amplexicaule subsp. *attracticaule* (Arv.-Touv.) Greuter, **comb. & stat. nov.** ≡ *Hieracium attracticaule* Arv.-Touv., Hier. Gall. Hisp. Cat.: 124. 1913.

Hieracium anglorum [Pugsley in J. Bot. 79: 197. 1942, sine diagn. lat., ex] P. D. Sell, **sp. nov.** – Holotype: "*Hieracium scanicum*, rocks by the Wye, Llangoed, Brecon", 26.6.1907, *Ley* (CGE). – Description: Herba perennis phyllopoda, caudice ramoso. Caulis 25-80 cm altus, pallide luteoviridis, ad basin interdum purpurascens, magis minusve robustus, striatus, in parte inferiore pilis simplicibus eglandulosis numerosis longis sinuosis pallidis, sursum paucioribus, in parte superiore pilis stellatis densis pilisque glanduliferis paucis brevibus obscuris vestitus. Folia in pagina superiore aliquantum pallide viridia, in inferiore pallidiora, raro rubritincta, plerumque subflaccida; folia basalia plerumque pauca, lamina 3-10 × 1.5-4.5 cm metiens, elliptica vel ovata vel oblongo-elliptica, raro subrotunda, ad apicem rotundata, obtusa vel acuta, dentata vel profunde inciso-dentata, dentibus saepe mammiformibus (interdum multo angustioribus et acutioribus), ad basin abrupte contracta vel cuneata, petiolis ad 5 cm longis, pilis simplicibus eglandulosis numerosis longis pallidis sinuosis vestitis; folia caulina 3-5(-9), infera elliptico-oblonga vel elliptica vel ovata, ad apicem acuta, dentata (saepe profunde dentata), dentibus longis angustis inaequalibus, ad basin abrupte contracta, plerumque petiolata, supera ovata vel lanceolata, ad apicem acuta, plerumque profunde laciniato-dentata, dentibus longis acutis, sessilia; omnia in paginis ambabus inque marginibus pilis simplicibus eglandulosis brevibus vel longis pallidis vestita. Synflorescentia capitulis 10-20(-40), paniculato-corymbosa; pedunculi graciles, erecti vel patentes, pilis stellatis densis, pilis glanduliferis numerosis brevibus obscuris pilisque simplicibus eglandulosis numerosis brevibus vel mediocribus pallidis sed ad basin obscuris vestiti. Capitula 25-30 mm diametro, ad ba-

sin rotundata. Involucri squamae ante anthesin incumbentes, 4-10 × 1-1.2 mm metientes, nigri-virides, interiores margine pallidiore, omnes lineari-lanceolatae, ad apicem acutum gradatim angustatae, pilis glanduliferis numerosis brevibus vel mediocribus (0.4-1 mm longis) tenuibus nigris et aliquando pilis simplicibus eglandulosis solitariis vestitae, sine pilis stellatis. Ligulae flavae, ad apicem glabrae. Styli obscuriusculi. Receptaculi alveoli margine breviter subulato. Cypselsae 2.5-3 mm longae, rubrinigrae. – P. D. Sell (Latin translation by Philip Oswald).

Pugsley's alleged basionym for *Hieracium anglorum*, *H. scanicum* var. *anglorum* Ley (in J. Bot. 47: 49. 1909), was proposed as a provisional name and thus was not validly published, in spite of the presence of descriptive matter (in English). Thanks are due to J. McNeill for examining and discussing the case, and for unsuccessfully searching the literature of the time for another possible place of valid publication.

W. Greuter

Hieracium apricorum subsp. *pseudolonganum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium austriacum* subsp. *pseudolonganum* Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 38. 1930.

Hieracium apricorum subsp. *sublaevigatum* (Beck) Greuter, **comb. nov.** ≡ *Hieracium dollineri* f. *sublaevigatum* Beck, Fl. Nieder-Österr.: 1294. 1893 ≡ *Hieracium austriacum* subsp. *sublaevigatum* (Beck) Zahn in Engler, Pflanzenr. 75: 58. 1921.

Hieracium armerioides subsp. *touvetii* (Nägeli & Peter) Greuter, **comb. nov.** ≡ *Hieracium cirritum* subsp. *touvetii* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 270. 1889.

Hieracium balbisianum subsp. *abbatiscellanum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium kernerii* subsp. *abbatiscellanum* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1838. 1901.

Hieracium balbisianum subsp. *kernerii* (Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium kernerii* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1837. 1901 ≡ *Hieracium kernerianum* Zahn in Dalla Torre & Sarnth., Fl. Tirol 6(3): 884. 1912, nom. illeg.

Hieracium balbisianum subsp. *kerneriforme* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium kernerii* subsp. *kerneriforme* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 311. 1905 ≡ *Hieracium kerneriforme* (Zahn) Prain, Index Kew., Suppl. 4: 114. 1913.

Hieracium balbisianum subsp. *kuemmerlei* (Degen & Zahn) Greuter, **comb. nov.** ≡ *Hieracium kernerii* subsp. *kuemmerlei* Degen & Zahn in Magyar Bot. Lapok 25: 367. 1927.

Hieracium bernardii subsp. *gallurense* (Arrigoni) Greuter, **comb. & stat. nov.** ≡ *Hieracium gallurense* Arrigoni in Boll. Soc. Sarda Sci. Nat. 24: 227. 1985.

Hieracium bernardii subsp. *templare* (Arrigoni) Greuter, **comb. & stat. nov.** ≡ *Hieracium templare* Arrigoni in Boll. Soc. Sarda Sci. Nat. 24: 253. 1985.

Hieracium bicolor subsp. *pogonatooides* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** ≡ *Hieracium pogonatooides* Arv.-Touv. & Gaut., Hieraciorth. 4: [in schedis] Gall. No. 196-197. 1898 ≡ *Hieracium bourgaei* subsp. *pogonatooides* (Arv.-Touv. & Gaut.) O. Bolòs & Vigo, Fl. Països Catal. 3: 1092. 1996.

Hieracium bifidum subsp. *hemilonchodes* [Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 666. 1935, descr. germ.] Zahn, **subsp. nov.** – Holotype: Liechtenstein, “Alpe Sücca”, 11.7.1929, Schack (B 100216195; isotype: B 100216196). – Description: “Folia, (ovato-)jelliptica vel oblongo-lanceolata, basi subrotundata vel ± angustata, margine denticulata vel ± breviter sed robuste vel (in inferioribus) angustius et profundius, rarius grosse dentata, sensim descrecentia; caulina 1-2(-3), oblongo-lanceolata vel (supremum) reductum, ± robuste vel longe et acute dentata vel serrata, superiora saepe nonnisi denticulata. Rami 1-3, acladium 2-4 cm longum, pedunculi modice vel paene glandulosi, aliquanto pilosi; capitula 2-5(-9). Involucrum 9-10.5 mm longum,

atrum, vix glandulosum, $\pm$ pilosum, aliquanto floccosum; squamae latiusculae, obtusiusculae vel acutae, margine $\pm$ floccosae. Stylus initio luteo-brunneum.” – H. Zahn.

Hieracium bifidum subsp. *kittaniae* (Vladimirov) Greuter **comb. & stat. nov.** $\equiv$ *Hieracium kittaniae* Vladimirov in Bot. J. Linn. Soc. 143: 214. 2003.

Hieracium bifidum subsp. *obscurisquamum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium psammogenes* var. *obscurisquamum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 440. 1906 $\equiv$ *Hieracium psammogenes* subsp. *obscurisquamum* (Zahn) Touton in Mitt. Bayer. Bot. Ges. 3: 324. 1916 $\equiv$ *Hieracium bifidum* subsp. *subcaesiiceps* Zahn in Engler, Pflanzenr. 76: 433. 1921, nom. illeg.

Hieracium bifidum subsp. *pseudopraecox* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium caesium* subsp. *pseudopraecox* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1793. 1901 $\equiv$ *Hieracium pseudopraecox* (Zahn) Prain, Index Kew., Suppl. 5: 132. 1921.

Hieracium bifidum subsp. *wallrothianum* (Bornm. & Zahn) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium wallrothianum* Bornm. & Zahn in Mitth. Thüring. Bot. Vereins 39: 42. 1930.

Hieracium bosniacum subsp. *banjanum* (K. Malý & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium dolopicum* subsp. *banjanum* K. Malý & Zahn in Glasn. Zemaljsk. Muz. Bosni Hercegovini 37: 56. 1925.

Hieracium bosniacum subsp. *dolopicum* (Freyn & Sint.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium dolopicum* Freyn & Sint. in Bull. Herb. Boissier 5: 785. 1897.

Hieracium bosniacum subsp. *pannosifolium* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium dolopicum* subsp. *pannosifolium* Zahn in Engler, Pflanzenr. 77: 577. 1921.

Hieracium bosniacum subsp. *pelliculatum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pelliculatum* Zahn in Magyar Bot. Lapok 6: 219. 1907 $\equiv$ *Hieracium dolopicum* subsp. *pelliculatum* (Zahn) Zahn in Engler, Pflanzenr. 76: 576. 1921.

Hieracium brevifolium subsp. *burgeffianum* Greuter, **subsp. nov.** [*Hieracium latifolium* subsp. *burgeffianum* Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 524. 1938, descr. germ.]. – Holotype: F.Y.R. Makedonija, “Nikolic a. Dojran See”, 1917, *Burgeff 1035* (M). – Description: “*Hieracio noëano* simile, sed folia valde firma, etiam supra breviter setosa, interdum brevidentata, sensim descrenentia, oblongo-ovata vel late ovata, breviter acutata. Synflorescentia non delimitata; rami foliis parvis brevibus cordato-ovatis aliquanto floccosis obsiti; acliadium (ad 25 mm longum) et pedunculi grisei breviter pilosi et glandulosi. Involucrum ad 12 mm longum, latissimum, pilosum et glandulosum; squamae atrovirides viridimarginatae, plurimae latiusculae, obtusiusculae ad subacutae; exteriores angustae, laxae, in bracteas parvas virescentes transeunt. Stylus ater. Achaenia atrobrunnea.” – H. Zahn.

Hieracium brevifolium subsp. *hundsdoerferianum* Greuter, **subsp. nov.** [*Hieracium latifolium* subsp. *hundsdoerferianum* Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 518. 1938, descr. germ.]. – Holotype: Slovenija, am Čavn bei Görz, *Harz* (M). – Description: “Planta 60-80 cm alta, basin versus gradatim hirtior, corymbosum; rami 5-10 cm longi; pedunculi elongati, graciles, floccosi tantum; capitula 10-20. Involucrum magnum, minute glandulosum, pilis destitutum, parvifloccosum; squamae latae; bracteae plures. Stylus luteus. Folia 40-60 densa, late lanceolata, summa tantum diminuta, margine (piis saepe truncatis) et dorso tantum breviter pilosa (pilis nodulis insidentibus) et floccosa; inferiora 10 cm longa et 15-20 mm lata; superiora minus pilosa sed utrinque floccosa; omnia dentibus 1-2(-3) dissitis longis angustis acutissimis serrata.” – H. Zahn.

Hieracium brevifolium subsp. *noëanum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium noëanum* Zahn in Engler, Pflanzenr. 79: 1006. 1922 $\equiv$ *Hieracium latifolium* subsp. *noëanum* (Zahn) Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 524. 1938.

Hieracium bucuranum [Nyár. in Săvulescu, Fl. Rep. Pop. Române 10: 735. 1965, sine design. typi, ex] Nyár., **sp. nov.** – Description: Nyárády in Săvulescu, Fl. Rep. Pop. Române 10: 735. 1965. – Holotype: Romania, “Transsilvania, distr. Hunedoara, Mtibus Retezat, ad rivum Bucura supra vallem Lăpuznicul mare”, c. 1600-1700 m, 27.8.1930, Nyárády (SIB 118504; isotypes: CL 430261-430262, 430265-430267, 430303, 430474-430475, 430477).

Hieracium calcareum subsp. *baldense* (Nägeli & Peter) Greuter, **comb. nov.** ≡ *Hieracium illyricum* subsp. *baldense* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 56. 1886 ≡ *Hieracium baldense* (Nägeli & Peter) Prain, Index Kew., Suppl. 4: 109. 1913.

Hieracium calcareum subsp. *baldensiforme* (Nägeli & Peter) Greuter, **comb. nov.** ≡ *Hieracium illyricum* subsp. *baldensiforme* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 55. 1886 ≡ *Hieracium baldensiforme* (Nägeli & Peter) Prain, Index Kew., Suppl. 4: 109. 1913.

Hieracium calcareum subsp. *carnicum* (Nägeli & Peter) Greuter, **comb. nov.** ≡ *Hieracium illyricum* subsp. *carnicum* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 54. 1886.

Hieracium calcareum subsp. *crinopodum* (Nägeli & Peter) Greuter, **comb. nov.** ≡ *Hieracium illyricum* subsp. *crinopodum* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 55. 1886 ≡ *Hieracium crinopodum* (Nägeli & Peter) Prain, Index Kew., Suppl. 5: 127. 1921.

Hieracium calcareum subsp. *holleri* (Nägeli & Peter) Greuter, **comb. nov.** ≡ *Hieracium illyricum* subsp. *holleri* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 57. 1886 ≡ *Hieracium holleri* (Nägeli & Peter) Prain, Index Kew., Suppl. 4: 113. 1913.

Hieracium calcareum subsp. *illyricum* (Fr.) Greuter, **comb. & stat. nov.** ≡ *Hieracium illyricum* Fr. in Uppsala Univ. Årsskr. 1862: 71. 1862.

Hieracium calcareum subsp. *papperitzii* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium illyricum* subsp. *papperitzii* Zahn in Engler, Pflanzenr. 76: 388. 1921.

Hieracium calcareum subsp. *trilacense* (Dörfler) Greuter, **comb. nov.** ≡ *Hieracium illyricum* subsp. *trilacense* Dörfler in Jahreskat. Wiener Bot. Tauschvereins 1900: 128. 1899 ≡ *Hieracium trilacense* (Dörfler) Prain, Index Kew., Suppl. 5: 134. 1921.

Hieracium calcogeton (Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium vulgatum* subsp. *calcogeton* Zahn in Engler, Pflanzenr. 75: 181. 1921 [incl. *Hieracium biharianum* auct., nom. inval.].

Hieracium calophyllum subsp. *hercegovinicum* (Freyn & Vandas) Greuter, **comb. nov.** ≡ *Hieracium marmoreum* subsp. *hercegovinicum* Freyn & Vandas in Bull. Herb. Boissier 3: 647, 652, 663. 1895 ≡ *Hieracium hercegovinicum* (Freyn & Vandas) Szélag in Feddes Repert. 113: 506. 2002 ≡ *Hieracium calophyllum* subsp. *hercegovinae* Zahn in Engler, Pflanzenr. 76: 588. 1921, nom. illeg.

Hieracium camkorijense subsp. *sarykamyschense* (Üksip) Greuter, **comb. & stat. nov.** ≡ *Hieracium sarykamyschense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 487. 1959.

Hieracium carinthiostiriacum [J. Vetter & Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 698. 1938, descr. germ.] J. Vetter & Zahn, **sp. nov.** – Holotype: Austria, “Steirisch-kärntnerisches Grenzgebiet, Wiesen auf der Turracher Höhe”, 27.7.1931, Vetter (W-1950-7599). – Description: “*Hieracio djimilensi* habitu simile sed indumentum breve, ad marginem foliorum ± copiosum, rigidiusculum, in facie superiore foliorum, infimorum exceptorum, nullum. Caulis 25-40 cm alti, graciles, ± colorati, breviter rigidiuscule pilosi, 5-12-cephali; acladium 3-10 mm longum; rami 3-5, admodum dissiti, 1-3(-4)-cephali, copiose floccosi, parce vel modice pilosi (pilis 1-2 mm longis, basi atris) et parce minute glandulosi; pedunculi breves, grisei, modice vel admodum parvoglandulosi, parce pilosi. Involucrum cylindrico-campanulatum dein carsum, modice (partim minute) glandulosum et pilis e basi atra crassa dilute apiculatis submodice obsitum;

squamae latae, obtusae, atrae, praesertim marginem versus (in extimis brevioribus densius) floccosae, interiores acutiusculae et sordide viridimarginatae. Flores conspicui, saturate lutei, parce et brevissime ciliati; stylus ater. Folia basalia desunt; caulina 7-12, paulatim diminuta, late lanceolata, acuta vel longe acutata, nonnisi (interdum valde) denticulata, subfirma, dilute flavido-vel olivaceo-virentia; infima (10-15 cm × 15-20 mm metientia) sensim in petiolum brevem vel longum interdum latissimum angustata, sequentia parum angustata saepe panduriformia, vel haud angustata et basi lata vel subcordata sessilia et semiamplexicaulia; summa e basi lata amplectente sensim acuminata, in bracteis angustas, virides vel ± atratas transeuntia.” – H. Zahn.

Hieracium caucasiense subsp. *acutangulum* (Koslovsky & Zahn) Greuter, **comb. nov.** ≡ *Hieracium biebersteinii* subsp. *acutangulum* Koslovsky & Zahn in Věstn. Tiflissk. Bot. Sada 29: 20. 1913 ≡ *Hieracium acutangulum* (Koslovsky & Zahn) Üksip in Komarov, Fl. SSSR 30: 48. 1960.

Hieracium caucasiense subsp. *biebersteinii* (Litv. & Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium biebersteinii* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 329. 1907, nom. illeg. ≡ *Hieracium muricellum* subsp. *biebersteinii* Zahn in Engler, Pflanzenr. 79: 1063. 1922 ≡ *Hieracium megalosvaneticum* Sennikov in Willdenowia 35: 232. 2005.

Hieracium caucasiense subsp. *gandogeri* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium pseudosparsum* Zahn in Vandas, Reliq. Forman.: 365. 1909 ≡ *Hieracium muricellum* subsp. *gandogeri* Zahn in Engler, Pflanzenr. 79: 1064. 1922 ≡ *Hieracium gandogeri* (Zahn) Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 702. 1938.

Hieracium caucasiense subsp. *hypopogon* (Litv. & Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium biebersteinii* subsp. *hypopogon* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 329. 1907 ≡ *Hieracium hypopogon* (Litv. & Zahn) Üksip in Komarov, Fl. SSSR 30: 50. 1960.

Hieracium caucasiense subsp. *macrogonum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium muricellum* subsp. *macrogonum* Zahn in Engler, Pflanzenr. 79: 1064. 1922 ≡ *Hieracium macrogonum* (Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 431. 1975.

Hieracium cavanillesianum subsp. *aldeanum* (Arv.-Touv.) Greuter, **comb. nov.** ≡ *Hieracium aldeanum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 121. 1913 ≡ *Hieracium leptocladum* subsp. *aldeanum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 82: 1577. 1923 ≡ *Hieracium rupicola* subsp. *aldeanum* (Arv.-Touv.) O. Bolòs & Vigo, Fl. Països Catal. 3: 1118. 1996.

Hieracium cerinthoides subsp. *ernesti* (Maire) Greuter, **comb. nov.** ≡ *Hieracium ernesti* Maire in Bull. Soc. Hist. Nat. Afrique N. 12: 45. 1921 ≡ *Hieracium ramondii* subsp. *ernesti* (Maire) Zahn in Engler, Pflanzenr. 82: 1535. 1923.

Hieracium cerinthoides subsp. *fourcadei* (de Retz) Greuter, **comb. & stat. nov.** ≡ *Hieracium fourcadei* de Retz in Bull. Soc. Bot. France 125(3-4): 209. 1978.

Hieracium cernagorae subsp. *doljaninum* (K. Malý & Zahn) Greuter, **comb. nov.** ≡ *Hieracium pseudotommasinii* subsp. *doljaninum* K. Malý & Zahn in Glasn. Zemaljsk. Muz. Bosni Hercegovini 37: 57. 1925.

Hieracium cernagorae subsp. *krstacense* (K. Malý & Zahn) Greuter, **comb. nov.** ≡ *Hieracium pseudotommasinii* subsp. *krstacense* K. Malý & Zahn in Glasn. Zemaljsk. Muz. Bosni Hercegovini 37: 57. 1925.

Hieracium cernagorae subsp. *pseudotommasinii* (Rohlena & Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium pseudotommasinii* Rohlena & Zahn in Repert. Spec. Nov. Regni Veg. 6: 237. 1909.

Hieracium cernagorae subsp. *stupposiceps* (Rohlena & Zahn) Greuter, **comb. nov.** ≡ *Hieracium pseudotommasinii* subsp. *stupposiceps* Rohlena & Zahn in Repert. Spec. Nov. Regni Veg. 6: 239. 1909.

Hieracium cernagorae subsp. *vardense* (Rohlena & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pseudotommasinii* subsp. *vardense* Rohlena & Zahn in Repert. Spec. Nov. Regni Veg. 6: 238. 1909.

Hieracium chalcidicum subsp. *cappadocicum* (Freyn) Greuter, **comb. nov.** $\equiv$ *Hieracium cappadocicum* Freyn in Österr. Bot. Z. 41: 55. 1891 $\equiv$ *Hieracium pilosissimum* subsp. *cappadocicum* (Freyn) Zahn in Engler, Pflanzenr. 77: 593. 1921.

Hieracium chalcidicum subsp. *divaricatum* (Fr.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium pilosissimum* Friv. in Flora 19: 436. 1836 [non Schrank 1789] $\equiv$ *Hieracium divaricatum* Fr. in Uppsala Univ. Årsskr. 1862: 78. 1862.

Hieracium chalcidicum subsp. *koenigianum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pilosissimum* subsp. *koenigianum* Zahn in Věstn. Tiflissk. Bot. Sada 12: 8. 1908 $\equiv$ *Hieracium koenigianum* (Zahn) Üksip in Komarov, Fl. SSSR 30: 200. 1960.

Hieracium chalcidicum subsp. *macropannosum* (Rech. f. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pilosissimum* subsp. *macropannosum* Rech. f. & Zahn in Bot. Jahrb. Syst. 69: 534. 1939 $\equiv$ *Hieracium macropannosum* (Rech. f. & Zahn) Greuter in Willdenowia 35: 232. 2005.

Hieracium chalcidicum subsp. *paphlagonicum* (Freyn & Sint.) Greuter, **comb. nov.** $\equiv$ *Hieracium paphlagonicum* Freyn & Sint. in Österr. Bot. Z. 44: 260. 1894 $\equiv$ *Hieracium pilosissimum* subsp. *paphlagonicum* (Freyn & Sint.) Zahn in Engler, Pflanzenr. 77: 593. 1921.

Hieracium chalcidicum subsp. *subpannosum* (Pawł.) Greuter, **comb. nov.** $\equiv$ *Hieracium pilosissimum* subsp. *subpannosum* Pawł. in Acta Soc. Bot. Poloniae 32: 478. 1963 $\equiv$ *Hieracium subpannosum* (Pawł.) Greuter in Willdenowia 35: 234. 2005.

Hieracium chalcidicum subsp. *thessalum* (Formánek) Greuter, **comb. nov.** $\equiv$ *Hieracium thessalum* Formánek in Verh. Naturf. Vereins Brünn 34: 292. 1896 $\equiv$ *Hieracium divaricatum* subsp. *thessalum* (Formánek) Zahn in Vandas, Reliq. Forman.: 359. 1909 $\equiv$ *Hieracium pilosissimum* subsp. *thessalum* (Formánek) Zahn in Engler, Pflanzenr. 77: 595. 1921.

Hieracium chlorophyton subsp. *huljakianum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium marchesettianum* subsp. *huljakianum* Zahn in Magyar Bot. Lapok 28: 32. 1930.

Hieracium chlorophyton subsp. *languidum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium marchesettianum* subsp. *languidum* Zahn, Hierac. Alp. Mar.: 173. 1916.

Hieracium chlorophyton subsp. *marchesettianum* (Zahn) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium marchesettianum* Zahn, Hierac. Alp. Mar.: 173. 1916.

Hieracium chlorophyton subsp. *margittaianum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium marchesettianum* subsp. *margittaianum* Zahn in Engler, Pflanzenr. 79: 997. 1922.

Hieracium chlorophyton subsp. *putnokense* (Hulják & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium marchesettianum* subsp. *putnokense* Hulják & Zahn in Magyar Bot. Lapok 28: 33. 1930.

Hieracium cincinnatum subsp. *armeniaceum* (Arv.-Touv.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium armeniaceum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 431. 1913.

Hieracium compositum subsp. *cadevallii* (Pau) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium cadevallii* Pau in Mem. Real Acad. Ci. Barcelona, ser. 2, 2: 93. 1897.

Hieracium cordatum subsp. *acanthophyllum* (Arv.-Touv.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium acanthophyllum* Arv.-Touv. in Bull. Herb. Boissier 5: 718. 1897.

Hieracium cordifolium subsp. *periplecum* (Arv.-Touv. & Gaut.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium periplecum* Arv.-Touv. & Gaut. in Bull. Soc. Bot. France 41: 355. 1894.

Hieracium cordifolium subsp. *protocerinthe* (Arv.-Touv. & Sennen) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium protocerinthe* Arv.-Touv. & Sennen in Arvet-Touvet, Hier. Gall. Hisp. Cat.: 178. 1913.

Hieracium crocatum subsp. *lespinassei* (Koslovsky & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium conicum* subsp. *lespinassei* Koslovsky & Zahn in Věstn. Tiflissk. Bot. Sada 29: 15. 1913 $\equiv$ *Hieracium aestivum* subsp. *lespinassei* (Koslovsky & Zahn) Zahn in Engler, Pflanzenr. 79: 920. 1922 $\equiv$ *Hieracium lespinassei* (Koslovsky & Zahn) Üksip in Komarov, Fl. SSSR 30: 134. 1960.

Hieracium cryptanthum subsp. *adenodontum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** $\equiv$ *Hieracium adenodontum* Arv.-Touv. & Gaut., Hieracioth. 1: [in schedis] Gall. No. 32-34. 1897 $\equiv$ *Hieracium subsericeum* subsp. *adenodontum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 158. 1921.

Hieracium cryptanthum subsp. *venascanum* (Arv.-Touv. & Gaut.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium venascanum* Arv.-Touv. & Gaut., Hieracioth. 13: [in schedis] Hisp. No. 208. 1902.

Hieracium dasytrichum subsp. *neopolytrichum* (Arv.-Touv.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium neopolytrichum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 63. 1913.

Hieracium dermatophyllum subsp. *juraniforme* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* subsp. *juraniforme* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 332. 1905 $\equiv$ *Hieracium juraniforme* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 646. 1906.

Hieracium dermatophyllum subsp. *juranigenum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium juraniforme* subsp. *juranigenum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 648. 1906 $\equiv$ *Hieracium juranigenum* (Zahn) Prain, Index Kew., Suppl. 4: 114. 1913.

Hieracium dermatophyllum subsp. *juranopsis* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium juraniforme* subsp. *juranopsis* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 647. 1906 $\equiv$ *Hieracium juranopsis* (Zahn) Prain, Index Kew., Suppl. 4: 114. 1913.

Hieracium dermatophyllum subsp. *nufenense* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium nufenense* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 333. 1905 $\equiv$ *Hieracium juraniforme* subsp. *nufenense* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 648. 1906.

Hieracium diaphanoides subsp. *chlorodes* (Dahlst.) Greuter, **comb. nov.** $\equiv$ *Hieracium anfractum* subsp. *chlorodes* Dahlst. in Kongl. Svenska Vetensk. Acad. Handl., ser. 2, 26(3): 148. 1894 $\equiv$ *Hieracium chlorodes* (Dahlst.) Dahlst., Herb. Hierac. Scand. 9: [in schedis] No. 66. 1895 $\equiv$ *Hieracium vulgatum* subsp. *chlorodes* (Dahlst.) Zahn in Engler, Pflanzenr. 76: 382. 1921 $\equiv$ *Hieracium lachenalii* subsp. *chlorodes* (Dahlst.) Zahn in Hegi, Ill. Fl. Mitt.-Eur. 6: 1283. 1929.

Hieracium djimilense subsp. *panjutinii* (Üksip) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium panjutinii* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 467. 1959.

Hieracium djimilense subsp. *terekianum* (Litv. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium dacicum* subsp. *terekianum* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 263. 1907 $\equiv$ *Hieracium pelagae* subsp. *terekianum* (Litv. & Zahn) Zahn in Engler, Pflanzenr. 79: 1069. 1922 $\equiv$ *Hieracium terekianum* (Litv. & Zahn) Üksip in Komarov, Fl. SSSR 30: 33. 1960.

Hieracium dolichosphaericum (Zahn) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium dolichocephalum* Dahlst. in Lindman, Sv. Fanerogamfl.: 610. 1918 [non (Zahn) Prain 1913] $\equiv$ *Hieracium atratum* subsp. *dolichosphaericum* Zahn in Engler, Pflanzenr. 77: 672. 1921.

Hieracium doricifolium subsp. *salevense* (Fr.) Greuter, **comb. nov.** $\equiv$ *Hieracium dentatum* subsp. *salevense* Fr. in Uppsala Univ. Årsskr. 1862: 63. 1862 $\equiv$ *Hieracium misaucinum* subsp. *salevense* (Fr.) Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 302. 1905 $\equiv$ *Hieracium salevense* (Fr.) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 526. 1906.

Hieracium elisaeae subsp. *balearicum* (Arv.-Touv.) Greuter, **comb. & stat. nov.** ≡ *Hieracium balearicum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 157. 1913.

Hieracium elisaeae subsp. *segurae* (Mateo) Greuter, **comb. & stat. nov.** ≡ *Hieracium segurae* Mateo in Monogr. Inst. Piren. Ecol. 4: 254. 1988.

Hieracium eriophorum subsp. *lavernellei* (Timb.-Lagr.) Greuter, **comb. nov.** ≡ *Hieracium lavernellei* Timb.-Lagr. in Mém. Acad. Sci. Toulouse, ser. 7, 9: 136. 1877 ≡ *Hieracium prostratum* subsp. *lavernellei* (Timb.-Lagr.) Zahn in Engler, Pflanzenr. 79: 941. 1922.

Hieracium erucophyllum subsp. *prinzii* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium squalidum* subsp. *prinzii* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1835. 1901 ≡ *Hieracium cottetii* subsp. *prinzii* (Zahn) Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 310. 1905 ≡ *Hieracium prinzii* (Zahn) Zahn in Engler, Pflanzenr. 76: 522. 1921.

Hieracium flagelliferum subsp. *joratense* (Gremli) Greuter, **comb. nov.** ≡ *Hieracium boreale* var. *joratense* Gremli, Excursionsfl. Schweiz, ed. 7: 282. 1893 ≡ *Hieracium racemosum* subsp. *joratense* (Gremli) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1926. 1902.

Hieracium flocciferum subsp. *briziflorum* (Arv.-Touv.) Greuter, **comb. nov.** ≡ *Hieracium briziflorum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 143. 1913 ≡ *Hieracium flocculiferum* subsp. *briziflorum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 75: 156. 1921.

Hieracium flocciferum subsp. *subflocciferum* (Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium flocculiferum* subsp. *subflocciferum* Zahn in Engler, Pflanzenr. 75: 156. 1921 ≡ *Hieracium briziflorum* subsp. *subflocciferum* (Zahn) O. Bolòs & Vigo, Fl. Països Catal. 3: 1082. 1996.

Hieracium fuscocinereum subsp. *philanthrax* (Dahlst.) [de Retz in Bull. Soc. Bot. France 121: 39. 1974, comb. inval., ex] Greuter, **comb. nov.** [= *Hieracium* [subsp.] *philanthrax* Stenstr., Värmländsk. Archierac.: 25. 1889, nom. inval.] ≡ *Hieracium philanthrax* Dahlst., Herb. Hierac. Scand. 1: [in schedis] No. 79-84. 1892 ≡ *Hieracium sagittatum* subsp. *philanthrax* (Dahlst.) Zahn in Engler, Pflanzenr. 76: 343. 1921.

Hieracium gigantellum subsp. *podkumokense* (Üksip) Greuter, **comb. & stat. nov.** ≡ *Hieracium podkumokense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 467. 1959.

Hieracium glaucinum subsp. *badalii* (Pau) Greuter, **comb. & stat. nov.** ≡ *Hieracium badalii* Pau in Not. Bot. Fl. Españ. 6: 71. 1895.

Hieracium glaucinum subsp. *baliophyllum* (Hyl.) Greuter, **comb. & stat. nov.** ≡ *Hieracium baliophyllum* Hyl. in Symb. Bot. Upsal. 7(1): 132. 1943.

Hieracium glaucinum subsp. *basilacistum* (Rech. f. & Zahn) Greuter, **comb. nov.** ≡ *Hieracium praecox* subsp. *basilacistum* Rech. f. & Zahn in Repert. Spec. Nov. Regni Veg. 38: 350. 1935.

Hieracium glaucinum subsp. *crestense* (Briq. & Zahn) Greuter, **comb. nov.** ≡ *Hieracium praecox* subsp. *crestense* Briq. & Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 276. 1931.

Hieracium glaucinum subsp. *fragiliforme* (Zahn) [O. Bolòs & Vigo, Fl. Països Catal. 3: 1050. 1996, comb. inval., ex] Greuter, **comb. nov.** ≡ *Hieracium praecox* subsp. *fragiliforme* Zahn in Arch. Bot. Bull. Mens. 2: 197. 1928.

Hieracium glaucinum subsp. *horripilum* (Zahn) [O. Bolòs & Vigo, Fl. Països Catal. 3: 1049. 1996, comb. inval., ex] Greuter, **comb. nov.** ≡ *Hieracium praecox* subsp. *horripilum* Zahn in Engler, Pflanzenr. 75: 236. 1921.

Hieracium glaucinum subsp. *lojkae* (Degen & Zahn) Greuter, **comb. nov.** ≡ *Hieracium praecox* subsp. *lojkae* Degen & Zahn in Magyar Bot. Lapok 7: 115. 1908.

Hieracium glaucinum subsp. *petiolare* (Jord.) Greuter, **comb. nov.** = *Hieracium petiolare* Jord., Jard. Bot. Grenoble, Cat. Graines 1849: 20. 1849 = *Hieracium praecox* subsp. *petiolare* (Jord.) Sudre, Hierac. Centre France: 78. 1902.

Hieracium glaucinum subsp. *pljackavicense* (Zahn) Greuter, **comb. nov.** = *Hieracium markovanum* Arv.-Touv. in Annuaire Conserv. Jard. Bot. Genève 10: 109. 1907 = *Hieracium praecox* subsp. *pljackavicense* Zahn in Engler, Pflanzenr. 75: 241. 1921.

Hieracium glaucinum subsp. *portaeferreae* (Degen & Zahn) Greuter, **comb. nov.** = *Hieracium praecox* subsp. *portaeferreae* Degen & Zahn in Engler, Pflanzenr. 76: 241. 1921.

Hieracium glaucinum subsp. *prasiophaeum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium prasiophaeum* Arv.-Touv. & Gaut. in Bull. Soc. Bot. France 41: 349. 1894 = *Hieracium murorum* subsp. *prasiophaeum* (Arv.-Touv. & Gaut.) Zahn in Schinz & Keller, Fl. Schweiz, ed. 3, 2: 421. 1914.

Hieracium glaucinum subsp. *veljunense* (Zahn) Greuter, **comb. nov.** = *Hieracium praecox* subsp. *veljunense* Zahn in Engler, Pflanzenr. 75: 241. 1921.

Hieracium glaucinum subsp. *verlotii* (Fr.) [O. Bolòs & Vigo, Fl. Països Catal. 3: 1050. 1996, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium verlotii* Fr. in Uppsala Univ. Årsskr. 1862: 91. 1862 = *Hieracium cinerascens* subsp. *verlotii* (Fr.) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 473. 1906 = *Hieracium praecox* subsp. *verlotii* (Fr.) Zahn in Engler, Pflanzenr. 75: 239..

Hieracium glaucinum subsp. *vratnikense* (Zahn) Greuter, **comb. nov.** = *Hieracium cinerascens* subsp. *vratnikense* Zahn in Ann. Hist.-Nat. Mus. Natl. Hung. 8: 68. 1910 = *Hieracium praecox* subsp. *vratnikense* (Zahn) Zahn in Engler, Pflanzenr. 75: 239. 1921.

Hieracium glaucomorphum subsp. *franconicum* (Griseb.) Greuter, **comb. & stat. nov.** = *Hieracium rupicola* var. *franconicum* Griseb. in Abh. Königl. Ges. Wiss. Göttingen 5: 136. 1853 = *Hieracium franconicum* (Griseb.) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 407. 1906.

Hieracium glaucophyllum subsp. *villadraeum* (Arv.-Touv.) Greuter, **comb. & stat. nov.** = *Hieracium villadraeum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 116. 1913.

Hieracium glaucum subsp. *aechmetes* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium dentatum* subsp. *aechmetes* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 176. 1886 = *Hieracium aechmetes* (Nägeli & Peter) Prain, Index Kew., Suppl. 4: 108. 1913.

Hieracium grandiceps P. D. Sell, **nom. nov.** = *Hieracium magniceps* P. D. Sell & C. West in Watsonia 6: 308. 1967 [non Omang 1951].

Hieracium heterogynum subsp. *crepidifolium* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium stuppeum* subsp. *crepidifolium* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 48. 1886 = *Hieracium stuposum* subsp. *crepidifolium* (Nägeli & Peter) Zahn in Engler, Pflanzenr. 79: 963. 1922.

Hieracium heterogynum subsp. *eripodum* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium stuppeum* subsp. *eripodum* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 47. 1886 = *Hieracium stuposum* subsp. *chaetopodum* Zahn in Engler, Pflanzenr. 79: 963. 1922, nom. illeg.

Hieracium heterogynum subsp. *nivisquamum* (Degen & Zahn) Greuter, **comb. nov.** = *Hieracium stuppeum* subsp. *nivisquamum* Degen & Zahn in Magyar Bot. Lapok 7: 125. 1908 = *Hieracium stuposum* subsp. *nivisquamum* (Degen & Zahn) Zahn in Engler, Pflanzenr. 79: 963. 1922.

Hieracium heterogynum subsp. *pachychaetium* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium stuppeum* subsp. *pachychaetium* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 47. 1886 = *Hieracium stuposum* subsp. *pachychaetium* (Nägeli & Peter) Zahn in Engler, Pflanzenr. 79: 963. 1922.

Hieracium heterogynum subsp. *substupposum* (Rohlena & Zahn) Greuter, **comb. nov.** = *Hieracium stuppeum* subsp. *substupposum* Rohlena & Zahn in Repert. Spec. Nov. Regni Veg. 6: 235. 1909 = *Hieracium stupposum* subsp. *substupposum* (Rohlena & Zahn) Zahn in Engler, Pflanzenr. 79: 963. 1922.

Hieracium heterogynum subsp. *ueskuebiense* (Zahn) Greuter, **comb. nov.** = *Hieracium stuppeum* subsp. *ueskuebiense* Zahn in Vandas, Reliq. Forman.: 363. 1909 = *Hieracium stupposum* subsp. *ueskuebiense* (Zahn) Zahn in Engler, Pflanzenr. 79: 964. 1922.

Hieracium hispanicum subsp. *dimorphotrichum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium dimorphotrichum* Arv.-Touv. & Gaut., Hieracioth. 6: [in schedis] Hisp. No. 79. 1899 = *Hieracium cordatum* subsp. *dimorphotrichum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 77: 734. 1921.

Hieracium hispanicum subsp. *sacalmianum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium sacalmianum* Arv.-Touv. & Gaut., Hieracioth. 1: [in schedis] Hisp. No. 5. 1897 = *Hieracium glaucophyllum* subsp. *sacalmianum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 77: 738. 1921.

Hieracium hypochoeroides subsp. *adesiforme* (Zahn) Greuter, **comb. nov.** = *Hieracium wiesbaurianum* subsp. *adesiforme* Zahn, Hierac. Alp. Mar.: 153. 1916.

Hieracium hypochoeroides subsp. *adesum* (Bernoulli & Zahn) Greuter, **comb. nov.** = *Hieracium wiesbaurianum* subsp. *adesum* Bernoulli & Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 303. 1905 = *Hieracium adesum* (Bernoulli & Zahn) Prain, Index Kew., Suppl. 4: 108. 1913.

Hieracium hypochoeroides subsp. *apertorum* (Zahn) Greuter, **comb. nov.** = *Hieracium wiesbaurianum* subsp. *apertorum* Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 354. 1931 = *Hieracium apertorum* (Zahn) Jochen Müll. in Haussknechtia 10: 142. 2004.

Hieracium hypochoeroides subsp. *ayliesii* (Zahn) Greuter, **comb. nov.** = *Hieracium wiesbaurianum* subsp. *ayliesii* Zahn in Engler, Pflanzenr. 82: 1541. 1923.

Hieracium hypochoeroides subsp. *bridelianum* (Zahn) Greuter, **comb. nov.** = *Hieracium wiesbaurianum* subsp. *bridelianum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 475. 1906 = *Hieracium bridelianum* (Zahn) Prain, Index Kew., Suppl. 4: 109. 1913.

Hieracium hypochoeroides subsp. *crinicaesium* (Schack & Zahn) Greuter, **comb. nov.** = *Hieracium sommerfeltii* subsp. *crinicaesium* Schack & Zahn in Mitth. Thüring. Bot. Vereins 41: 94. 1933 = *Hieracium crinicaesium* (Schack & Zahn) Jochen Müll. in Haussknechtia 10: 141. 2004.

Hieracium hypochoeroides subsp. *cryptochaetophyllum* (T. Georgiev & Zahn) Greuter, **comb. nov.** = *Hieracium wiesbaurianum* subsp. *cryptochaetophyllum* T. Georgiev & Zahn in Izv. Bulg. Bot. Druž. 4: 80. 1931.

Hieracium hypochoeroides subsp. *dalmaticum* (Kümmerle & Zahn) Greuter, **comb. nov.** = *Hieracium wiesbaurianum* subsp. *dalmaticum* Kümmerle & Zahn in Magyar Bot. Lapok 25: 309. 1927.

Hieracium hypochoeroides subsp. *divergentidens* (Schack & Zahn) Greuter, **comb. nov.** = *Hieracium wiesbaurianum* subsp. *divergentidens* Schack & Zahn in Jahrb. Hist. Vereins Fürstentum Liechtenstein 34: 107. 1934.

Hieracium hypochoeroides subsp. *dolichellum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium dolichellum* Arv.-Touv. & Gaut., Hieracioth. 5: [in schedis] Gall. No. 276. 1898 = *Hieracium wiesbaurianum* subsp. *dolichellum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 270. 1921.

Hieracium hypochoeroides subsp. *epirense* (Zahn) Greuter, **comb. nov.** = *Hieracium wiesbaurianum* subsp. *epirense* Zahn in Engler, Pflanzenr. 75: 264. 1921 = *Hieracium epirense* (Zahn) Buttler in Strid, Mount. Fl. Greece 2: 618. 1991.

Hieracium hypochoeroides subsp. *fissifurcum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** ≡ *Hieracium fissifurcum* Arv.-Touv. & Gaut., Hieracioth. 7: [in schedis] Gall. No. 422-423. 1899 ≡ *Hieracium wiesbaurianum* subsp. *fissifurcum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 268. 1921.

Hieracium hypochoeroides subsp. *fojnicense* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *fojnicense* Zahn in Engler, Pflanzenr. 75: 265. 1921.

Hieracium hypochoeroides subsp. *gladiatiforme* (Schack & Zahn) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *gladiatiforme* Schack & Zahn in Repert. Spec. Nov. Regni Veg. 33: 368. 1934.

Hieracium hypochoeroides subsp. *grossidentatum* (Jochen Müll.) Greuter, **comb. & stat. nov.** ≡ *Hieracium grossidentatum* Jochen Müll. in Haussknechtia 10: 128. 2004.

Hieracium hypochoeroides subsp. *guaranum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** ≡ *Hieracium guaranum* Arv.-Touv. & Gaut., Hieracioth. 20: [in schedis] Hisp. No. 403. 1908 ≡ *Hieracium granatense* subsp. *guaranum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 171. 1921 ≡ *Hieracium glaucinum* subsp. *guaranum* (Arv.-Touv. & Gaut.) O. Bolòs & Vigo, Fl. Països Catal. 3: 1053. 1996.

Hieracium hypochoeroides subsp. *guestphalicum* (Gottschl.) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *guestphalicum* Gottschl. in Abh. Westfäl. Mus. Naturk. 53(4): 18. 1991.

Hieracium hypochoeroides subsp. *herculanum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *herculanum* Zahn in Engler, Pflanzenr. 76: 268. 1921.

Hieracium hypochoeroides subsp. *jacquiniiforme* (Litard. & Zahn) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *jacquiniiforme* Litard. & Zahn in Arch. Bot. Mém. 2(1): 41. 1928.

Hieracium hypochoeroides subsp. *jenzigense* (Bornm. & Zahn) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *jenzigense* Bornm. & Zahn in Engler, Pflanzenr. 82: 1540. 1923 ≡ *Hieracium jenzigense* (Bornm. & Zahn) Jochen Müll. in Haussknechtia 10: 138. 2004.

Hieracium hypochoeroides subsp. *kunitzburgense* (Bornm. & Zahn) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *kunitzburgense* Bornm. & Zahn in Mitth. Thüring. Bot. Vereins 39: 8. 1930.

Hieracium hypochoeroides subsp. *kyllenense* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *kyllenense* Zahn in Engler, Pflanzenr. 75: 261. 1921.

Hieracium hypochoeroides subsp. *lithophilum* (Arv.-Touv.) Greuter, **comb. nov.** ≡ *Hieracium lithophilum* Arv.-Touv. in Ann. Soc. Linn. Lyon, ser. 2, 34: 67. 1888 ≡ *Hieracium wiesbaurianum* subsp. *lithophilum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 75: 260. 1921.

Hieracium hypochoeroides subsp. *livadicae* (O. Behr & al.) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *livadicae* O. Behr & al. in Glasn. Skopsk. Naučn. Društva 20: 123. 1939.

Hieracium hypochoeroides subsp. *nervulosum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** ≡ *Hieracium nervulosum* Arv.-Touv. & Gaut., Hieracioth. 12: [in schedis] Gall. No. 779-781. 1901 ≡ *Hieracium wiesbaurianum* subsp. *nervulosum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 265. 1921.

Hieracium hypochoeroides subsp. *nipanthodes* (Bornm. & Zahn) Greuter, **comb. nov.** ≡ *Hieracium wiesbaurianum* subsp. *nipanthodes* Bornm. & Zahn in Mitth. Thüring. Bot. Vereins 39: 7. 1930 ≡ *Hieracium nipanthodes* (Bornm. & Zahn) Jochen Müll. in Haussknechtia 10: 139. 2004.

Hieracium hypochoeroides subsp. *parvimaculatum* (Jochen Müll.) Greuter, **comb. & stat. nov.** ≡ *Hieracium parvimaculatum* Jochen Müll. in Haussknechtia 10: 132. 2004.

Hieracium hypochoeroides subsp. *plauense* (Schack & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium romieuxianum* subsp. *plauense* Schack & Zahn in Mitth. Thüring. Bot. Vereins 39: 76. 1930 $\equiv$ *Hieracium wiesbaurianum* subsp. *plauense* (Schack & Zahn) Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 349. 1931 $\equiv$ *Hieracium plauense* (Schack & Zahn) Jochen Müll. in Haussknechtia 10: 142. 2004.

Hieracium hypochoeroides subsp. *pollinense* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pollinense* Zahn in Allg. Bot. Z. Syst. 7: 145. 1901 $\equiv$ *Hieracium leucophaeum* subsp. *pollinense* Zahn in Engler, Pflanzenr. 75: 116. 1921

Hieracium hypochoeroides subsp. *pseudograniticum* (Besse & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium wiesbaurianum* subsp. *pseudograniticum* Besse & Zahn in Bull. Murith. Soc. Valais. Sci. Nat. 32: 179. 1903 $\equiv$ *Hieracium pseudograniticum* (Besse & Zahn) Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 303. 1905.

Hieracium hypochoeroides subsp. *pseudowiesbaurianiforme* (K. Müll. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium wiesbaurianum* subsp. *pseudowiesbaurianiforme* K. Müll. & Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 353. 1931.

Hieracium hypochoeroides subsp. *retroversidens* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium wiesbaurianum* subsp. *retroversidens* Zahn in Engler, Pflanzenr. 75: 266. 1921.

Hieracium hypochoeroides subsp. *rudolphopolitanum* (Jochen Müll.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium rudolphopolitanum* Jochen Müll. in Haussknechtia 10: 134. 2004.

Hieracium hypochoeroides subsp. *semicinerascens* (Bornm. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium wiesbaurianum* subsp. *semicinerascens* Bornm. & Zahn in Magyar Bot. Lapok 25: 309. 1927.

Hieracium hypochoeroides subsp. *semiwiesbaurianum* (Gottschl.) Greuter, **comb. nov.** $\equiv$ *Hieracium wiesbaurianum* subsp. *semiwiesbaurianum* Gottschl. in Willdenowia 35: 235. 2005.

Hieracium hypochoeroides subsp. *strizakense* (O. Behr & al.) Greuter, **comb. nov.** $\equiv$ *Hieracium wiesbaurianum* subsp. *strizakense* O. Behr & al. in Glasn. Skopsk. Naučn. Društva 20: 25. 1939.

Hieracium hypochoeroides subsp. *subcinereum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** $\equiv$ *Hieracium bifidum* var. *subcinereum* Arv.-Touv. & Gaut., Hieracioth. 11: [in schedis] Gall. No. 645. 1900 $\equiv$ *Hieracium wiesbaurianum* subsp. *subcinereum* (Arv.-Touv. & Gaut.) Zahn, Hierac. Alp. Mar.: 152. 1916.

Hieracium hypochoeroides subsp. *supramontanum* (Arrigoni) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium supramontanum* Arrigoni in Boll. Soc. Sarda Sci. Nat. 24: 249. 1985.

Hieracium hypochoeroides subsp. *terrei* (de Retz) Greuter, **comb. nov.** $\equiv$ *Hieracium wiesbaurianum* subsp. *terrei* de Retz in Bull. Soc. Bot. France 112: 444. 1966.

Hieracium hypochoeroides subsp. *uazzanum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium wiesbaurianum* subsp. *uazzanum* Zahn in Engler, Pflanzenr. 75: 271. 1921.

Hieracium hypochoeroides subsp. *wiesbaurianiforme* Greuter, **nom. nov.** $\equiv$ *Hieracium wiesbaurianum* var. *euwiesbaurianiforme* Schack & Zahn in Mitth. Thüring. Bot. Vereins 41: 103. 1933 $\equiv$ *Hieracium euwiesbaurianiforme* (Schack & Zahn) Jochen Müll. in Haussknechtia 10: 136. 2004.

Hieracium hypochoeroides subsp. *wiesbaurianum* (R. Uechtr.) Greuter, **comb. nov.** $\equiv$ *Hieracium wiesbaurianum* R. Uechtr. in Baenitz, Herb. Eur. Prosp. 1879: 5. 1879 $\equiv$ *Hieracium wiesbaurianum* R. Uechtr. subsp. *wiesbaurianum* [per Besse & Zahn in Bull. Murith. Soc. Valais. Sci. Nat. 32: 179. 1903].

Hieracium immodestum Greuter, **nom. nov.** = *Hieracium schmidtii* var. *superbum* Strömf. in Öfvers. Kongl. Vetensk.-Akad. Förh. 41(8): 105. 1884 = *Hieracium pallidum* subsp. *superbum* (Strömf.) Zahn in Engler, Pflanzenr. 75: 217. 1921 = *Hieracium superbum* (Strömf.) Dahlst. in Ark. Bot. 3(10): 30. 1904 [non Peter 1884].

Hieracium inconspicuissimum Greuter, **nom. nov.** = *Hieracium inconspicuum* Wiinst. in Raunkiaer, Dansk Exkurs.-Fl., ed. 4: 318. 1922 [non Norrl. 1904].

Hieracium inuloides subsp. *subvirens* (Arv.-Touv.) Greuter, **comb. nov.** = *Hieracium subvirens* Arv.-Touv., Monogr. Pilosella & Hieracium, Suppl.: 31. 1876 = *Hieracium corymbosum* subsp. *subvirens* (Arv.-Touv.) Sudre, Hierac. Centre France: 38. 1902 = *Hieracium conicum* subsp. *subvirens* (Arv.-Touv.) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 685. 1906 = *Hieracium crocatum* subsp. *subvirens* (Arv.-Touv.) Zahn in Schinz & Keller, Fl. Schweiz, ed. 3, 2: 497. 1914.

Hieracium iteophyllum Greuter, **nom. nov.** = *Hieracium salicifolium* Lindeb., Skand. Hierac. [ed. poster.]: 25. 1877 [non Arv.-Touv. 1876] = *Hieracium aestivum* subsp. *salicifolium* (Lindeb.) Zahn in Engler, Pflanzenr. 79: 919. 1922.

Hieracium jankae subsp. *penzesii* (Pénzes) Greuter, **comb. & stat. nov.** = *Hieracium penzesii* Péntzes in Borbásia 1(10): 168. 1939.

Hieracium jordanii subsp. *eriosphaera* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium bombycinum* subsp. *eriosphaera* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 308. 1889 = *Hieracium eriosphaera* (Nägeli & Peter) Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 306. 1905.

Hieracium juranum subsp. *benthamianum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium benthamianum* Arv.-Touv. & Gaut., Hieracioth. 4: [in schedis] Gall. No. 250-253, Hisp. No. 59. 1898 = *Hieracium mougeotii* subsp. *benthamianum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 183. 1921 = *Hieracium vogesiacum* subsp. *benthamianum* (Arv.-Touv. & Gaut.) O. Bolòs & Vigo, Fl. Països Catal. 3: 1106. 1996.

Hieracium juranum subsp. *chrysanthemoides* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium chrysanthemoides* Arv.-Touv. & Gaut., Hieracioth. 4: [in schedis] Hisp. No. 47-49. 1898 = *Hieracium mougeotii* subsp. *chrysanthemoides* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 187. 1921 = *Hieracium vogesiacum* subsp. *chrysanthemoides* (Arv.-Touv. & Gaut.) O. Bolòs & Vigo, Fl. Països Catal. 3: 1106. 1996.

Hieracium juranum subsp. *conocerinthe* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium conocerinthe* Arv.-Touv. & Gaut., Hieracioth. 20: [in schedis] Hisp. No. 377-381. 1908 = *Hieracium mougeotii* subsp. *conocerinthe* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 182. 1921.

Hieracium juranum subsp. *doronicoides* (Arv.-Touv.) Greuter, **comb. nov.** = *Hieracium doronicoides* Arv.-Touv. in Bull. Soc. Bot. France 41: 340. 1894 = *Hieracium mougeotii* subsp. *doronicoides* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 75: 182. 1921 = *Hieracium vogesiacum* subsp. *doronicoides* (Arv.-Touv.) O. Bolòs & Vigo, Fl. Països Catal. 3: 1106. 1996.

Hieracium juranum subsp. *lagopinum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium lagopinum* Arv.-Touv. & Gaut., Hieracioth. 7: [in schedis] Hisp. No. 109. 1899 = *Hieracium mougeotii* subsp. *lagopinum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 187. 1921 = *Hieracium vogesiacum* subsp. *lagopinum* (Arv.-Touv. & Gaut.) O. Bolòs & Vigo, Fl. Països Catal. 3: 1106. 1996.

Hieracium juranum subsp. *pullatum* (Arv.-Touv.) Greuter, **comb. nov.** = *Hieracium pullatum* Arv.-Touv., Spicil. Rar. Hierac.: 40. 1886 = *Hieracium mougeotii* subsp. *pullatum* (Arv.-Touv.) Rouy, Fl. France 9: 306. 1905.

Hieracium juranum subsp. *stelliceps* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium mougeotii* subsp. *stelliceps* Zahn in Engler, Pflanzenr. 75: 187. 1921 $\equiv$ *Hieracium vogesiacum* subsp. *stelliceps* (Zahn) O. Bolòs & Vigo, Fl. Països Catal. 3: 1106. 1996.

Hieracium juranum subsp. *tournefortianum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** $\equiv$ *Hieracium tournefortianum* Arv.-Touv. & Gaut., Hieracioth. 7: [in schedis] Hisp. No. 89-94. 1899 $\equiv$ *Hieracium mougeotii* subsp. *tournefortianum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 75: 183. 1921 $\equiv$ *Hieracium vogesiacum* subsp. *tournefortianum* (Arv.-Touv. & Gaut.) O. Bolòs & Vigo, Fl. Països Catal. 3: 1106. 1996.

Hieracium jurassicum subsp. *adenocalathium* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 535. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium doronicifolium* grex *adenocalathium* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1876. 1901 $\equiv$ *Hieracium adenocalathium* (Zahn) Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 317. 1905 $\equiv$ *Hieracium juranum* subsp. *adenocalathium* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 634. 1906.

Hieracium jurassicum subsp. *aligerum* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 534. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* subsp. *aligerum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 625. 1906 $\equiv$ *Hieracium aligerum* (Zahn) Prain, Index Kew., Suppl. 4: 108. 1913.

Hieracium jurassicum subsp. *apiculatifrons* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* subsp. *apiculatifrons* Zahn in Engler, Pflanzenr. 77: 781. 1921.

Hieracium jurassicum subsp. *barbeyi* (Post) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium barbeyi* Post in Bull. Herb. Boissier 1: 24. 1893.

Hieracium jurassicum subsp. *boltigense* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* subsp. *boltigense* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 333. 1905 $\equiv$ *Hieracium boltigense* (Zahn) Prain, Index Kew., Suppl. 4: 109. 1913.

Hieracium jurassicum subsp. *borreri* (Syme) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium borreri* Syme in Smith, Engl. Bot., ed. 3, 5: 212. 1866.

Hieracium jurassicum subsp. *cichoriaceum* (Arv.-Touv.) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 536. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium cichoriaceum* Arv.-Touv., Monogr. Pilosella & Hieracium, Suppl.: 25. 1876 $\equiv$ *Hieracium juranum* subsp. *cichoriaceum* (Arv.-Touv.) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 632. 1906.

Hieracium jurassicum subsp. *decreseentifolium* (Murr & Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 535. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* subsp. *decreseentifolium* Murr & Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 629. 1906 $\equiv$ *Hieracium decreseentifolium* (Murr & Zahn) Prain, Index Kew., Suppl. 4: 111. 1913.

Hieracium jurassicum subsp. *densifloccum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* var. *densifloccum* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 329. 1905 $\equiv$ *Hieracium juranum* subsp. *densifloccum* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 625. 1906 $\equiv$ *Hieracium densifloccum* (Zahn) Prain, Index Kew., Suppl. 4: 111. 1913.

Hieracium jurassicum subsp. *elegantissimum* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 535. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium integrifolium* subsp. *elegantissimum* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1882. 1901 $\equiv$ *Hieracium juranum* subsp. *elegantissimum* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 627. 1906 $\equiv$ *Hieracium elegantissimum* (Zahn) Prain, Index Kew., Suppl. 4: 111. 1913.

Hieracium jurassicum subsp. *esseranum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium esseranum* Arv.-Touv. & Gaut., Hieracioth. 14: [in schedis] Hisp. No. 225-226. 1902 = *Hieracium juranum* subsp. *esseranum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 77: 784. 1921.

Hieracium jurassicum subsp. *hegetschweileri* (Zahn) Greuter, **comb. nov.** = *Hieracium hegetschweileri* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1895. 1901 = *Hieracium juranum* subsp. *hegetschweileri* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 624. 1906.

Hieracium jurassicum subsp. *hemiplecoides* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium hemiplecoides* Arv.-Touv. & Gaut., Hieracioth. 5: [in schedis] Gall. No. 300. 1898 = *Hieracium juranum* subsp. *hemiplecoides* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 77: 783. 1921.

Hieracium jurassicum subsp. *hemiplecum* (Arv.-Touv.) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 535. 1956, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium hemiplecum* Arv.-Touv. in Bull. Soc. Dauphin. Echange Pl.: 105. 1877 = *Hieracium juranum* subsp. *hemiplecum* (Arv.-Touv.) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 627. 1906.

Hieracium jurassicum subsp. *jaceoides* (Arv.-Touv.) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 536. 1956, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium jaceoides* Arv.-Touv., Monogr. Pilosella & Hieracium: 40. 1873 = *Hieracium juranum* subsp. *jaceoides* (Arv.-Touv.) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1878. 1901 = *Hieracium integrifolium* subsp. *jaceoides* (Arv.-Touv.) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 638. 1906.

Hieracium jurassicum subsp. *lancifrons* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 536. 1956, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium juranum* subsp. *lancifrons* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 330. 1905 = *Hieracium lancifrons* (Zahn) Prain, Index Kew., Suppl. 4: 114. 1913.

Hieracium jurassicum subsp. *leiophyton* (Dahlst.) Greuter, **comb. nov.** = *Hieracium leiophyton* Dahlst. in Lindman, Sv. Fanerogamfl.: 627. 1918 = *Hieracium juranum* subsp. *leiophyton* (Dahlst.) Zahn in Engler, Pflanzenr. 77: 785. 1921.

Hieracium jurassicum subsp. *multiserratum* (Zahn) Greuter, **comb. nov.** = *Hieracium juranum* subsp. *multiserratum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 633. 1906 = *Hieracium multiserratum* (Zahn) Prain, Index Kew., Suppl. 4: 116. 1913.

Hieracium jurassicum subsp. *obesum* (Zahn) Greuter, **comb. nov.** = *Hieracium juranum* subsp. *obesum* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 333. 1905 = *Hieracium obesum* (Zahn) Prain, Index Kew., Suppl. 4: 117. 1913.

Hieracium jurassicum subsp. *papyraceum* (Zahn) Greuter, **comb. nov.** = *Hieracium juranum* subsp. *papyraceum* Zahn in Engler, Pflanzenr. 77: 787. 1921 [non *Hieracium papyraceum* Gren. 1869].

Hieracium jurassicum subsp. *perfoliatiforme* (Zahn) Greuter, **comb. nov.** = *Hieracium juranum* subsp. *perfoliatiforme* Zahn in Engler, Pflanzenr. 77: 787. 1921.

Hieracium jurassicum subsp. *prenanthopsis* (Murr & Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 535. 1956, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium juranum* subsp. *prenanthopsis* Murr & Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1878. 1901 = *Hieracium prenanthopsis* (Murr & Zahn) Prain, Index Kew., Suppl. 4: 118. 1913.

Hieracium jurassicum subsp. *pseudalbinum* (R. Uechtr.) Greuter, **comb. nov.** $\equiv$ *Hieracium pseudalbinum* R. Uechtr. in Jahresber. Schles. Ges. Vaterl. Cult. 62: 314. 1884 $\equiv$ *Hieracium juranum* subsp. *pseudalbinum* (R. Uechtr.) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1879. 1901.

Hieracium jurassicum subsp. *pseudelatum* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 534. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* var. *pseudelatum* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 329. 1905 $\equiv$ *Hieracium juranum* subsp. *pseudelatum* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 623. 1906 $\equiv$ *Hieracium pseudelatum* (Zahn) Prain, Index Kew., Suppl. 4: 119. 1913.

Hieracium jurassicum subsp. *pseudohemiplecum* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 535. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium integrifolium* subsp. *pseudohemiplecum* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1883. 1901 $\equiv$ *Hieracium juranum* subsp. *pseudohemiplecum* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 628. 1906 $\equiv$ *Hieracium pseudohemiplecum* (Zahn) Prain, Index Kew., Suppl. 4: 119. 1913.

Hieracium jurassicum subsp. *pseudojuranum* (Arv.-Touv.) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 535. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium pseudojuranum* Arv.-Touv., Monogr. Pilosella & Hieracium, Suppl.: 24. 1876 $\equiv$ *Hieracium juranum* subsp. *pseudojuranum* (Arv.-Touv.) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1878. 1901.

Hieracium jurassicum subsp. *subperfoliatum* (Arv.-Touv.) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 534. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium perfoliatum* Arv.-Touv. in Bull. Soc. Dauphin. Echange Pl.: 88. 1880 [non Froel. 1838] $\equiv$ *Hieracium subperfoliatum* Arv.-Touv., Notes Pl. Alpes: 12. 1883 $\equiv$ *Hieracium juranum* subsp. *subperfoliatum* (Arv.-Touv.) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1878. 1901.

Hieracium jurassicum subsp. *tamderense* (Hub.-Mor.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium tamderense* Hub.-Mor. in Notes Roy. Bot. Gard. Edinburgh 33: 246. 1974.

Hieracium jurassicum subsp. *tephroprenanthes* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* subsp. *tephroprenanthes* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 633. 1906 $\equiv$ *Hieracium tephroprenanthes* (Zahn) Prain, Index Kew., Suppl. 4: 122. 1913.

Hieracium jurassicum subsp. *urezzae* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 536. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* subsp. *urezzae* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 632. 1906 $\equiv$ *Hieracium urezzae* (Zahn) Prain, Index Kew., Suppl. 4: 122. 1913.

Hieracium klisurae subsp. *caparinum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pseuderiopos* subsp. *caparinum* Zahn in Engler, Pflanzenr. 79: 1073. 1922 $\equiv$ *Hieracium pojoritense* subsp. *caparinum* (Zahn) Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 705. 1938.

Hieracium klisurae subsp. *pseuderiopos* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pseuderiopos* Zahn in Engler, Pflanzenr. 79: 1073. 1922 $\equiv$ *Hieracium pseuderiopos* Zahn subsp. *pseuderiopos* [per Zahn in Engler, Pflanzenr. 79: 1073. 1922] $\equiv$ *Hieracium pojoritense* subsp. *pseuderiopos* (Zahn) Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 704. 1938.

Hieracium kuekenthalianum subsp. *amaurocranium* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium intermedium* Gus. Schneid. in Deutsche Bot. Monatsschr. 6: 122. 1888 [non Lapeyr. 1813] $\equiv$ *Hieracium tephrosoma* subsp. *amaurocranium* Zahn in Engler, Pflanzenr. 77: 697. 1921 $\equiv$ *Hieracium amaurocranium* (Zahn) Holub in Preslia 51: 281. 1979.

Hieracium kuekenthalianum subsp. *andreanszkyanum* (F. Kováts) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium andreanszkyanum* F. Kováts in Borbásia 5-6: 77. 1946.

Hieracium kuekenenthalianum subsp. **brachypogon** (Zahn) [Hub.-Mor. in Bauhinia 4: 153. 1971, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium dolichaetum* subsp. *brachypogon* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1850. 1901 = *Hieracium brachypogon* (Zahn) Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 315. 1905 = *Hieracium bocconeii* subsp. *brachypogon* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 557. 1906 = *Hieracium tephrosoma* subsp. *brachypogon* (Zahn) Zahn in Engler, Pflanzenr. 77: 697. 1921.

Hieracium kuekenenthalianum subsp. **tephrosoma** (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium ctenodon* subsp. *tephrosoma* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 206. 1886 = *Hieracium tephrosoma* (Nägeli & Peter) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1853. 1901.

Hieracium kuekenenthalianum subsp. **trivialiforme** (Zahn) [Hub.-Mor. in Bauhinia 4: 153. 1971, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium tephrosoma* subsp. *trivialiforme* Zahn in Engler, Pflanzenr. 77: 697. 1921 [non *Hieracium trivialiforme* Schljakov 1966].

Hieracium kuekenenthalianum subsp. **valsicum** (Kaeser & Zahn) Greuter, **comb. nov.** = *Hieracium valsicum* Kaeser & Zahn in Zahn, Hieracioth. Eur. 8: 21. 1913 = *Hieracium tephrosoma* subsp. *valsicum* (Kaeser & Zahn) Zahn in Engler, Pflanzenr. 77: 697. 1921.

Hieracium lachenalii subsp. **alpestre** (R. Uechtr.) Greuter, **comb. nov.** = *Hieracium vulgatum* var. *alpestre* R. Uechtr. in Fiek, Fl. Schlesien [2]: 276. 1881 [non *Hieracium alpestre* Jacq. 1774] = *Hieracium vulgatum* subsp. *alpestre* (R. Uechtr.) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 406. 1906 = *Hieracium vulgatum* subsp. *ficinii* Zahn in Engler, Pflanzenr. 76: 386. 1921, nom. illeg.

Hieracium lachenalii subsp. **argillaceoides** (Litv. & Zahn) Greuter, **comb. nov.** = *Hieracium vulgatum* subsp. *argillaceoides* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 239. 1907 = *Hieracium argillaceoides* (Litv. & Zahn) Üksip in Komarov, Fl. SSSR 30: 269. 1960.

Hieracium lachenalii subsp. **cladophorum** (Vuk.) Greuter, **comb. nov.** = *Hieracium platyphyllopodium* f. *cladophorum* Vuk., Hierac. Croat.: 13. 1858 = *Hieracium cladophorum* (Vuk.) Vuk. in Rad Jugoslav. Akad. Znan. 34: 18. 1876 = *Hieracium divisum* subsp. *cladophorum* (Vuk.) Zahn in Ann. Hist.-Nat. Mus. Natl. Hung. 8: 62. 1910 = *Hieracium diaphanoides* subsp. *cladophorum* (Vuk.) Zahn in Engler, Pflanzenr. 76: 358. 1921.

Hieracium lachenalii subsp. **deductum** (Sudre) Greuter, **comb. nov.** = *Hieracium deductum* Sudre in Bull. Assoc. Pyrén. Echange Pl. 8: 12. 1898 = *Hieracium vulgatum* subsp. *deductum* (Sudre) Sudre, Hierac. Centre France: 57. 1902.

Hieracium lachenalii subsp. **epichlorum** (Litv. & Zahn) Greuter, **comb. nov.** = *Hieracium vulgatum* var. *epichlorum* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 238. 1907 = *Hieracium vulgatum* subsp. *epichlorum* (Litv. & Zahn) Zahn in Spisok Rast. Gerb. Russk. Fl. Bot. Muz. Imp. Akad. Nauk Fasc. 42: 22. 1909 = *Hieracium epichlorum* (Litv. & Zahn) Üksip in Komarov, Fl. SSSR 30: 30. 1960.

Hieracium lachenalii subsp. **erythropodium** (R. Uechtr.) Greuter, **comb. nov.** = *Hieracium erythropodium* R. Uechtr. in Fiek, Fl. Schlesien [2]: 272. 1881 = *Hieracium vulgatum* subsp. *erythropodium* (R. Uechtr.) Zahn in Engler, Pflanzenr. 76: 375. 1921.

Hieracium lachenalii subsp. **gustavianum** (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium gustavianum* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 496. 1959.

Hieracium lachenalii subsp. **hypopitys** (Litv. & Zahn) Greuter, **comb. nov.** = *Hieracium divisum* subsp. *hypopitys* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 237. 1907 = *Hieracium vulgatum* subsp. *hypopitys* (Litv. & Zahn) Zahn in Engler, Pflanzenr. 76: 368. 1921 = *Hieracium hypopitys* (Litv. & Zahn) Üksip in Komarov, Fl. SSSR 30: 261. 1960.

Hieracium lachenalii subsp. *juratzkanum* (Zahn) Greuter, **comb. nov.** = *Hieracium vulgatum* subsp. *juratzkanum* Zahn in Engler, Pflanzenr. 76: 368. 1921 = *Hieracium juratzkanum* (Zahn) Schljakov in Cvelev, Fl. Evr. Časti SSSR 8: 248. 1989.

Hieracium lachenalii subsp. *lepidiceps* (Dahlst.) Greuter, **comb. nov.** = *Hieracium irriguum* subsp. *lepidiceps* Dahlst. in Kongl. Svenska Vetensk. Acad. Handl., ser. 2, 26(3): 128. 1894 = *Hieracium lepidiceps* (Dahlst.) Prain, Index Kew., Suppl. 5: 129. 1921 = *Hieracium vulgatum* subsp. *lepidiceps* (Dahlst.) Zahn in Engler, Pflanzenr. 76: 372. 1921.

Hieracium lachenalii subsp. *lortetiae* (Balb.) Greuter, **comb. & stat. nov.** = *Hieracium lortetiae* Balb., Fl. Lyon. 1: 450. 1827.

Hieracium lachenalii subsp. *macrophyllopodum* (Zahn) Greuter, **comb. nov.** = *Hieracium vulgatum* subsp. *macrophyllopodum* Zahn in Věstn. Tiflissk. Bot. Sada 22: 28. 1912 = *Hieracium macrophyllopodum* (Zahn) Üksip in Komarov, Fl. SSSR 30: 255. 1960.

Hieracium lachenalii subsp. *mertinii* (C. C. Gmel.) Gottschl., **comb. & stat. nov.** = *Hieracium mertinii* C. C. Gmel., Fl. Bad. 4: 581. 1826.

This taxon corresponds to “*Hieracium lachenalii* subsp. *lachenalii*” in the sense of Zahn and subsequent authors. However, the type *H. lachenalii* Suter, recently traced (details to be published elsewhere), belongs to the taxon generally known as *H. lachenalii* subsp. *jaccardii* (Zahn) Zahn. The foregoing combination is therefore necessary. G. Gottschlich

Hieracium lachenalii subsp. *obscuriceps* (Dahlst.) Greuter, **comb. nov.** = *Hieracium irriguum* subsp. *obscuriceps* Dahlst. in Kongl. Svenska Vetensk. Acad. Handl., ser. 2, 26(3): 141. 1894 = *Hieracium obscuriceps* (Dahlst.) Prain, Index Kew., Suppl. 5: 131. 1921 [non (Nägeli & Peter) Prain 1913] = *Hieracium vulgatum* subsp. *subobscuriceps* Zahn in Engler, Pflanzenr. 76: 374. 1921, nom. illeg. = *Hieracium lachenalii* subsp. *subobscuriceps* Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 562. 1934, nom. illeg. = *Hieracium subobscuriceps* Üksip in Komarov, Fl. SSSR 30: 251. 1960.

Hieracium lachenalii subsp. *subhastulatum* (Zahn) Greuter, **comb. nov.** = *Hieracium vulgatum* subsp. *subhastulatum* Zahn in Věstn. Tiflissk. Bot. Sada 22: 28. 1912 = *Hieracium subhastulatum* (Zahn) Üksip in Komarov, Fl. SSSR 30: 257. 1960.

Hieracium lachenalii subsp. *violascens* (Dahlst.) Greuter, **comb. nov.** = *Hieracium murorum* subsp. *violascens* Dahlst. in Bot. Not. 1892: 164. 1892 = *Hieracium violascens* (Dahlst.) Dahlst. in Lindman, Sv. Fanerogamfl.: 626. 1918 [non Borbás 1878] = *Hieracium vulgatum* subsp. *violascens* (Dahlst.) Zahn in Engler, Pflanzenr. 76: 378. 1921 = *Hieracium vulgatum* subsp. *almquistianum* Zahn in Engler, Pflanzenr. 79: 1145. 1922, nom. illeg. = *Hieracium almquistianum* Johanss. in Ark. Bot. 21A(15): 54. 1927 = *Hieracium subviolascens* P. D. Sell in Sell & Murrell, Fl. Great Britain & Ireland 4: 551. 2006, nom. illeg.

Hieracium laevigatum subsp. *achalzichiense* (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium achalzichiense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 473. 1959.

Hieracium laevigatum subsp. *glareosum* (Lönnr.) Greuter, **comb. nov.** = *Hieracium rigidum* subsp. *glareosum* Lönnr. in Öfvers. Kongl. Vetensk.-Akad. Förh. 39(4): 87. 1882 = *Hieracium rigidum* subsp. *mixopolium* Dahlst. in Kongl. Svenska Vetensk. Acad. Handl., ser. 2, 26(3): 224. 1894, nom. illeg. = *Hieracium mixopolium* Dahlst., Herb. Hierac. Scand. 10: [in schedis] No. 89. 1896 = *Hieracium laevigatum* subsp. *mixopolium* (Dahlst.) Zahn in Engler, Pflanzenr. 79: 881. 1922.

Hieracium laevigatum subsp. *hypopityforme* (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium hypopityforme* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 495. 1959.

Hieracium laevigatum subsp. *leucothyrsus* (Litv. & Zahn) Greuter, **comb. nov.** = *Hieracium knafii* subsp. *leucothyrsus* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 240. 1907 = *Hieracium levicaule* subsp. *leucothyrsus* (Litv. & Zahn) Zahn in Engler, Pflanzenr. 77: 859. 1921 = *Hieracium leucothyrsus* (Litv. & Zahn) Üksip in Komarov, Fl. SSSR 30: 106. 1960.

Hieracium lazistanum subsp. *leithneri* (Boiss.) Greuter, **comb. nov.** = *Hieracium sartorianum* var. *leithneri* Boiss., Fl. Orient., Suppl.: 328. 1888 = *Hieracium colophyllum* subsp. *leithneri* (Boiss.) Nägeli & Peter, Hierac. Mitt.-Eur. 2: 315. 1889 = *Hieracium leithneri* (Boiss.) Peter in Engler & Prantl, Nat. Pflanzenfam. 4(5): 384. 1894.

Hieracium lazistanum subsp. *marotii* (T. Georgiev & Zahn) Greuter, **comb. & stat. nov.** = *Hieracium marotii* T. Georgiev & Zahn in Izv. Bulg. Bot. Druž. 6: 74. 1934.

Hieracium lazistanum subsp. *pelliculatiforme* (Zahn) Greuter, **comb. nov.** = *Hieracium vandasii* subsp. *pelliculatiforme* Zahn in Magyar Bot. Lapok 8: 301. 1910 = *Hieracium leithneri* subsp. *pelliculatiforme* (Zahn) Zahn in Engler, Pflanzenr. 77: 586. 1921.

Hieracium lazistanum subsp. *velenovskyanum* (Zahn) Greuter, **comb. nov.** = *Hieracium skorpii* Velen., Reliq. Mirkvič.: 17. 1922 [non Freyn 1891] = *Hieracium leithneri* subsp. *velenovskyanum* Zahn in Arh. Minist. Zeml. Džr. Imoti 4-5 [= Stojanov & Stefanov, Fl. Bălg.]: 1246. 1925.

Hieracium legionense subsp. *cantabrimontanum* (de Retz) Greuter, **comb. nov.** = *Hieracium gastonianum* subsp. *cantabrimontanum* de Retz in Bull. Soc. Bot. France, Lett. Bot. 127: 84. 1980 = *Hieracium cantabrimontanum* (de Retz) Mateo in Anales Jard. Bot. Madrid 54: 367. 1996 [incl. *Hieracium gastonianum* subsp. *pseudodulacianum* de Retz, l.c. = *Hieracium pseudodulacianum* (de Retz) Mateo, l.c.].

Hieracium leiopogon subsp. *iolai* (Arrigoni) Greuter, **comb. & stat. nov.** = *Hieracium iolai* Arrigoni in Boll. Soc. Sarda Sci. Nat. 24: 231. 1985.

Hieracium levicaule subsp. *campylodon* (Zahn) Greuter, **comb. nov.** = *Hieracium caesium* subsp. *campylodon* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 478. 1906 = *Hieracium levicaule* subsp. *campylodontum* (Zahn) Zahn in Engler, Pflanzenr. 76: 402. 1921, nom. illeg.

Hieracium levicaule subsp. *erubescens* (Boreau) Greuter, **comb. & stat. nov.** = *Hieracium erubescens* Boreau, Fl. Centre France, ed. 3, 2: 398. 1857.

Hieracium levicaule subsp. *gudergomiense* (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium gudergomiense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 492. 1959.

Hieracium levicaule subsp. *gudissiense* (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium gudissiense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 488. 1959.

Hieracium levicaule subsp. *karjaginii* (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium karjaginii* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 489. 1959.

Hieracium levicaule subsp. *lepidulum* (Dahlst.) Greuter, **comb. nov.** = *Hieracium lepidulum* Dahlst., Herb. Hierac. Scand. 2: [in schedis] No. 77. 1892 [= *Hieracium* [subsp.] *lepidulum* Stenstr., Värmländsk. Archierac.: 50. 1889, nom. inval.] = *Hieracium vulgatum* subsp. *lepidulum* (Dahlst.) Zahn in Engler, Pflanzenr. 76: 379. 1921.

Hieracium levicaule subsp. *leptogrammoides* (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium leptogrammoides* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 502. 1959.

Hieracium levicaule subsp. *lipskyanum* (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium lipskyanum* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 494. 1959.

Hieracium levicaule subsp. *sbaënsae* (Üksip) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium sbaënsae* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 502. 1959.

Hieracium levicaule subsp. *sublonchodes* [Murr & Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 709. 1935, descr. germ.] Murr & Zahn, **subsp. nov.** – Holotype: Germany, Bavaria, “Grammersberg am Scharfreiter”, Harz (M). – Description: “Folia quam in subsp. *lonchodes* Murr & Zahn minora, firma, superne pilosa vel glabra, oblongo-ovata vel oblongo-lanceolata, vix denticulata vel $\pm$ breviserrata; caulina 3-5, oblongo-lanceolata vel linearia, (superiora utrinque) floccosa. Capitula 3-10, acladium 1-3 cm longum, pedunculi leviter pilosi, saepe $\pm$ eglandulosi. Involucrum 9-10 mm longum, obscurum, parce vel ditius floccosum et pilosum, pauciglandulosum; squamae angustae vel sublatiusculae, acutissimae vel $\pm$ obtusae, $\pm$ viridimarginatae. Stylus initio flavobrunneum.” – H. Zahn.

Hieracium levicaule subsp. *uczanssuense* (Üksip) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium uczanssuense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 487. 1959.

Hieracium leptoviense subsp. *amaurosphaera* [Vetter & Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 194. 1936, descr. germ.] Vetter & Zahn, **subsp. nov.** – Holotype: Austria, “Steirisch-kärntnerisches Grenzgebiet, unter Gestrüpp nächst der Winklalm bei Turrach”, 10.7.1931, Vetter (W-1950-3322). – Description: “Subspeciei *amaurothecae* simile sed folia oblongo-ovata vel ovato- vel elliptico-lanceolata, magna (interdum maxima), basi breviter vel longe angustata, grosse pluridentata vel copiose serrata, brevissime pilosa (superne plerumque glabra), olivaceo- et dorso caesio-virentia; caulis glaber foliis 1-2 ellipticis vel elongato-lanceolatis (vel superiore angusto), magnis, grosse acute dentatis. Capitula 3-7(-16); acladium 2 cm longum; rami 2-3(-5). Glandulae copiosae, elongatae vel saepe $\pm$ breves et $\pm$ subtiles. Involucrum 10-12 mm longum, crassum; squamae $\pm$ latiusculae, obtusiusculae vel acutae, atrae, interiores $\pm$ viridi-marginatae, exteriores infra parce floccosae. Flores eciliati.” – H. Zahn.

Hieracium leptoviense subsp. *coinotokum* [O. Behr, E. Behr & Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 193. 1936, descr. germ.] O. Behr, E. Behr & Zahn, **subsp. nov.** – Holotype: Slovakia, “Hohe Tatra, zwischen Popper- und Csorber See”, 18.7.1931, Behr & Behr (W-1950-3319). – Description: “30-40 cm altum, (1-)3-5(-8)-cephalum; acladium 15-50(-80) mm longum; rami (0-)2-3(-4) dissiti, 1(1)-cephali; pedunculi grisei, pilis 1-2 mm longis interdum sat copiosis, vix vel modice parvoglandulosi, bracteis 2-3 longis et angustis; involucrum 10-12 mm longum, valde pilosum, pauciglandulosum; squamae $\pm$ latiusculae, longissime acuminatae, acutiusculae vel acutissimae, intimae angustissimae. Flores $\pm$ angusti, profunde dentati. Folia flavescenti-prasoviridia dorso albescenticaesia; basalia oblonga et obtusiuscula vel longe lanceolata et acuta, basi breviter vel longissime angustata, superne glabra, denticulata vel plurima cum caulinis inferioribus 1-2 (anguste lanceolatis) breviter vel longius serrata, dentibus numerosis saepe angustis, acutis, prorsus curvatis; folium caulinum summum angustum margine integrum.” – H. Zahn.

Hieracium litwinowianum subsp. *ermaniense* (Üksip) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium ermaniense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 469. 1959.

Hieracium longifolium subsp. *neocerinthoides* (Arv.-Touv. & Briq.) Greuter, **comb. nov.** $\equiv$ *Hieracium neocerinthoides* Arv.-Touv. & Briq. in Annuaire Conserv. Jard. Bot. Genève 3: 138. 1899 $\equiv$ *Hieracium misaucinum* subsp. *neocerinthoides* (Arv.-Touv. & Briq.) Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 302. 1905 $\equiv$ *Hieracium vogesiacum* subsp. *neocerinthoides* (Arv.-Touv. & Briq.) Zahn in Schinz & Keller, Fl. Schweiz, ed. 3, 2: 443. 1914.

Hieracium loscosianum subsp. *bujedoanum* (Arv.-Touv.) Greuter, **comb. nov.** $\equiv$ *Hieracium bujedoanum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 310. 1913 $\equiv$ *Hieracium baeticum* subsp. *bujedoanum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 75: 200. 1921.

Hieracium loscosianum subsp. *capillosum* (Pau) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium capillosum* Pau in Bol. Soc. Aragonesa Ci. Nat. 2: 286. 1903.

Hieracium loscosianum subsp. *saxicapellum* (Arv.-Touv. & Gand.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium saxicapellum* Arv.-Touv. & Gand. in Arvet-Touvet, Hier. Gall. Hisp. Cat.: 164. 1913.

Hieracium lucidum subsp. *cophanense* (Lojac.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium cophanense* Lojac., Fl. Sicula 2(1): 218. 1903.

Hieracium macilentum subsp. *beauverdianum* (Besse & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium daronicifolium* subsp. *beauverdianum* Besse & Zahn in Bull. Murith. Soc. Valais. Sci. Nat. 32: 182. 1903 $\equiv$ *Hieracium beauverdianum* (Besse & Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 642. 1906 $\equiv$ *Hieracium epimedium* subsp. *beauverdianum* (Besse & Zahn) Zahn in Engler, Pflanzenr. 77: 803. 1921.

Hieracium macilentum subsp. *crepidodon* (Wilczek & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium epimedium* subsp. *crepidodon* Wilczek & Zahn in Bull. Murith., Soc. Valais. Sci. Nat. 42: 202. 1925.

Hieracium macilentum subsp. *epimedium* (Fr.) Greuter, **comb. nov.** $\equiv$ *Hieracium epimedium* Fr. in Uppsala Univ. Årsskr. 1862: 103. 1862 $\equiv$ *Hieracium epimedium* Fr. subsp. *epimedium* [per Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 649. 1906].

Hieracium macilentum subsp. *fariniceps* (Besse & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium beauverdianum* subsp. *fariniceps* Besse & Zahn in Reichenbach, Icon. Fl. Germ. Helv. 19(2): 252. 1910 [non *Hieracium fariniceps* Dahlst. 1894] $\equiv$ *Hieracium epimedium* subsp. *subfariniceps* Zahn in Engler, Pflanzenr. 77: 806. 1921, nom. illeg.

Hieracium macilentum subsp. *pseudexilentum* (Besse & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium beauverdianum* subsp. *pseudexilentum* Besse & Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 643. 1906 $\equiv$ *Hieracium pseudexilentum* (Besse & Zahn) Prain, Index Kew., Suppl. 4: 119. 1913 $\equiv$ *Hieracium epimedium* subsp. *pseudexilentum* (Besse & Zahn) Zahn in Engler, Pflanzenr. 77: 803. 1921.

Hieracium macilentum subsp. *sparsipilum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium sparsipilum* (Zahn) Prain, Index Kew., Suppl. 4: 120. 1913 $\equiv$ *Hieracium juranum* subsp. *sparsipilum* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 332. 1905 $\equiv$ *Hieracium juraniforme* subsp. *sparsipilum* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 648. 1906 $\equiv$ *Hieracium epimedium* subsp. *sparsipilum* (Zahn) Zahn in Engler, Pflanzenr. 77: 808. 1921.

Hieracium macilentum subsp. *stauai* (Belli) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium stauai* Belli in Fiori & Paoletti, Fl. Italia 3: 472. 1904.

Hieracium macilentum subsp. *subepimedium* (Murr & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* subsp. *subepimedium* Murr & Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1881. 1901 $\equiv$ *Hieracium epimedium* subsp. *subepimedium* (Murr & Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 649. 1906 $\equiv$ *Hieracium subepimedium* (Murr & Zahn) Prain, Index Kew., Suppl. 4: 121. 1913.

Hieracium macilentum subsp. *subvulsum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium integrifolium* subsp. *subvulsum* Zahn in Schinz & Keller, Fl. Schweiz, ed. 3, 2: 480. 1914.

Hieracium macilentum subsp. *wimmeri* (R. Uechtr.) Greuter, **comb. nov.** $\equiv$ *Hieracium wimmeri* R. Uechtr. in Österr. Bot. Z. 22: 277. 1872 $\equiv$ *Hieracium juranum* subsp. *wimmeri* (R. Uechtr.) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1881. 1901 $\equiv$ *Hieracium epimedium* subsp. *wimmeri* (R. Uechtr.) Zahn in Schinz & Keller, Fl. Schweiz, ed. 3, 2: 481. 1914.

Hieracium macilentum subsp. *wimmerioides* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium juranum* var. *wimmerioides* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 332. 1905 $\equiv$ *Hieracium wimmeri*

subsp. *wimmerioides* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 651. 1906 ≡ *Hieracium wimmerioides* (Zahn) Prain, Index Kew., Suppl. 4: 122. 1913 ≡ *Hieracium epimedium* subsp. *wimmerioides* (Zahn) Zahn in Schinz & Keller, Fl. Schweiz, ed. 3, 2: 481. 1914.

Hieracium maculatum subsp. *arrectariicaule* (Sudre) Greuter, **comb. nov.** ≡ *Hieracium vulgatum* prol. *arrectariicaule* Sudre, Hierac. Centre France: 61. 1902 ≡ *Hieracium vulgatum* subsp. *arrectariicaule* (Sudre) Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 287. 1905.

Hieracium maculatum subsp. *cuspidatoides* (Arv.-Touv.) [O. Bolòs & Vigo, Fl. Països Catal. 3: 1063. 1996, **comb. inval.**, ex] Greuter, **comb. & stat. nov.** ≡ *Hieracium cuspidatoides* Arv.-Touv., Hier. Gall. Hisp. Cat.: 345. 1913.

Hieracium maculatum subsp. *inquinatum* (Boreau) Greuter, **comb. & stat. nov.** ≡ *Hieracium inquinatum* Boreau, Fl. Centre France, ed. 3, 2: 404. 1857.

Hieracium maculatum subsp. *intersitum* (Boreau) Greuter, **comb. & stat. nov.** ≡ *Hieracium intersitum* Boreau, Fl. Centre France, ed. 3, 2: 409. 1857.

Hieracium mattirolianum subsp. *farinulentiforme* (Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium farinulentiforme* Zahn, Hierac. Alp. Mar.: 202. 1916.

Hieracium mattirolianum subsp. *martellianum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium farinulentiforme* subsp. *martellianum* Zahn in Engler, Pflanzenr. 76: 532. 1921 ≡ *Hieracium martellianum* (Zahn) Arrigoni in Boll. Soc. Sarda Sci. Nat. 24: 257. 1985.

Hieracium melanops subsp. *mairanum* (Belli) Greuter, **comb. & stat. nov.** ≡ *Hieracium mairanum* Belli in Fiori & Paoletti, Fl. Italia 3: 491. 1904 ≡ *Hieracium ferrarii* Zahn in Engler, Pflanzenr. 76: 522. 1921, **nom. illeg.**

Hieracium murorum subsp. *abastumanense* (Üksip) Greuter, **comb. & stat. nov.** ≡ *Hieracium abastumanense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 511. 1959.

Hieracium murorum subsp. *adenoactis* (Üksip) Greuter, **comb. & stat. nov.** ≡ *Hieracium adenoactis* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 513. 1959.

Hieracium murorum subsp. *atrovirens* (Froel.) Raimondo & Di Gristina, **comb. & stat. nov.** ≡ *Hieracium atrovirens* Froel. in Candolle, Prodr. 7: 231. 1838. – Lectotype (or neotype?, designated here): Specimen with two labels, (1) “3 *Hieracium atrovirens* Dec. pr. 7. p. 231. n. 121. Guss. Syn. 2. p. 403. Julio Augusto [18]26”, and (2) “*Hieracium murorum*, non quod[?] calycis foliola interna acuta vel acuminata. Luglio – Madonie al vallone dell’acqua del Canale”, [Gussone] (NAP, Herb. Gussonei Siculum).

We consider this subspecies to be endemic to the Madonie Mts in Sicily. Use of the epithet *atrovirens* for non-Sicilian plants is due to error. Detailed considerations on the morphology and distribution of the taxon, and the rationale for our choice of type, will be provided in full in a separate, forthcoming paper.

F. M. Raimondo & E. Di Gristina

Hieracium murorum subsp. *gentiliforme* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium sylvaticum* subsp. *gentiliforme* Zahn in Ann. K.K. Naturhist. Hofmus. 23: 200. 1909 ≡ *Hieracium gentiliforme* (Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 431. 1975.

Hieracium murorum subsp. *kreczetoviczii* (Üksip) Greuter, **comb. & stat. nov.** ≡ *Hieracium kreczetoviczii* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 512. 1959.

Hieracium murorum subsp. *pallescentifrons* (K. Malý & Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium pallescentifrons* K. Malý & Zahn in Glasn. Zemaljsk. Muz. Bosni Hercegovini 37: 55. 1925.

Hieracium murorum subsp. *samnaunicum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium atratum* subsp. *samnaunicum* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1848. 1901 $\equiv$ *Hieracium samnaunicum* (Zahn) Prain, Index Kew., Suppl. 4: 120. 1913.

Hieracium murorum subsp. *sylvivagum* (Boreau) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium sylvivagum* Boreau, Fl. Centre France, ed. 3, 2: 417. 1857.

Hieracium neomarginatum P. D. Sell, **nom. nov.** $\equiv$ *Hieracium marginatum* P. D. Sell & C. West in Watsonia 6: 304. 1967 [non Froel. 1838].

Hieracium obscuratum subsp. *nigratum* (Murr & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythropodum* subsp. *nigratum* Murr & Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 644. 1906 $\equiv$ *Hieracium nigratum* (Murr & Zahn) Prain, Index Kew., Suppl. 4: 116. 1913 $\equiv$ *Hieracium haematopodum* subsp. *nigratum* (Murr & Zahn) Zahn in Schinz & Keller, Fl. Schweiz, ed. 3, 2: 483. 1914.

Hieracium obscuratum subsp. *pedatifolium* (Omang) Greuter, **comb. nov.** $\equiv$ *Hieracium pedatifolium* Omang in Nyt Mag. Naturvidensk. 48: 209. 1910 $\equiv$ *Hieracium haematopodum* subsp. *pedatifolium* (Omang) Zahn in Engler, Pflanzenr. 77: 799. 1921.

Hieracium oroglaucum subsp. *stenoglossophyllum* (O. Behr & al.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium stenoglossophyllum* O. Behr & al. in Glasn. Skopsk. Naučn. Društva 18: 66. 1937.

Hieracium pallescens subsp. *anthyllidifolium* (Murr) Greuter, **comb. nov.** $\equiv$ *Hieracium anthyllidifolium* Murr in Österr. Bot. Z. 43: 222. 1893 $\equiv$ *Hieracium incisum* subsp. *anthyllidifolium* (Murr) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1799. 1901.

Hieracium pallescens subsp. *golesnicae* (O. Behr & al.) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *golesnicae* O. Behr & al. in Glasn. Skopsk. Naučn. Društva 18: 58. 1937.

Hieracium pallescens subsp. *hittense* (Murr) Greuter, **comb. nov.** $\equiv$ *Hieracium murrianum* subsp. *hittense* Murr in Deutsche Bot. Monatsschr. 16: 5. 1898 $\equiv$ *Hieracium incisum* subsp. *hittense* (Murr) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1798. 1901 $\equiv$ *Hieracium hittense* (Murr) Prain, Index Kew., Suppl. 4: 113. 1913.

Hieracium pallescens subsp. *humiliforme* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 522. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *humiliforme* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1801. 1901.

Hieracium pallescens subsp. *incisum* (Hoppe) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* Hoppe in Sturm, Deutschl. Fl. 10(39): ad t. 14. 1815 $\equiv$ *Hieracium incisum* Hoppe subsp. *incisum* [per Zahn in Allg. Bot. Z. Syst. 7: 115. 1901].

Hieracium pallescens subsp. *jugicola* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium maureri* subsp. *jugicola* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1836. 1901 $\equiv$ *Hieracium salevense* subsp. *jugicola* (Zahn) Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 527. 1906 $\equiv$ *Hieracium jugicola* (Zahn) Prain, Index Kew., Suppl. 4: 114. 1913 $\equiv$ *Hieracium incisum* subsp. *sprecheri* Zahn in Engler, Pflanzenr. 76: 491. 1921, nom. illeg. $\equiv$ *Hieracium arolae* subsp. *bahnmaieri* Zahn in Engler, Pflanzenr. 79: 1146. 1922, nom. illeg.

Hieracium pallescens subsp. *knautiifolium* (Arv.-Touv.) Greuter, **comb. nov.** $\equiv$ *Hieracium murorum* var. *knautiifolium* Arv.-Touv. in Ann. Soc. Linn. Lyon, ser. 2, 34: 83. 1888 $\equiv$ *Hieracium incisum* subsp. *knautiifolium* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 76: 505. 1921.

Hieracium pallescens subsp. *leucobasis* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium leucobasis* (Zahn) Prain, Index Kew., Suppl. 4: 115. 1913 $\equiv$ *Hieracium incisum* subsp. *leucobasis* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 435. 1906.

Hieracium pallescens subsp. *macranthoides* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *macranthoides* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1800. 1901.

Hieracium pallescens subsp. *maledictum* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 522. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium aphyllum* subsp. *maledictum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 466. 1906 $\equiv$ *Hieracium maledictum* (Zahn) Prain, Index Kew., Suppl. 4: 116. 1913 $\equiv$ *Hieracium incisum* subsp. *maledictum* (Zahn) Zahn in Engler, Pflanzenr. 76: 500. 1921.

Hieracium pallescens subsp. *melanocinereum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *melanocinereum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 437. 1906 $\equiv$ *Hieracium melanocinereum* (Zahn) Prain, Index Kew., Suppl. 4: 116. 1913.

Hieracium pallescens subsp. *montafonense* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* var. *montafonense* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1798. 1901 $\equiv$ *Hieracium incisum* subsp. *montafonense* (Zahn) Zahn, Hieracioth. Eur. 5: 18. 1910.

Hieracium pallescens subsp. *muroriforme* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 522. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *muroriforme* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1801. 1901 $\equiv$ *Hieracium muroriforme* (Zahn) Prain, Index Kew., Suppl. 4: 116. 1913.

Hieracium pallescens subsp. *murrianum* (Murr) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 522. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium murrianum* Murr in Programm Realschule Innsbruck 1891: 55. 1891 $\equiv$ *Hieracium incisum* subsp. *murrianum* (Murr) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1798. 1901.

Hieracium pallescens subsp. *neilreichii* (Beck) [Hub.-Mor. in Bauhinia 4: 152. 1971, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium neilreichii* Beck, Fl. Hernstein: 435. 1884 $\equiv$ *Hieracium incisum* subsp. *neilreichii* (Beck) Zahn in Engler, Pflanzenr. 76: 499. 1921.

Hieracium pallescens subsp. *niphogeton* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *niphogeton* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 294. 1905 $\equiv$ *Hieracium niphogeton* (Zahn) Prain, Index Kew., Suppl. 4: 117. 1913.

Hieracium pallescens subsp. *ovale* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 522. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *ovale* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1800. 1901.

Hieracium pallescens subsp. *oxyodontiforme* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *oxyodontiforme* Zahn in Engler, Pflanzenr. 76: 497. 1921.

Hieracium pallescens subsp. *pachysphaericum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *pachysphaericum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 433. 1906 $\equiv$ *Hieracium pachysphaericum* (Zahn) Prain, Index Kew., Suppl. 4: 117. 1913.

Hieracium pallescens subsp. *pertenuatum* (Murr & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *pertenuatum* Murr & Zahn in Engler, Pflanzenr. 76: 498. 1921 $\equiv$ *Hieracium incisum* subsp. *longisubulatum* Murr & Zahn in Engler, Pflanzenr. 79: 1145. 1922, nom. illeg.

Hieracium pallescens subsp. *plazenicense* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *plazenicense* Zahn in Österr. Bot. Z. 56: 275. 1906.

Hieracium pallescens subsp. *porrectiforme* (Murr) Greuter, **comb. nov.** $\equiv$ *Hieracium trachselianum* subsp. *porrectiforme* Murr in Allg. Bot. Z. Syst. 10: 100. 1904 $\equiv$ *Hieracium incisum* subsp. *porrectiforme* (Murr) Murr in Reichenbach, Icon. Fl. Germ. Helv. 19(2): 46. 1905 $\equiv$ *Hieracium porrectiforme* (Murr) Prain, Index Kew., Suppl. 5: 131. 1921.

Hieracium pallescens subsp. *pseudohittense* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 522. 1956, comb. inval., ex] Greuter, **comb. nov.** $\equiv$ *Hieracium incisum* subsp. *pseudohittense* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 434. 1906 $\equiv$ *Hieracium pseudohittense* (Zahn) Prain, Index Kew., Suppl. 4: 119. 1913.

Hieracium pallescens subsp. *pseudomurrianum* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 522. 1956, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium pseudomurrianum* (Zahn) Prain, Index Kew., Suppl. 4: 119. 1913 = *Hieracium incisum* subsp. *pseudomurrianum* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1798. 1901.

Hieracium pallescens subsp. *pseudotrachselianum* (Zahn) Greuter, **comb. nov.** = *Hieracium incisum* subsp. *pseudotrachselianum* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1801. 1901.

Hieracium pallescens subsp. *ranisavae* (Rohlena & Zahn) Greuter, **comb. nov.** = *Hieracium neilreichii* subsp. *ranisavae* Rohlena & Zahn in Repert. Spec. Nov. Regni Veg. 6: 227. 1909 = *Hieracium incisum* subsp. *ranisavae* (Rohlena & Zahn) Zahn in Engler, Pflanzenr. 76: 500. 1921.

Hieracium pallescens subsp. *subgaudinii* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 522. 1956, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium incisum* subsp. *subgaudinii* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 294. 1905 = *Hieracium subgaudinii* (Zahn) Prain, Index Kew., Suppl. 4: 121. 1913.

Hieracium pallescens subsp. *suboreites* (Murr & Zahn) Greuter, **comb. nov.** = *Hieracium murrianum* subsp. *suboreites* Murr & Zahn in Allg. Bot. Z. Syst. 13: 115. 1907 = *Hieracium incisum* subsp. *suboreites* (Murr & Zahn) Zahn in Engler, Pflanzenr. 76: 501. 1921.

Hieracium pallescens subsp. *subpatulum* (Zahn) Greuter, **comb. & stat. nov.** = *Hieracium subpatulum* Zahn in Engler, Pflanzenr. 75: 110. 1921.

Hieracium pallescens subsp. *tephrochlorum* (Zahn) Greuter, **comb. nov.** = *Hieracium incisum* subsp. *tephrochlorum* Zahn in Allg. Bot. Z. Syst. 7: 115. 1901.

Hieracium pallescens subsp. *trachselianoides* (Zahn) [Hirschm. in Denkschr. Schweiz. Naturf. Ges. 81: 522. 1956, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium incisum* subsp. *trachselianoides* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 293-294. 1905 = *Hieracium trachselianoides* (Zahn) Prain, Index Kew., Suppl. 4: 122. 1913.

Hieracium pallescens subsp. *variidens* (Murr & Zahn) Greuter, **comb. nov.** = *Hieracium incisum* subsp. *variidens* Murr & Zahn in Engler, Pflanzenr. 76: 498. 1921.

Hieracium pallescens subsp. *villosipes* (Pax) Greuter, **comb. nov.** = *Hieracium villosipes* Pax in Österr. Bot. Z. 45: 42. 1895 = *Hieracium incisum* subsp. *villosipes* (Pax) Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 736. 1935.

Hieracium pallescens subsp. *visocicense* (Degen & Zahn) Greuter, **comb. nov.** = *Hieracium neilreichii* subsp. *visocicense* Degen & Zahn in Magyar Bot. Lapok 6: 215. 1907 = *Hieracium incisum* subsp. *visocicense* (Degen & Zahn) Zahn in Engler, Pflanzenr. 76: 499. 1921.

Hieracium pannosum subsp. *amphithales* (K. Malý & Zahn) Greuter, **comb. & stat. nov.** = *Hieracium amphithales* K. Malý & Zahn in Repert. Spec. Nov. Regni Veg. 38: 298. 1935.

Hieracium pannosum subsp. *epiglossophyllum* (Arv.-Touv.) Greuter, **comb. & stat. nov.** = *Hieracium epiglossophyllum* Arv.-Touv. in Bull. Soc. Sci. Nancy, ser. 3, 9: 381. 1908.

Hieracium pannosum subsp. *strigulosum* (Post) Greuter, **comb. & stat. nov.** = *Hieracium strigulosum* Post in Bull. Herb. Boissier 1: 25. 1893.

Hieracium pannosum subsp. *taygeteum* (Boiss. & Heldr.) Greuter, **comb. & stat. nov.** = *Hieracium taygeteum* Boiss. & Heldr. in Boissier, Diagn. Pl. Orient. 7: 15. 1846.

Hieracium patens subsp. *costae* (Scheele) Greuter, **comb. nov.** = *Hieracium costae* Scheele in Linnaea 32: 686. 1863 = *Hieracium rectum* subsp. *costae* (Scheele) Zahn in Engler, Pflanzenr. 79: 998. 1922.

Hieracium patens subsp. *dipsacifolium* (Arv.-Touv.) Greuter, **comb. nov.** $\equiv$ *Hieracium dipsacifolium* Arv.-Touv., Spicil. Rar. Hierac.: 49. 1886 $\equiv$ *Hieracium rectum* subsp. *dipsacifolium* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 79: 999. 1922.

Hieracium patens subsp. *eurypus* (K. Knaf) Greuter, **comb. nov.** $\equiv$ *Hieracium eurypus* K. Knaf in Österr. Bot. Z. 25: 181. 1875 $\equiv$ *Hieracium rectum* subsp. *eurypus* (K. Knaf) Zahn in Engler, Pflanzenr. 79: 1001. 1922.

Hieracium patens subsp. *eynense* (Sudre) Greuter, **comb. nov.** $\equiv$ *Hieracium eynense* Sudre in Bull. Acad. Int. Géogr. Bot. 22: 57. 1912 $\equiv$ *Hieracium rectum* subsp. *eynense* (Sudre) Zahn in Engler, Pflanzenr. 79: 999. 1922.

Hieracium patens subsp. *hecataenum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** $\equiv$ *Hieracium hecataenum* Arv.-Touv. & Gaut., Hieracioth. 5: [in schedis] Hisp. No. 61. 1898 $\equiv$ *Hieracium rectum* subsp. *hecataenum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 79: 999. 1922.

Hieracium patens subsp. *myriophyllum* (Scheele) Greuter, **comb. nov.** $\equiv$ *Hieracium myriophyllum* Scheele in Linnaea 32: 660. 1863 $\equiv$ *Hieracium rectum* subsp. *myriophyllum* (Scheele) Zahn in Engler, Pflanzenr. 79: 1000. 1922.

Hieracium patens subsp. *neodipsaceum* (Arv.-Touv.) Greuter, **comb. nov.** $\equiv$ *Hieracium neodipsaceum* Arv.-Touv. in Bull. Herb. Boissier 5: 729. 1897 $\equiv$ *Hieracium rectum* subsp. *neodipsaceum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 79: 999. 1922.

Hieracium patens subsp. *pseuderiphorum* (Loret & Timb.-Lagr.) Greuter, **comb. nov.** $\equiv$ *Hieracium pseuderiphorum* Loret & Timb.-Lagr. in Bull. Soc. Bot. France 5: 616. 1858 $\equiv$ *Hieracium rectum* Arv.-Touv. & Gaut. in Bull. Soc. Bot. France 51: lxxxvii. 1905, nom. illeg. $\equiv$ *Hieracium rectum* subsp. *pseuderiphorum* (Loret & Timb.-Lagr.) Zahn in Engler, Pflanzenr. 79: 1000. 1922.

Hieracium pictum subsp. *irginianum* (Arrigoni) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium irginianum* Arrigoni in Boll. Soc. Sarda Sci. Nat., 24: 236. 1985.

Hieracium pietroszense subsp. *deylli* (Mráz) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium deylli* Mráz in Folia Geobot. 38: 311. 2003.

Hieracium piliferum subsp. *fuliginatum* (Murr & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium glanduliferum* subsp. *fuliginatum* Murr & Zahn in Reichenbach, Icon. Fl. Germ. Helv. 19(2): 10. 1904 $\equiv$ *Hieracium fuliginatum* (Murr & Zahn) Fiori, Nuova Fl. Italia 2: 891. 1928.

Hieracium pilosum subsp. *canalense* (Pacher) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium canalense* Pacher in Jahrb. Naturhist. Landesmus. Kärnten 22: 94. 1893.

Hieracium pilosum subsp. *faucillense* (Nägeli & Peter) Greuter, **comb. nov.** $\equiv$ *Hieracium villosiceps* subsp. *faucillense* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 109. 1886 $\equiv$ *Hieracium morisianum* subsp. *faucillense* (Nägeli & Peter) Zahn in Engler, Pflanzenr. 75: 87. 1921.

Hieracium pilosum subsp. *favrei* (Nägeli & Peter) Greuter, **comb. nov.** $\equiv$ *Hieracium villosiceps* subsp. *favrei* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 112. 1886 $\equiv$ *Hieracium villosiceps* subsp. *catognense* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 352. 1906, nom. illeg. $\equiv$ *Hieracium catognense* Prain, Index Kew., Suppl. 4: 110. 1913 $\equiv$ *Hieracium favrei* (Nägeli & Peter) Prain, Index Kew., Suppl. 4: 112. 1913 $\equiv$ *Hieracium morisianum* subsp. *favrei* (Nägeli & Peter) Zahn in Engler, Pflanzenr. 75: 87. 1921.

Hieracium pilosum subsp. *schleicheri* (Nägeli & Peter) Greuter, **comb. nov.** $\equiv$ *Hieracium villosiceps* subsp. *schleicheri* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 108. 1886 $\equiv$ *Hieracium schleicheri* (Nägeli & Peter) Prain, Index Kew., Suppl. 4: 120. 1913 [non Arv.-Touv. 1897] $\equiv$ *Hieracium morisianum* subsp. *schleicheri* (Nägeli & Peter) Zahn in Engler, Pflanzenr. 75: 86. 1921.

Hieracium pilosum subsp. *villosifolium* (Nägeli & Peter) Greuter, **comb. nov.** $\equiv$ *Hieracium villosiceps* subsp. *villosifolium* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 108. 1886 $\equiv$ *Hieracium villosifolium* (Nägeli & Peter) Prain, Index Kew., Suppl. 4: 122. 1913 $\equiv$ *Hieracium morisianum* subsp. *villosifolium* (Nägeli & Peter) Zahn in Engler, Pflanzenr. 75: 86. 1921.

Hieracium praecurrens subsp. *pelesii* (Grecescu) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium pelesii* Grecescu, Conspectus Fl. Roman.: 373. 1898.

Hieracium prenanthoides subsp. *brittataense* (Üksip) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium brittataense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 480. 1959.

Hieracium prenanthoides subsp. *buschianum* (Üksip) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium buschianum* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 479. 1959.

Hieracium prenanthoides subsp. *gredense* (Rouy) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium gredense* Rouy, Ill. Pl. Eur.: 121. 1901.

Hieracium prenanthoides subsp. *loriense* (Üksip) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium loriense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 479. 1959.

Hieracium pseudalpinum subsp. *cochlearioides* Greuter, **nom. nov.** $\equiv$ *Hieracium cochlearifolium* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1842. 1901 [non Brenner 1894] $\equiv$ *Hieracium cochlearioides* Zahn in Engler, Pflanzenr. 75: 141. 1921, nom. illeg.

Hieracium pseudalpinum subsp. *pseudoglanduliferum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium cochlearifolium* subsp. *pseudoglanduliferum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 540. 1906 $\equiv$ *Hieracium pseudoglanduliferum* (Zahn) Prain, Index Kew., Suppl. 4: 119. 1913 $\equiv$ *Hieracium cochlearioides* subsp. *pseudoglanduliferum* (Zahn) Zahn in Engler, Pflanzenr. 75: 141. 1921.

Hieracium pseudalpinum subsp. *tissierei* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium cochlearifolium* subsp. *tissierei* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 540. 1906 $\equiv$ *Hieracium tissierei* (Zahn) Prain, Index Kew., Suppl. 4: 122. 1913 $\equiv$ *Hieracium cochlearioides* subsp. *tissierei* (Zahn) Zahn in Engler, Pflanzenr. 75: 141. 1921.

Hieracium pseudocerinthe subsp. *arvasicum* (Arv.-Touv.) Greuter, **comb. nov.** $\equiv$ *Hieracium arvasicum* Arv.-Touv. in Annuaire Conserv. Jard. Bot. Genève 1: 99. 1897 $\equiv$ *Hieracium ucenicum* subsp. *arvasicum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 75: 210. 1921.

Hieracium pseudocerinthe subsp. *rimigenum* (Arv.-Touv.) Greuter, **comb. nov.** $\equiv$ *Hieracium rimigenum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 130. 1913 $\equiv$ *Hieracium ucenicum* subsp. *rimigenum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 75: 211. 1921.

Hieracium pseudocerinthe subsp. *scapiflorum* (Arv.-Touv.) Greuter, **comb. nov.** $\equiv$ *Hieracium scapiflorum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 102. 1913 $\equiv$ *Hieracium ucenicum* subsp. *scapiflorum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 75: 211. 1921.

Hieracium pseudocerinthe subsp. *ucenicum* (Arv.-Touv.) Greuter, **comb. nov.** $\equiv$ *Hieracium saxatile* var. *ucenicum* Arv.-Touv. in Ann. Soc. Linn. Lyon, ser. 2, 34: 52. 1888 $\equiv$ *Hieracium ucenicum* (Arv.-Touv.) Arv.-Touv., Hier. Gall. Hisp. Cat.: 108. 1913 $\equiv$ *Hieracium ucenicum* (Arv.-Touv.) Arv.-Touv. subsp. *ucenicum* [per Zahn in Engler, Pflanzenr. 75: 210. 1921].

Hieracium pseudopaltinae subsp. *stenobracteophorum* (Nyár. & Zahn) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium stenobracteophorum* Nyár. & Zahn in Bul. Grăd. Bot. Univ. Cluj 8: 81. 1929.

Hieracium pseudosvaneticum subsp. *kharthlicum* (Kem.-Nath.) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium kharthlicum* Kem.-Nath. in Zametki Sist. Geogr. Rast. 17: 126. 1953.

Hieracium pseudosvaneticum subsp. *subbakurianense* (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium subbakurianense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 469. 1959.

Hieracium pseudosvaneticum subsp. *tschkhubianischwilii* (Kem.-Nath.) Greuter, **comb. & stat. nov.** = *Hieracium tschkhubianischwilii* Kem.-Nath. in Zametki Sist. Geogr. Rast. 17: 127. 1953.

Hieracium pulmonarioides subsp. *belverienne* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium belverienne* Arv.-Touv. & Gaut., Hieracioth. 12: [in schedis] Hisp. No. 156-158. 1901 = *Hieracium amplexicaule* subsp. *belverienne* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 77: 727. 1921.

Hieracium pulmonarioides subsp. *chenevardianum* (Zahn) Greuter, **comb. nov.** = *Hieracium amplexicaule* subsp. *chenevardianum* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 318. 1905 = *Hieracium chenevardianum* (Zahn) Prain, Index Kew., Suppl. 4: 110. 1913.

Hieracium pulmonarioides subsp. *spelaum* (Arv.-Touv.) Greuter, **comb. nov.** = *Hieracium amplexicaule* var. *spelaum* Arv.-Touv. in Ann. Soc. Linn. Lyon, ser. 2, 34: 50. 1888 = *Hieracium amplexicaule* subsp. *spelaum* (Arv.-Touv.) Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 318. 1905.

Hieracium purpurascens subsp. *cabreranum* (Arv.-Touv.) Greuter, **comb. nov.** = *Hieracium cabreranum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 168. 1913 = *Hieracium tephrocerinthe* subsp. *cabreranum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 75: 157. 1921.

Hieracium racemosum subsp. *ageratoides* (Fr.) Greuter, **comb. & stat. nov.** = *Hieracium ageratoides* Fr. in Uppsala Univ. Årsskr. 1862: 108. 1862.

Hieracium racemosum subsp. *barbicaule* (Čelak.) Greuter, **comb. & stat. nov.** = *Hieracium barbicaule* Čelak., Prodr. Fl. Böhmen: 789. 1881.

Hieracium racemosum subsp. *limbarae* (Arrigoni) Greuter, **comb. & stat. nov.** = *Hieracium limbarae* Arrigoni in Boll. Soc. Sarda Sci. Nat. 24: 241. 1985.

Hieracium racemosum subsp. *oliastreae* (Arrigoni) Greuter, **comb. & stat. nov.** = *Hieracium oliastreae* Arrigoni in Boll. Soc. Sarda Sci. Nat. 24: 245. 1985.

Hieracium racemosum subsp. *pignattianum* (Raimondo & Di Grist.) Greuter, **comb. & stat. nov.** = *Hieracium pignattianum* Raimondo & Di Grist. in Bocconea 17: 314. 2004.

Hieracium racemosum subsp. *subartvinense* (Üksip) Greuter, **comb. & stat. nov.** = *Hieracium subartvinense* Üksip in Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 19: 468. 1959.

Hieracium raddeanum subsp. *hryniawiense* (Woł.) Greuter, **comb. nov.** = *Hieracium hryniawiense* Woł. in Spraw. Komis. Fizjogr. 22: 204. 1888 = *Hieracium aestivum* subsp. *hryniawiense* (Woł.) Zahn in Engler, Pflanzenr. 79: 925. 1922.

Hieracium raddeanum subsp. *regelianum* (Zahn) Greuter, **comb. & stat. nov.** = *Hieracium regelianum* Zahn in Engler, Pflanzenr. 79: 936. 1922.

Hieracium ramondii subsp. *asturicum* (Pau) Greuter, **comb. & stat. nov.** = *Hieracium asturicum* Pau, Not. Bot. Fl. Españ. 6: 73. 1895.

Hieracium riphaeoides [Bornm. & Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 401. 1937, descr. germ.] Bornm. & Zahn, **sp. nov.** – Holotype: Czech Republic: “Riesengebirge [Krkonosé], im Langen Grund [Dlouhý důl] (bei St. Peter)”, 1100 m, 13.8.1930, Bornmüller (B 100216197). – Description: “*Hieracio riphaeo* simile, sed planta 60-80 cm alta, basin versus gradatim hirtior, corymbosum; rami 5-10 cm longi; pedunculi elongati, graciles, floccosi tantum; capitula 10-20. Involucrum magnum, minute glandulosum, pilis destitutum, parcifloccosum;

squamae latae; bracteae plures. Stylus luteus. Folia 40-60 densa, late lanceolata, summa tantum diminuta, margine (pilis saepe truncatis) et dorso tantum breviter pilosa (pilis nodulis insidentibus) et floccosa; inferiora 10 cm longa et 15-20 mm lata; superiora minus pilosa sed utrinque floccosa; omnia dentibus 1-2(-3) dissitis longis angustis acutissimis serrata.” – H. Zahn.

Hieracium robertsii [P. D. Sell in Sell & Murrell, Fl. Great Britain & Ireland 4: 550. 2006, nom. inval., ex] P. D. Sell, **nom. nov.** $\equiv$ *Hieracium rubiginosum* var. *glabrescens* Pugsley in J. Linn. Soc., Bot. 54: 182. 1948 [non *Hieracium glabrescens* (F. W. Schultz) Murr 1897].

Hieracium rupicola subsp. *marsillyanum* (Arv.-Touv.) Greuter, **comb. nov.** $\equiv$ *Hieracium marsillyanum* Arv.-Touv., Hier. Gall. Hisp. Cat.: 109. 1913 $\equiv$ *Hieracium leptocladum* subsp. *marsillyanum* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 77: 732. 1921.

Hieracium rupicola subsp. *squarrosulum* (Zahn) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium squarrosulum* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 319. 1905 $\equiv$ *Hieracium subsquarrosulum* Zahn in Engler, Pflanzenr. 77: 621. 1921, nom. illeg.

Hieracium sabaudum subsp. *gutierrezii* (Gutiérrez) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium gutierrezii* Gutiérrez, Apuntes Fl. Olmedo: 125. 1908.

Hieracium sabaudum subsp. *hostianum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium platyphyllum* subsp. *hostianum* Zahn in Engler, Pflanzenr. 79: 1008. 1922.

Hieracium sabaudum subsp. *macrodon* (Sudre) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium dispalatum* var. *macrodon* Sudre, Hierac. Centre France: 24. 1902 [non *Hieracium macrodon* Nägeli & Peter 1886] $\equiv$ *Hieracium prominentidens* P. D. Sell in Sell & Murrell, Fl. Great Britain & Ireland 4: 532. 2006.

Hieracium sabaudum subsp. *maranzae* (Murr & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pseudoboreale* subsp. *maranzae* Murr & Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1929. 1902 $\equiv$ *Hieracium maranzae* (Murr & Zahn) Prain, Index Kew., Suppl. 5: 130. 1921 $\equiv$ *Hieracium platyphyllum* subsp. *maranzae* (Murr & Zahn) Zahn in Engler, Pflanzenr. 79: 1008. 1922.

Hieracium sabaudum subsp. *propinquum* (Sudre) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium propinquum* Sudre in Bull. Assoc. Pyrén. Echange Pl. 9: 10. 1900 $\equiv$ *Hieracium sabaudum* var. *perpropinquum* Zahn in Engler, Pflanzenr. 79: 945. 1922 $\equiv$ *Hieracium perpropinquum* (Zahn) Druce, List Brit. Pl., ed. 2: 71. 1928.

Hieracium schmidtii subsp. *acrocrocydotum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pallidum* subsp. *acrocrocydotum* Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 265. 1931.

Hieracium schmidtii subsp. *argaeum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium pallidum* subsp. *argaeum* Zahn in Engler, Pflanzenr. 75: 223. 1921 $\equiv$ *Hieracium argaeum* (Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 430. 1975.

Hieracium schmidtii subsp. *argyrosericeum* (O. Behr & al.) Greuter, **comb. nov.** $\equiv$ *Hieracium pallidum* subsp. *argyrosericeum* O. Behr & al. in Glasn. Skopsk. Naučn. Društva 18: 56. 1937.

Hieracium schmidtii subsp. *ateanum* (Pau) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium ateanum* Pau in Bol. Soc. Aragonesa Ci. Nat. 17: 153. 1918.

Hieracium schmidtii subsp. *basicrinuloides* (O. Behr & al.) Greuter, **comb. nov.** $\equiv$ *Hieracium pallidum* subsp. *basicrinuloides* O. Behr & al. in Glasn. Skopsk. Naučn. Društva 20: 25. 1939.

Hieracium schmidtii subsp. *candicans* (Tausch) Greuter, **comb. nov.** $\equiv$ *Hieracium candicans* Tausch in Flora 11, Ergänzungsbl. 1: 65. 1828 $\equiv$ *Hieracium pallidum* subsp. *candicans* (Tausch) Zahn in Engler, Pflanzenr. 75: 220. 1921.

Hieracium schmidtii subsp. *canencianum* (Pau) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium canencianum* Pau in Bol. Soc. Aragonesa Ci. Nat. 17: 153. 1918.

Hieracium schmidtii subsp. *creticum* (Zahn) Greuter, **comb. nov.** = *Hieracium pallidum* subsp. *creticum* Zahn in Engler, Pflanzenr. 75: 221. 1921.

Hieracium schmidtii subsp. *curcicianum* (Zahn) Greuter, **comb. nov.** = *Hieracium pallidum* subsp. *curcicianum* Zahn in Engler, Pflanzenr. 75: 227. 1921.

Hieracium schmidtii subsp. *dinglerianum* (Zahn) Greuter, **comb. nov.** = *Hieracium pallidum* subsp. *dinglerianum* Zahn in Feddes Repert. 24: 380. 1928.

Hieracium schmidtii subsp. *giresunense* (Hub.-Mor.) Greuter, **comb. & stat. nov.** = *Hieracium giresunense* Hub.-Mor. in Notes Roy. Bot. Gard. Edinburgh 33: 245. 1974.

Hieracium schmidtii subsp. *huber-morathii* (P. D. Sell & C. West) Greuter, **comb. & stat. nov.** = *Hieracium huber-morathii* P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 244. 1974.

Hieracium schmidtii subsp. *jovimontis* (Zahn) Greuter, **comb. nov.** = *Hieracium graniticum* subsp. *jovimontis* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1813. 1901 = *Hieracium pallidum* subsp. *jovimontis* (Zahn) Zahn in Engler, Pflanzenr. 75: 224. 1921 = *Hieracium jovimontis* (Zahn) Roffey in Watson, London Cat. Brit. Pl., ed. 11: 26. 1925.

Hieracium schmidtii subsp. *labillardierei* (Arv.-Touv.) Greuter, **comb. nov.** = *Hieracium labillardierei* Arv.-Touv. in Annuaire Conserv. Jard. Bot. Genève 1: 101. 1897 = *Hieracium pallidum* subsp. *labillardierei* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 75: 222. 1921.

Hieracium schmidtii subsp. *lasiochaetum* (Bornm. & Zahn) Greuter, **comb. nov.** = *Hieracium pallidum* subsp. *lasiochaetum* Bornm. & Zahn in Engler, Pflanzenr. 75: 220. 1921 = *Hieracium lasiochaetum* (Bornm. & Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 431. 1975.

Hieracium schmidtii subsp. *leucothecum* (Freyn) Greuter, **comb. nov.** = *Hieracium leucothecum* Freyn in Österr. Bot. Z. 42: 343. 1892 = *Hieracium pallidum* subsp. *leucothecum* (Freyn) Zahn in Engler, Pflanzenr. 75: 217. 1921.

Hieracium schmidtii subsp. *libanoticum* (Boiss. & Blanche) Greuter, **comb. nov.** = *Hieracium libanoticum* Boiss. & Blanche in Boissier, Fl. Orient. 3: 870. 1875 = *Hieracium pallidum* subsp. *libanoticum* (Boiss. & Blanche) Zahn in Engler, Pflanzenr. 75: 221. 1921.

Hieracium schmidtii subsp. *madoniense* (Raimondo & Di Grist.) Greuter, **comb. & stat. nov.** = *Hieracium madoniense* Raimondo & Di Grist. in Pl. Biosystems 141: 86. 2007.

Hieracium schmidtii subsp. *odontotrichum* (Freyn) Greuter, **comb. nov.** = *Hieracium odontotrichum* Freyn in Velenovský, Fl. Bulg.: 342. 1891 = *Hieracium pallidum* subsp. *odontotrichum* (Freyn) Zahn in Engler, Pflanzenr. 75: 227. 1921.

Hieracium schmidtii subsp. *pseudodontotrichum* (Hub.-Mor.) Greuter, **comb. & stat. nov.** = *Hieracium pseudodontotrichum* Hub.-Mor. in Notes Roy. Bot. Gard. Edinburgh 33: 246. 1974.

Hieracium schmidtii subsp. *rupicolifolium* (Zahn) [Gamisans & Jeanm., Fl. Cors.: 839. 2007, comb. inval., ex] Greuter, **comb. nov.** = *Hieracium pallidum* subsp. *rupicolifolium* Zahn in Engler, Pflanzenr. 82: 1537. 1923.

Hieracium schmidtii subsp. *subvandasii* (Bornm. & Zahn) Greuter, **comb. nov.** = *Hieracium pallidum* subsp. *subvandasii* Bornm. & Zahn in Engler, Pflanzenr. 75: 228. 1921 = *Hieracium subvandasii* (Bornm. & Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 431. 1975.

Hieracium schmidtii subsp. *vranjanum* (Zahn) Greuter, **comb. nov.** = *Hieracium pallidum* subsp. *vranjanum* Zahn in Engler, Pflanzenr. 75: 226. 1921.

Hieracium schmidtii subsp. *vulcanicum* (Griseb.) Greuter, **comb. nov.** = *Hieracium vulcanicum* Griseb. in Bot. Zeitung (Berlin) 8: 638. 1850 = *Hieracium pallidum* subsp. *vulcanicum* (Griseb.) Zahn in Engler, Pflanzenr. 75: 220. 1921.

Hieracium sericophyllum subsp. *leucocomum* (Arv.-Touv.) Greuter, **comb. & stat. nov.** = *Hieracium leucocomum* Arv.-Touv. in Bull. Séances Soc. Sci. Nancy, ser. 3, 9: 381. 1908.

Hieracium sericophyllum subsp. *pilosius* (Buttler) Greuter, **comb. & stat. nov.** = *Hieracium pilosius* Buttler in Strid, Mount. Fl. Greece 2: 628. 1991.

Hieracium sericophyllum subsp. *tmoleum* (Hub.-Mor.) Greuter, **comb. & stat. nov.** = *Hieracium tmoleum* Hub.-Mor. in Notes Roy. Bot. Gard. Edinburgh 33: 247. 1974.

Hieracium solidagineum subsp. *abadesicola* (Pau) Greuter, **comb. & stat. nov.** = *Hieracium abadesicola* Pau in Bol. Soc. Esp. Hist. Nat. 18: 506. 1918.

Hieracium sparsiramum subsp. *ampezzanum* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium subglaberrimum* subsp. *ampezzanum* (Nägeli & Peter) Zahn in Engler, Pflanzenr. 75: 57. 1921 = *Hieracium glabratum* var. *ampezzanum* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 139. 1886.

Hieracium sparsiramum subsp. *subglaberrimum* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium subglaberrimum* (Nägeli & Peter) Zahn in Engler, Pflanzenr. 75: 56. 1921 = *Hieracium glabratum* subsp. *subglaberrimum* Nägeli & Peter, Hier. Mitt.-Eur. 2: 146. 1886.

Hieracium sparsum subsp. *abietogenum* (Szeląg) Greuter, **comb. & stat. nov.** = *Hieracium abietogenum* Szeląg in Polish Bot. J. 48: 11. 2003.

Hieracium sparsum subsp. *baleanum* (Prodán) Greuter, **comb. & stat. nov.** = *Hieracium baleanum* Prodán in Bul. Şti. Acad. Republ. Populare Romîne, Sect. Biol. Şti. Agric., Ser. Bot. 9: 320. 1957.

Hieracium sparsum subsp. *beypazariense* (Hub.-Mor.) Greuter, **comb. & stat. nov.** = *Hieracium beypazariense* Hub.-Mor. in Notes Roy. Bot. Gard. Edinburgh 33: 425. 1975.

Hieracium sparsum subsp. *coldei* (Szeląg) Greuter, **comb. & stat. nov.** = *Hieracium coldei* Szeląg in Ann. Bot. Fenn. 43: 312. 2006.

Hieracium sparsum subsp. *longidentatum* (Szeląg) Greuter, **comb. nov.** = *Hieracium kot-schyanum* subsp. *longidentatum* Szeląg in Polish Bot. J. 48: 11. 2003 = *Hieracium mitkai* Szeląg in Polish J. Bot. 51: 120. 2006.

Hieracium sparsum subsp. *mirekii* (Szeląg) Greuter, **comb. & stat. nov.** = *Hieracium mirekii* Szeląg in Polish J. Bot. 51: 118. 2006.

Hieracium sparsum subsp. *nigrovirenticeps* (Nyár. & Zahn) Greuter, **comb. nov.** = *Hieracium paltinae* subsp. *nigrovirenticeps* Nyár. & Zahn in Bul. Grăd. Bot. Univ. Cluj 8: 77. 1929 = *Hieracium paltinae* subsp. *nigrescenticeps* Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 686. 1938, nom. illeg. = *Hieracium tomasiforme* Nyár. in Săvulescu, Fl. Rep. Pop. Române 10: 517. 1965.

Hieracium sparsum subsp. *perfoliosum* (Szeląg) Greuter, **comb. & stat. nov.** = *Hieracium perfoliosum* Szeląg in Polish Bot. J. 48: 12. 2003.

Hieracium sparsum subsp. *pisaturense* (Nyár.) Greuter, **comb. & stat. nov.** = *Hieracium pisaturense* Nyár. in Bul. Grăd. Bot. Univ. Cluj 8: 149. 1929.

Hieracium sparsum subsp. *polyphyllobasis* (Nyár. & Zahn) Greuter, **comb. nov.** = *Hieracium paltinae* subsp. *polyphyllobasis* Nyár. & Zahn in Bul. Grăd. Bot. Univ. Cluj 8: 77. 1929 = *Hieracium polyphyllobasis* (Nyár. & Zahn) Szeląg in Polish J. Bot. 51: 129. 2006.

Hieracium sparsum subsp. *sparsiforme* (Degen & Zahn) Greuter, **comb. nov.** = *Hieracium sparsiflorum* subsp. *sparsiforme* Degen & Zahn in Magyar Bot. Lapok 5: 79. 1906 = *Hieracium sparsum* subsp. *nomophilum* Zahn in Engler, Pflanzenr. 79: 1021. 1922, nom. illeg.

Hieracium sparsum subsp. *subnitens* (Zahn) Greuter, **comb. nov.** = *Hieracium subnitens* Zahn in Magyar Bot. Lapok 10: 173. 1911 = *Hieracium camkorijense* subsp. *subnitens* (Zahn) Zahn in Engler, Pflanzenr. 79: 1048. 1922.

Hieracium sparsum subsp. *subvillosum* (Freyn) Greuter, **comb. & stat. nov.** = *Hieracium subvillosum* Freyn in Velenovský, Fl. Bulg.: 345. 1891.

Hieracium sparsum subsp. *telekianum* (Boros & Lengyel) Greuter, **comb. & stat. nov.** = *Hieracium telekianum* Boros & Lengyel in Scripta Bot. Mus. Transsilv. 1: 8. 1942.

Hieracium sparsum subsp. *tubulatum* (Zahn) Greuter, **comb. nov.** = *Hieracium sparsiflorum* subsp. *tubulatum* Zahn in Magyar Bot. Lapok 5: 81. 1906 = *Hieracium sparsum* subsp. *tubulare* Zahn in Engler, Pflanzenr. 79: 1022. 1922, nom. illeg. = *Hieracium tubulare* Nyár. in Bul. Grăd. Bot. Univ. Cluj 8: 144. 1929.

Hieracium sparsum subsp. *wernerii* (Szeląg) Greuter, **comb. & stat. nov.** = *Hieracium wernerii* Szeląg in Polish J. Bot. 51: 25. 2006.

Hieracium stelligerum subsp. *girerdii* (Gottschl.) Greuter, **comb. & stat. nov.** = *Hieracium girerdii* Gottschl. in Monde Pl. 484: 9. 2004.

Hieracium stelligerum subsp. *simonkaianum* (Zahn) Greuter, **comb. nov.** = *Hieracium substellatum* subsp. *simonkaianum* Zahn in Engler, Pflanzenr. 75: 284. 1921 = *Hieracium simonkaianum* (Zahn) P. D. Sell & C. West in Bot. J. Linn. Soc. 71: 266. 1976.

Hieracium stelligerum subsp. *substellatum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium substellatum* Arv.-Touv. & Gaut. in Bull. Soc. Bot. France 40: 236. 1894 = *Hieracium substellatum* Arv.-Touv. & Gaut. subsp. *substellatum* [per Zahn in Engler, Pflanzenr. 75: 284. 1921].

Hieracium stelligerum subsp. *tordanum* (Zahn) Greuter, **comb. nov.** = *Hieracium pallidum* subsp. *tordanum* Zahn in Engler, Pflanzenr. 75: 226. 1921 = *Hieracium substellatum* subsp. *tordanum* (Zahn) Zahn in Magyar Bot. Lapok 25: 311. 1927.

Hieracium stirovacense subsp. *durmitoricum* (Rohlena & Zahn) Greuter, **comb. nov.** = *Hieracium scheppigianum* subsp. *durmitoricum* Rohlena & Zahn in Repert. Spec. Nov. Regni Veg. 6: 232. 1909 = *Hieracium flexicaule* subsp. *durmitoricum* (Rohlena & Zahn) Zahn in Engler, Pflanzenr. 77: 583. 1921 = *Hieracium durmitoricum* (Rohlena & Zahn) Niketić in Bot. Chron. (Patras) 16: 34. 2003.

Hieracium stirovacense subsp. *mirificissimum* (Rohlena & Zahn) Greuter, **comb. & stat. nov.** = *Hieracium mirificissimum* Rohlena & Zahn in Repert. Spec. Nov. Regni Veg. 6: 240. 1909.

Hieracium stirovacense subsp. *pieperi* (Zahn) Greuter, **comb. nov.** = *Hieracium flexicaule* subsp. *pieperi* Zahn in Denkschr. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 102: 359. 1931.

Hieracium thapsiformoides subsp. *albopellitum* (Zahn) Greuter, **comb. nov.** = *Hieracium plumulosiforme* subsp. *albopellitum* Zahn in Engler, Pflanzenr. 77: 599. 1921 = *Hieracium albopellitum* (Zahn) Niketić in Willdenowia 35: 230. 2005.

Hieracium thapsiformoides subsp. *pseudorienii* (Zahn) Greuter, **comb. & stat. nov.** = *Hieracium pseudorienii* Zahn in Engler, Pflanzenr. 77: 598. 1921.

Hieracium tomentosum subsp. *gnaphalodes* (Arv.-Touv.) Greuter, **comb. nov.** = *Hieracium gnaphalodes* Arv.-Touv. in Ann. Soc. Linn. Lyon, ser. 2, 34: 64. 1888 = *Hieracium subtomentosum* subsp. *gnaphalodes* (Arv.-Touv.) Zahn in Engler, Pflanzenr. 76: 553. 1921.

Hieracium transiens subsp. *abatanum* (Hayek & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *abatanum* Hayek & Zahn in Engler, Pflanzenr. 79: 1037. 1922.

Hieracium transiens subsp. *acrocymum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *acrocymum* Zahn in Engler, Pflanzenr. 79: 1040. 1922.

Hieracium transiens subsp. *aculeatissimum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *aculeatissimum* Zahn in Engler, Pflanzenr. 79: 1045. 1922.

Hieracium transiens subsp. *albanico-macedonicum* (O. Behr & al.) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *albanico-macedonicum* O. Behr & al. in Glasn. Skopsk. Naučn. Društva 20: 33. 1939.

Hieracium transiens subsp. *albellipes* (Schelk. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *albellipes* Schelk. & Zahn in Izv. Kavkaz'sk. Muz. 7: 139. 1913 $\equiv$ *Hieracium albellipes* (Schelk. & Zahn) Üksip in Komarov, Fl. SSSR 30: 75. 1960.

Hieracium transiens subsp. *amphitephrodes* (Sosn. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *amphitephrodes* Sosn. & Zahn in Věstn. Tiflissk. Bot. Sada 21: 16. 1912 $\equiv$ *Hieracium amphitephrodes* (Sosn. & Zahn) Üksip in Komarov, Fl. SSSR 30: 69. 1960.

Hieracium transiens subsp. *artabirens* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *artabirens* Zahn in Engler, Pflanzenr. 79: 1038. 1922 $\equiv$ *Hieracium artabirens* (Zahn) Üksip in Komarov, Fl. SSSR 30: 74. 1960.

Hieracium transiens subsp. *asterocymum* (Urumov & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *asterocymum* Urumov & Zahn in Magyar Bot. Lapok 13: 184. 1915.

Hieracium transiens subsp. *austromontenegrinum* (O. Behr & al.) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *austromontenegrinum* O. Behr & al. in Glasn. Skopsk. Naučn. Društva 20: 129. 1939.

Hieracium transiens subsp. *autranii* (Post) Greuter, **comb. & stat. nov.** $\equiv$ *Hieracium autranii* Post in Bull. Herb. Boissier 1: 25. 1893.

Hieracium transiens subsp. *balakderense* (T. Georgiev & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *balakderense* T. Georgiev & Zahn in Izv. Bulg. Bot. Druž. 4: 84. 1931.

Hieracium transiens subsp. *brandisianum* (PRAIN) Greuter, **comb. nov.** $\equiv$ *Hieracium brandisianum* [Zahn in Magyar Bot. Lapok 5: 83. 1906, nom. inval., ex] Prain, Index Kew., Suppl. 4: 109. 1913 $\equiv$ *Hieracium erythrocarpum* subsp. *brandisianum* (PRAIN) Zahn in Engler, Pflanzenr. 79: 1042. 1922.

Hieracium transiens subsp. *calomeres* (Urumov & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *calomeres* Urumov & Zahn in Magyar Bot. Lapok 13: 184. 1915.

Hieracium transiens subsp. *caloprasinum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *caloprasinum* Zahn in Věstn. Tiflissk. Bot. Sada 12: 20. 1908 $\equiv$ *Hieracium caloprasinum* (Zahn) Üksip in Komarov, Fl. SSSR 30: 73. 1960.

Hieracium transiens subsp. *ceahlavicum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *ceahlavicum* Zahn in Bul. Grăd. Bot. Univ. Cluj 13: 62. 1933.

Hieracium transiens subsp. *cinereisquamum* (Nejčeff & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *cinereisquamum* Nejčeff & Zahn in Magyar Bot. Lapok 5: 85. 1906.

Hieracium transiens subsp. *cryptonaeum* (Bornm. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *cryptonaeum* Bornm. & Zahn in Engler, Pflanzenr. 79: 1042. 1922 $\equiv$ *Hieracium cryptonaeum* (Bornm. & Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 430. 1975.

Hieracium transiens subsp. *erythrocarpoides* (Litv. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *erythrocarpoides* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 249. 1907 $\equiv$ *Hieracium erythrocarpoides* (Litv. & Zahn) Üksip in Komarov, Fl. SSSR 30: 76. 1960.

Hieracium transiens subsp. *erythrocarpum* (Peter) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* Peter in Nachr. Königl. Ges. Wiss. Göttingen, Math.-Phys. Kl. 1898: 44. 1898 $\equiv$ *Hieracium erythrocarpum* Peter subsp. *erythrocarpum* [per Nejčeff & Zahn in Magyar Bot. Lapok 5: 84. 1906].

Hieracium transiens subsp. *glomerellum* (Litv. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *glomerellum* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 249. 1907 $\equiv$ *Hieracium glomerellum* (Litv. & Zahn) Üksip in Komarov, Fl. SSSR 30: 70. 1960.

Hieracium transiens subsp. *heterodontoides* (Litv. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *heterodontoides* Litv. & Zahn in Repert. Spec. Nov. Regni Veg. 4: 257. 1907 $\equiv$ *Hieracium heterodontoides* (Litv. & Zahn) Üksip in Komarov, Fl. SSSR 30: 72. 1960.

Hieracium transiens subsp. *hypopoliocranum* (T. Georgiev & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *hypopoliocranum* T. Georgiev & Zahn in Izv. Bulg. Bot. Druž. 4: 84 1931.

Hieracium transiens subsp. *incomptum* (Nejčeff & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *incomptum* Nejčeff & Zahn in Magyar Bot. Lapok 5: 84. 1906.

Hieracium transiens subsp. *insolitum* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *insolitum* Zahn in Věstn. Tiflissk. Bot. Sada 22: 32. 1912 $\equiv$ *Hieracium insolitum* (Zahn) Üksip in Komarov, Fl. SSSR 30: 73. 1960.

Hieracium transiens subsp. *karagoellense* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *karagoellense* Zahn in Engler, Pflanzenz. 79: 1042. 1922 $\equiv$ *Hieracium karagoellense* (Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 431. 1975.

Hieracium transiens subsp. *karakolense* (Bornm. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium leithneri* subsp. *karakolense* Bornm. & Zahn in Repert. Spec. Nov. Regni Veg. Beih. 89: 417. 1944 $\equiv$ *Hieracium karakolense* (Bornm. & Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 431. 1975.

Hieracium transiens subsp. *kurvalae* (Rech. f. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *kurvalae* Rech. f. & Zahn in Repert. Spec. Nov. Regni Veg. 38: 348. 1935.

Hieracium transiens subsp. *laxifurcans* (Bornm. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *laxifurcans* Bornm. & Zahn in Engler, Pflanzenz. 79: 1037. 1922 $\equiv$ *Hieracium laxifurcans* (Bornm. & Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 431. 1975.

Hieracium transiens subsp. *leilae* (Rech. f. & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *leilae* Rech. f. & Zahn in Bot. Jahrb. Syst. 69: 530. 1939.

Hieracium transiens subsp. *leptobrachiopsis* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *leptobrachiopsis* Zahn in Magyar Bot. Lapok 10: 171. 1906.

Hieracium transiens subsp. *liberatidens* (T. Georgiev & Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *liberatidens* T. Georgiev & Zahn in Izv. Bulg. Bot. Druž. 4: 84. 1931.

Hieracium transiens subsp. *macrolepidiforme* (Zahn) Greuter, **comb. nov.** $\equiv$ *Hieracium erythrocarpum* subsp. *macrolepidiforme* Zahn in Věstn. Tiflissk. Bot. Sada 21: 8. 1912 $\equiv$ *Hieracium macrolepidiforme* (Zahn) Üksip in Komarov, Fl. SSSR 30: 69. 1960.

Hieracium transiens subsp. *macrolepioides* (Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *macrolepioides* Zahn in Repert. Spec. Nov. Regni Veg. 4: 258. 1907 = *Hieracium macrolepioides* (Zahn) Üksip in Komarov, Fl. SSSR 30: 69. 1960.

Hieracium transiens subsp. *mallopoderes* (Bornm. & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *mallopoderes* Bornm. & Zahn in Engler, Pflanzenr. 79: 1043. 1922 = *Hieracium mallopoderes* (Bornm. & Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 431. 1975.

Hieracium transiens subsp. *mallopodiodes* (Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *mallopodiodes* Zahn in Engler, Pflanzenr. 79: 1040. 1922.

Hieracium transiens subsp. *melanocarpum* (Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *melanocarpum* Zahn in Magyar Bot. Lapok 10: 172. 1911.

Hieracium transiens subsp. *microtricholepium* (T. Georgiev & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *microtricholepium* T. Georgiev & Zahn in Izv. Bulg. Bot. Druž. 4: 83. 1931.

Hieracium transiens subsp. *orthomeres* (Urumov & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *orthomeres* Urumov & Zahn in Magyar Bot. Lapok 13: 185. 1915.

Hieracium transiens subsp. *petrohanicum* (Urumov & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *petrohanicum* Urumov & Zahn in Allg. Bot. Z. Syst. 13: 57. 1907.

Hieracium transiens subsp. *phaedrochlorum* (Nyár. & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *phaedrochlorum* Nyár. & Zahn in Bul. Grăd. Bot. Univ. Cluj 8: 69. 1929.

Hieracium transiens subsp. *pollichiotropium* (T. Georgiev & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *pollichiotropium* T. Georgiev & Zahn in Izv. Bulg. Bot. Druž. 4: 83. 1931.

Hieracium transiens subsp. *pseudogypsophyllum* (Nyár. & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *pseudogypsophyllum* Nyár. & Zahn in Bul. Grăd. Bot. Univ. Cluj 8: 70. 1929.

Hieracium transiens subsp. *pynadenium* (Degen & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *pynadenium* Degen & Zahn in Magyar Bot. Lapok 10: 172. 1911 = *Hieracium erythrocarpum* subsp. *pseudopynadenium* Zahn in Engler, Pflanzenr. 79: 1036. 1922, nom. illeg.

Hieracium transiens subsp. *samurense* (Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *samurense* Zahn in Repert. Spec. Nov. Regni Veg. 4: 258. 1907 = *Hieracium samurense* (Zahn) Üksip in Komarov, Fl. SSSR 30: 68. 1960.

Hieracium transiens subsp. *sintenisii* (Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *sintenisii* Zahn in Engler, Pflanzenr. 79: 1043. 1922 [non *Hieracium sintenisii* Freyn 1892] = *Hieracium marmoricola* P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 244. 1974.

Hieracium transiens subsp. *stellidorsum* (Bornm. & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *stellidorsum* Bornm. & Zahn in Engler, Pflanzenr. 79: 1044. 1922 = *Hieracium stellidorsum* (Bornm. & Zahn) P. D. Sell & C. West in Notes Roy. Bot. Gard. Edinburgh 33: 431. 1975.

Hieracium transiens subsp. *stribrnyanum* (T. Georgiev & Zahn) Greuter, **comb. nov.** = *Hieracium erythrocarpum* subsp. *stribrnyanum* T. Georgiev & Zahn in Magyar Bot. Lapok 32: 32. 1933.

Hieracium transiens subsp. *variegatisquamum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium erythrocarpum* subsp. *variegatisquamum* Zahn in Věstn. Tiflissk. Bot. Sada 22: 31. 1912 ≡ *Hieracium variegatisquamum* (Zahn) Üksip in Komarov, Fl. SSSR 30: 75. 1960.

Hieracium transiens subsp. *winklerianum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium erythrocarpum* subsp. *winklerianum* Zahn in Bul. Grăd. Bot. Univ. Cluj 13: 63. 1933.

Hieracium transiens subsp. *xanthodermum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium erythrocarpum* subsp. *xanthodermum* Zahn in Izv. Bulg. Bot. Druž. 4: 85. 1931.

Hieracium transiens subsp. *zygosense* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium erythrocarpum* subsp. *zygosense* Zahn in Engler, Pflanzenr. 79: 1043. 1922.

Hieracium triadanum subsp. *epinephum* (Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium racemosum* f. *epinephum* Zahn in Engler, Pflanzenr. 79: 980. 1922 ≡ *Hieracium epinephum* (Zahn) Zahn in Glasn. Skopsk. Naučn. Društva 20: 127. 1939 [non Omang 1910] ≡ *Hieracium orosense* Gottschl. in Willdenowia 35: 233. 2005.

Hieracium triadanum subsp. *leucopannosum* (O. Behr & al.) Greuter, **comb. & stat. nov.** ≡ *Hieracium leucopannosum* O. Behr & al. in Glasn. Skopsk. Naučn. Društva 20: 127. 1939.

Hieracium umbellatum subsp. *elisabethae* (Kem.-Nath.) Greuter, **comb. & stat. nov.** ≡ *Hieracium elisabethae* Kem.-Nath. in Zametki Sist. Geogr. Rast. 17: 128. 1953.

Hieracium umbellatum subsp. *kluchoricum* (Kem.-Nath.) Greuter, **comb. & stat. nov.** ≡ *Hieracium kluchoricum* Kem.-Nath. in Zametki Sist. Geogr. Rast. 17: 129. 1953.

Hieracium umbellatum subsp. *topae anum* (Prodán) Greuter, **comb. & stat. nov.** ≡ *Hieracium topae anum* Prodán in Bul. Ști. Acad. Republ. Populare Romîne, Sect. Biol. Ști. Agric., Ser. Bot. 9: 322. 1957.

Hieracium umbellatum subsp. *turfosum* (Kem.-Nath.) Greuter, **comb. & stat. nov.** ≡ *Hieracium turfosum* Kem.-Nath. in Zametki Sist. Geogr. Rast. 17: 130. 1953.

Hieracium umbrosum subsp. *abietinum* (Boiss. & Heldr.) Greuter, **comb. nov.** ≡ *Hieracium abietinum* (Boiss. & Heldr.) Boiss., Fl. Orient. 3: 872. 1875 ≡ *Hieracium vulgatum* var. *abietinum* Boiss. & Heldr. in Boissier, Diagn. Pl. Orient., ser. 2, 3: 105. 1856 ≡ *Hieracium vulgatum* subsp. *abietinum* (Boiss. & Heldr.) Fr. in Uppsala Univ. Årsskr. 1862: 98. 1862.

Hieracium umbrosum subsp. *oleicolor* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium integrifolium* [taxon] *oleicolor* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 640. 1906 ≡ *Hieracium integrifolium* subsp. *oleicolor* (Zahn) Zahn in Reichenbach, Icon. Fl. Germ. Helv. 19(2): 246. 1910 ≡ *Hieracium umbrosum* subsp. *suboleicolor* Zahn in Engler, Pflanzenr. 77: 795. 1921, nom. illeg.

Hieracium umbrosum subsp. *porimense* (Freyn & Vandas) Greuter, **comb. nov.** ≡ *Hieracium albinum* subsp. *porimense* Freyn & Vandas in Bull. Herb. Boissier 3: 668. 1895 ≡ *Hieracium porimense* (Freyn & Vandas) T. Durand & B. D. Jackson, Index Kew., Suppl. 1: 210. 1902.

Hieracium umbrosum subsp. *tenuissimum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium integrifolium* subsp. *tenuissimum* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamnten Naturwiss. 40: 638. 1906 ≡ *Hieracium tenuissimum* (Zahn) Prain, Index Kew., Suppl. 4: 122. 1913 ≡ *Hieracium umbrosum* subsp. *subtenuissimum* Zahn in Engler, Pflanzenr. 77: 792. 1921, nom. illeg.

Hieracium valde pilosum subsp. *adenodontum* (Zahn) Greuter, **comb. nov.** ≡ *Hieracium subelongatum* subsp. *adenodontum* Zahn in Schinz & Keller, Fl. Schweiz, ed. 2, 2: 327. 1905 ≡ *Hieracium adenodontum* (Zahn) Prain, Index Kew., Suppl. 4: 108. 1913 [non Arv.-Touv. & Gaut. 1897] ≡ *Hieracium porrectum* subsp. *adenodon* Zahn in Engler, Pflanzenr. 75: 125. 1921, nom. illeg. ≡ *Hieracium porrectum* subsp. *adenodontum* (Zahn) Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 191. 1930.

Hieracium valdepilosum subsp. *alfenzinum* (Evers) Greuter, **comb. nov.** = *Hieracium alfenzinum* Evers in Österr. Bot. Z. 43: 425. 1893 = *Hieracium subelongatum* subsp. *alfenzinum* (Evers) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1873. 1901 = *Hieracium porrectum* subsp. *alfenzinum* (Evers) Zahn in Engler, Pflanzenr. 75: 125. 1921.

Hieracium valdepilosum subsp. *elongatiforme* (Zahn) Greuter, **comb. nov.** = *Hieracium subelongatum* subsp. *elongatiforme* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1873. 1901 = *Hieracium elongatiforme* (Zahn) Prain, Index Kew., Suppl. 5: 128. 1921 = *Hieracium porrectum* subsp. *elongatiforme* (Zahn) Zahn in Engler, Pflanzenr. 75: 125. 1921.

Hieracium valdepilosum subsp. *glabrescens* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium elongatum* subsp. *glabrescens* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 218. 1886 = *Hieracium valdepilosum* subsp. *subglabrescens* Zahn, Hierac. Alp. Mar.: 122. 1916, nom. illeg. = *Hieracium subglabrescens* P. D. Sell & C. West in Bot. J. Linn. Soc. 71: 267. 1976.

Hieracium valdepilosum subsp. *porrectum* (Fr.) Greuter, **comb. nov.** = *Hieracium porrectum* Fr. in Nova Acta Regiae Soc. Sci. Upsal. 14: 106. 1848 = *Hieracium porrectum* Fr. subsp. *porrectum* [per Zahn in Engler, Pflanzenr. 75: 124. 1921].

Hieracium valdepilosum subsp. *subalpinum* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium elongatum* subsp. *subalpinum* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 214. 1886 [non *Hieracium subalpinum* Arv.-Touv. 1876] = *Hieracium valdepilosum* subsp. *subvaldepilosum* Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1867. 1901, nom. illeg. = *Hieracium subvaldepilosum* Prain, Index Kew., Suppl. 4: 121. 1913.

Hieracium valdepilosum subsp. *subelongatum* (Nägeli & Peter) Greuter, **comb. nov.** = *Hieracium subelongatum* Nägeli & Peter, Hierac. Mitt.-Eur. 2: 225. 1886 = *Hieracium porrectum* subsp. *subelongatum* (Nägeli & Peter) Zahn in Engler, Pflanzenr. 75: 125. 1921.

Hieracium vasconicum subsp. *amygdalinum* (Arv.-Touv. & Gaut.) Greuter, **comb. nov.** = *Hieracium amygdalinum* Arv.-Touv. & Gaut. in Bull. Soc. Bot. France 41: 371. 1894 = *Hieracium laurinum* subsp. *amygdalinum* (Arv.-Touv. & Gaut.) Zahn in Engler, Pflanzenr. 79: 927. 1922.

Hieracium vasconicum subsp. *dolosum* (Burnat & Gremli) Greuter, **comb. nov.** = *Hieracium dolosum* Burnat & Gremli, Cat. Hierac. Alp. Mar.: 41. 1883 = *Hieracium laurinum* subsp. *dolosum* (Burnat & Gremli) Zahn in Engler, Pflanzenr. 79: 926. 1922.

Hieracium vasconicum subsp. *lactescens* (Rouy) Greuter, **comb. nov.** = *Hieracium lactescens* Rouy, Fl. France 9: 379. 1905 = *Hieracium laurinum* subsp. *lactescens* (Rouy) Zahn in Engler, Pflanzenr. 79: 927. 1922.

Hieracium vasconicum subsp. *laureolum* (Arv.-Touv.) Greuter, **comb. & stat. nov.** = *Hieracium laureolum* Arv.-Touv., Monogr. Pilosella & Hieracium, Suppl.: 30. 1876 = *Hieracium laurinum* Arv.-Touv., Monogr. Pilosella & Hieracium, Add.: 18. 1879, nom. illeg.

Hieracium vasconicum subsp. *pseudoboreale* (Grecescu) Greuter, **comb. & stat. nov.** = *Hieracium pseudoboreale* Grecescu, Consp. Fl. Roman.: 375. 1898.

Hieracium vasconicum subsp. *tauryniae* (Zahn) Greuter, **comb. nov.** = *Hieracium laurinum* subsp. *tauryniae* Zahn in Engler, Pflanzenr. 79: 928. 1922.

Hieracium vindobonense subsp. *pseudobupleuroides* (Nägeli & Peter) Greuter, **comb. & stat. nov.** = *Hieracium pseudobupleuroides* Nägeli & Peter, Hier. Mitt.-Eur. 2: 74. 1886.

Hieracium vulgatum Fr., Fl. Hall.: 128. 1818-1819. – Neotype (designated here): Sweden: Blekinge, Spjutsbygd, 28.6.1892, Mellin & Puke in Dahlstedt, Herb. Hierac. Scand. 3, No. 98 (S).

The name *Hieracium vulgatum* has long haunted botanists and botanical literature, being used in different senses under different botanical traditions. It is clearly a confused name, yet no one so far has apparently dared to dispose of it or explicitly re-

ject it under ICBN Art. 57. The name *H. vulgatum*, which has formally to be handled in the context of “Flora hallandica” where it first appears (although it is usually cited from the somewhat later publication in the “Novitiae florae suecicae”), has not so far been formally typified, nor is any original material known. Whereas Nordic hieraciologists use *H. vulgatum* in the sense of *H. triviale* (Norrl.) Norrl. of the species group of *H. levicaule* Jord., the Zahn school accepted it for the complex that, for reasons of priority, has subsequently become known as *H. lachenalii* Suter. Zahn (in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(2): 553. 1934), one of the few who was aware of the early “Flora hallandica” usage of the name, formally equates it with *Hieracium lachenalii* subsp. *cruentifolium* (Dahlst. & Lübeck) Zahn. This is a plausible interpretation, and may perhaps have been based on the examination of an original specimen, but if so, that specimen is now obviously lost. The above neotype designation formalises Zahn’s conclusion and at the same time precludes further use of the name *H. vulgatum*, which in an aggregate sense is junior to *H. lachenalii* and at the segregate species level clearly cannot be applied to *H. cruentifolium* under the already mentioned Art. 57. W. Greuter

Hieracium waldsteinii subsp. *brandisii* (Freyn) Greuter, **comb. & stat. nov.** ≡ *Hieracium brandisii* Freyn in Bull. Herb. Boissier 3: 646. 1895.

Hieracium waldsteinii subsp. *ferdinandi-coburgii* (J. Wagner & Zahn) Greuter, **comb. & stat. nov.** ≡ *Hieracium ferdinandi-coburgii* J. Wagner & Zahn in Repert. Spec. Nov. Regni Veg. 38: 228. 1935.

Hieracium xanthoprasinophyes [Zahn in Ascherson & Graebner, Syn. Mitteleur. Fl. 12(3): 418. 1939, descr. germ., ex] Gottschl., **sp. nov.** – Holotype: Austria, “Tyrol, Verwallgruppe, 9026/2: Galtür, Erlengebüschränder auf Schipisten an der Kopsstraße nahe dem Schilift”, 1700 m, 22.8.1999, *Gottschlich* 38955 (B; isotypes distributed as *Hieracia Europaea Selecta* No. 100). – Diagnosis: *Hieracio picroide* simile sed differt foliis caulinis inferioribus basi breviter angustatis, superioribus late rotundatis, involucri phyllis pilis glanduliferis minus dense obsitis. – G. Gottschlich.

Jacobaea cilicia (Boiss.) B. Nord., **comb. nov.** ≡ *Senecio cilicius* Boiss., Diagn. Pl. Orient., ser. 2, 3: 37. 1856.

Jacobaea inops (Boiss. & Balansa) B. Nord., **comb. nov.** ≡ *Senecio inops* Boiss. & Balansa in Boissier, Diagn. Pl. Orient., ser. 2, 6: 101. 1859.

Jacobaea erucifolia subsp. *praealta* (Bertol.) Greuter & B. Nord., **comb. & stat. nov.** ≡ *Senecio praealtus* Bertol. in Opusc. Sci. 3: 183. 1819.

Jacobaea lycopifolia (Poir.) Greuter & B. Nord., **comb. nov.** ≡ *Senecio lycopifolius* Poir. in Lamarck, Encycl. Suppl. 5: 131. 1817 ≡ *Senecio erucifolius* subsp. *lycopifolius* (Poir.) Nyman, Consp. Fl. Eur.: 356. 1879.

Jacobaea mouterdei (Arènes) Greuter & B. Nord., **comb. nov.** ≡ *Senecio mouterdei* Arènes in Notul. Syst. (Paris) 14: 196. 1952.

Jacobaea ornata (Druce) Greuter & B. Nord., **comb. & stat. nov.** ≡ *Senecio aquaticus* var. *ornatus* Druce in Rep. Bot. Soc. Exch. Club Brit. Isles 6: 24. 1921 ≡ *Senecio aquaticus* subsp. *ornatus* (Druce) P. D. Sell in Sell & Murrell, Fl. Great Britain & Ireland 4: 556. 2006.

Jacobaea trapezuntina (Boiss.) B. Nord., **comb. nov.** ≡ *Senecio trapezuntinus* Boiss., Fl. Orient. 3: 393. 1875.

Picris asplenioides subsp. *saharae* (Coss. & Kralik) Dobignard, **comb. nov.** ≡ *Spitzelia saharae* Coss. & Kralik in Bull. Soc. Bot. France 4: 397. 1857 ≡ *Picris saharae* (Coss. & Kralik) Hochr. in

Annuaire Conserv. Jard. Bot. Genève 7-8: 235. 1904 ≡ *Picris coronopifolia* subsp. *saharae* (Coss. & Kralik) Maire in Jahandiez & Maire, Cat. Pl. Maroc: 836. 1934.

Rhodanthemum atlanticum subsp. *gelidum* (Maire) Dobignard, **comb. nov.** ≡ *Leucanthemum atlanticum* var. *gelidum* Maire in Bull. Soc. Hist. Nat. Afrique N. 14: 153. 1923.

Rudbeckia laciniata L.

N Mk: Makedonski Brod - village Suvodol, on the sandy sites, near r. Treska, 470 m, 12.6. 1997, leg. et det. V. Matevski (SKO). V. Matevski

Schlagintweitia Griseb.

Recent work on the phylogeny of *Hieracium* and allied taxa (Fehrer & al. in Molec. Phylogen. Evol. 42: 347-361. 2007) demonstrates convincingly that *Schlagintweitia* forms a clade of its own, basal to all other representatives of the group, and deserves recognition as a separate genus – which is corroborated by its morphologic distinctiveness. This genus is not, however, monotypic, as is often assumed. A molecular study carried out some time ago at the University of Tübingen, in cooperation with D. Begerow, has demonstrated that the morphologically related *H. huteri* (better known under its junior and illegitimate synonym *H. pallidiflorum*) also belongs here. The following combinations are therefore necessary.

G. Gottschlich & W. Greuter

Schlagintweitia huteri (Bamb.) Gottschl. & Greuter, **comb. nov.** ≡ *Hieracium huteri* Bamb. in Flora 40: 626. 1857 ≡ *Hieracium pallidiflorum* Hausm. in Verh. K.K. Zool.-Bot. Ges. Wien 8: 375. 1858, nom. illeg.

Schlagintweitia huteri subsp. *lantoscana* (Burnat & Gremli) Gottschl. & Greuter, **comb. nov.** ≡ *Hieracium lantoscana* Burnat & Gremli, Cat. Hierac. Alp. Mar.: 22. 1883 ≡ *Hieracium pallidiflorum* subsp. *lantoscana* (Burnat & Gremli) Zahn in Koch, Syn. Deut. Schweiz. Fl., ed. 3: 1899. 1901.

Schlagintweitia huteri subsp. *subpicroides* (Zahn) Gottschl. & Greuter, **comb. nov.** ≡ *Hieracium pallidiflorum* subsp. *subpicroides* Zahn in Neue Denkschr. Allg. Schweiz. Ges. Gesamten Naturwiss. 40: 663. 1906 ≡ *Hieracium subpicroides* (Zahn) Prain, Index Kew., Suppl. 4: 121. 1913.

Senecio breviflorus (Kadereit) Greuter, **comb. & stat. nov.** ≡ *Senecio flavus* subsp. *breviflorus* Kadereit in Bot. Jahrb. Syst. 104: 510. 1984 ≡ *Senecio mohavensis* subsp. *breviflorus* (Kadereit) M. Coleman in Edinburgh J. Bot. 58: 392. 2001.

Silybum marianum (L.) Gaertn.

A Sr: E Serbia, c. 5 km E of Niš, Gornja Vrežina, Gradac Hill, 43°20'N, 21°59'E, 380 m, 2.10.1999, *Niketić ko19991002/I* (BEO). – This species is native in the Mediterranean region and SW Europe, having been introduced as a medicinal and ornamental plant elsewhere in Europe, S, W, and Central Asia, California, Australia and New Zealand. In some of these regions it became an invasive weed. The first specimen to be collected in Serbia was found growing wild on fallow ground. Significant cultivation of *Silybum marianum* in Serbia only dates back twenty years, and it is possible that this casual subspontaneous occurrence is a first step toward naturalisation. M. Niketić

Taraxacum acrolobum Dahlst. [= *T. paradoxum* Palmgr.]

+ Rf(N): Karelian Republic, Vieljärvi [Vedlozero]: Vallittu, Panfilovin vainion laidalla, 30.5.1943, *Railonsala* (H 119152, 160391, 160393, 160389); *ibid.*, Otraniemi, nurmikolla, 7.6.1944, *Railonsala* (H 160388); *ibid.*, pientarella, 7.6.1944, *Railonsala*

(H 160398); *ibid.*, aholla kylän itäpuolella, 8.6.1944, *Railonsala* (H 160397); *ibid.*, tien vierellä kylän kaakkoispuolella, 8.6.1944, *Railonsala* (H 160396); Jyrkilä [Yurgilitsa], koulun pihassa, 16.6.1944, *Railonsala* (H 160387); Pihtilahti, koulun perunamaan pientarella, 05.6.1944, *Railonsala* (H 160395); *ibid.*, Ivanovin pellon pientarella, 28.5.1943, *Railonsala* (H 160390); Kukkajärvi, pientarella kylän pohjoispuolella, 10. 6.1944, *Railonsala* (H 160392); *ibid.*, tien vierellä kylän eteläpuolella, 11.6.1944, *Railonsala* (H 160394). – First documented report for the Karelian Republic. Previously reported for Russia from the biogeographic province Kol (Såltin in Lounais-Hämeen Luonto 18: 4. 1965), an area that, along with the Karelian Republic, includes the north-easternmost part of the Leningrad Region, until the Svir River valley. The voucher specimens were variously identified by A. Railonsala as *Taraxacum falcatum* Brenner, *T. leptolobum* Dahlst. ex Hagl., *T. jervikylense* H. Lindb. and *T. paradoxum*, then identified as *T. paradoxum* by A. Palmgren in 1952.

A. N. Sennikov

***Taraxacum amplum* Markl.**

- + **Rf(N):** Karelian Republic, Sortavala: seminariet, 20.6.1938, *Lindberg* (H 101636, 101637); Petrozavodsk: Kukkovka, Sortavala str. / Rovio str., ruderal meadow by the buildings, 21.5.2002, *Timofeeva* (PTZ). – First documented report for the Karelian Republic. The record from Sortavala was included without specification in the biogeographic province KI (nowadays: Finland and Karelian Republic) by Marklund (in Acta Bot. Fenn. 26: 57. 1940). The collection from Petrozavodsk was identified by Øllgaard and Räsänen, January 2003.

A. N. Sennikov, H. Øllgaard & J. Räsänen

***Taraxacum ancistrolobum* Dahlst.**

- + **Rf(NW):** Leningrad Region, Kexholm [Priozersk], gräslinda i staden, 9.6.1910, *Marklund* (H 102395); *ibid.*, linnan luona, 3.6.1994, *Sonck* (H 716276). – Never directly reported for Russia. The record from Priozersk was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Marklund (in Acta Bot. Fenn. 26: 58. 1940). The Sonck collection was identified by Øllgaard in 1996.

A. N. Sennikov & H. Øllgaard

***Taraxacum atrimarginatum* H. Lindb.**

- + **Rf(N):** Karelian Republic, Impilahti: Kitelä, Syskyänsaari, trädgårdsjord vid klostret, 6.6. 1932, *Pettersson* (H 102798); *ibid.*, gräsbevuxen mark på klostergården, 6.6.1932, *Pettersson* (H 102799); *ibid.*, Jylhävaara, gräsmark i trädgård, 6.6.1932, *Pettersson* (H 102800); Sortavala: Kirjavalahiti, trädesåker, 30.5.1910, *Arvonen* (H 102809); *ibid.*, odlad äng, 28.5.1910, *Arvonen* (H 102811); *ibid.*, strandäng, 28.5.1910, *Arvonen* (H 102812); *ibid.*, Orjatlampi, odlad äng, 31.5.1910, *Arvonen* (H 102810) & 1.6.1910, *Arvonen* (H 102813, 102814); Vieljärvi [Vedlozero], Kukkajärvi, koulun pihassa, 10.6.1944, *Railonsala* (H 102794); *ibid.*, pientarella kylän pohjoispuolella, 10.6.1944, *Railonsala* (H 102797); *ibid.*, tien vierellä, Siilakansillan eteläpuolella, 16.6.1944, *Railonsala* (H 102796); *ibid.*, Kleissoilla, nurmikolla, Siilakanjärven luoteispuolella, 3.6.1944, *Railonsala* (H 102795); Pihtilahti, lehdossa kylän luoteispuolella, 3.6.1944, *Railonsala* (H 102793); *ibid.*, nurmikolla Siilakanjoen sillan luona, 1.6.1943, *Railonsala* (H 102790); *ibid.*, tien vierellä Siilakanjoen lähellä, 6.6.1943, *Railonsala* (H 102791, 102792). – First documented report for the Karelian Republic. Previously reported from the biogeographic provinces KI (Marklund in Acta Bot. Fenn. 26: 60. 1940) and Kol (Såltin in Lounais-Hämeen Luonto 18: 5. 1965) that included partly Finland, partly the Karelian Republic and north-easternmost part of the Leningrad Region, until the Svir River valley. The collections from Impilahti and Sortavala parishes were identified by A. Palmgren, those from Vedlozero mostly by A. Railonsala and subsequently verified by Palmgren.

A. N. Sennikov

Taraxacum concaviformatum Rail.

- + **Rf(N):** Karelian Republic, Kuusamo: Tavajoen S. puolella, lähellä Possosiiranjärven puron laskusuuta Aittalampeen, mättäisellä rämeletolla, 2.7.1938, *Laurila* (H 1268653); Salla: Tuutikylä, kansakoulun edustan hoitamattomalla nurmella, 27.6.1939, *Auer* (H 1268644). – Murmansk Region, Salla: Kutsajoki, Lintujärven ja Ylimm. Kursujärven välillä, *Trollius*-niityssä, 30.6.1939, *Auer* (H 1268655). – New to Russia. These specimens had first been identified as *Taraxacum croceum* by G. Marklund in 1942, then as *T. concaviformatum* by Øllgaard and C. E. Sonck in 1999.

H. Øllgaard & A. N. Sennikov

Taraxacum contractum Markl.

- + **Rf(N):** Karelian Republic, Petrozavodsk: Kukkovka, Sortavala str. / Rovio str., ruderal meadow, 16.5.2002, *Timofeeva* (PTZ). – New to Russia. Identifications by Øllgaard and Räsänen, January 2003.

H. Øllgaard, J. Räsänen & A. N. Sennikov

Taraxacum copidophyllum Dahlst.

- + **Rf(NW):** Leningrad Region, Viborg: Trångsund [Vysotsk], välgkant mellan brädgårdarna, 5.6.1932, *Marklund* (H 106257). – Never directly reported for Russia, and in fact new to the country. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Marklund (in *Acta Bot. Fenn.* 26: 70. 1940).

A. N. Sennikov

Taraxacum cordatum Palmgr.

- + **Rf(N):** Karelian Republic, Petrozavodsk: Kukkovka, Komsomol av. / Rovio str., ruderal roadside meadow, 16.5.2002, *Timofeeva* (PTZ); Petrozavodsk: central part, by the State Archive, ruderal grassland, 15.5.2002, *Rudkovskaya 11* (PTZ). – New to the Karelian Republic. Identification by Øllgaard and Räsänen, January 2003.

H. Øllgaard, J. Räsänen & A. N. Sennikov

Taraxacum cyanolepis Dahlst.

- + **Rf(NW):** Leningrad Region, Viborg: lund vid Pälli sluss, 12.6.1908, *Buch* (H 107565, 107569); Pälli, vid gästgifveriet, 12.6.1908, *Buch* (H 107566, 107568); Pälli, åker strax N om Kanalchefens bostad, 12.6.1908, *Buch* (H 107567, 107570). – Never directly reported for Russia, and in fact new to the country. The record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Marklund (in *Acta Bot. Fenn.* 26: 74. 1940); it was one of the original elements of *T. alatum* H. Lindb. (*Meddelanden Soc. Fauna Fl. Fenn.* 35: 25. 1909), an identification subsequently corrected by H. Lindberg and H. Sältin.

A. N. Sennikov

Taraxacum ekmanii Dahlst.

- + **Rf(N):** Karelian Republic, Petrozavodsk: Golikovka, between Povenetskaya str. and Meretkov str., Lososinskiy park, right river side, grassland, 15.6.2001, *Rudkovskaya 1042* (PTZ); central part, Gylling embankment, ruderal grassland, 22.5.2002, *Rudkovskaya 23* (PTZ); by the State Archive, ruderal grassland, 15.5.2002, *Rudkovskaya 12* (PTZ); Kukkovka, Komsomol av., green stripe between two road lines, 16.5.2002, *Timofeeva* (PTZ); Sortavala str. 8, ruderal grassland by the house, 15.5.2002, *Timofeeva* (PTZ); Sortavala str. 10, in asphalt cracks along a roadside, 17.5.2002, *Timofeeva* (PTZ); Sortavala str. 12, ruderal grassland by the house, 15.5. & 17.5.2002, *Timofeeva* (PTZ); Sortavala str. / Rovio str., ruderal meadow by the buildings, 21.5.2002, *Timofeeva* (PTZ). – New to the Karelian Republic. Identifications by Øllgaard and Räsänen, January 2003, and, for *Rudkovskaya 1042*, by Reinikka in 2001.

H. Øllgaard, J. Räsänen, E. Reinikka & A. N. Sennikov

Taraxacum expansum Florstr. [*T. haglundii* Markl. ined.]

- + **Rf(NW):** Saint-Petersburg, Terijoki [Zelenogorsk], gräslinda vid stationen, 8.6.1932, *Marklund* (H 112741, 112742); 10.6.1932, *Marklund* (H 112738-112740, 112743-112745, 118519). – Never directly reported for Russia, and in fact new to the country. The unpublished herbarium name *T. haglundii* was recorded for the biogeographic province Ik, without specification (Såltin in Lounais-Hämeen Luonto 18: 9. 1965). The specimen was identified as *T. expansum* by Kääntönen in 1971.

M. Kääntönen & A. N. Sennikov

Taraxacum hemicyclum G. E. Haglund

- + **Rf(N, NW):** Leningrad Region, Viborg: Rättijärvi, äng Ö om hotellet, 16.6.1908, *Buch* (H 114814); Trångsund [Vysotsk], gräsmark, 5.6.1932, *Marklund* (H 811573). – Karelian Republic, Petrozavodsk: Drevlianka, Lososinskoye chaussée / Berezovaya alley, ruderal grassland by the houses, 15.5.2002, *Kravchenko 9857* (PTZ); central part, by the State Archive, in the basement cracks, 15.5.2002, *Rudkovskaya 5* (PTZ); Pribrezhnyi park, 17.5.2002, *Rudkovskaya 14* (PTZ); Gylling embankment, ruderal grassland by the public beach, 22.5.2002, *Rudkovskaya 25a, 25b, 27a, 27b, 29-31* (PTZ). – New to Russia. The collections from Viborg were identified by H. Såltin in 1966, those from Petrozavodsk by Øllgaard and Räsänen, January 2003.

A. N. Sennikov, H. Øllgaard & J. Räsänen

Taraxacum homoschistum H. Øllg. [= *T. hastatum* Markl.]

- + **Rf(NW):** Leningrad Region, Viipuri [Viborg]: Saunalahti, Tykistökadun itäpäässä, 10.6.1938, *Erkamo* (H 656071); Monrepos, 5.1916, *Hintikka* (H 114612-114615); äng nära Monrepos, 1.6.1932, *Marklund* (H 114610, 114611). – First documented report for Russia. The collections from Viborg were identified as *T. hastatum* by G. Marklund in 1940. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Såltin (in Lounais-Hämeen Luonto 18: 9. 1965).

J. Räsänen & A. N. Sennikov

Taraxacum isthmicola H. Lindb.

- + **Rf(N):** Karelian Republic, Sordavala, strand, 5.1910, *Marklund* (H 115533). – First documented report for Karelian Republic. The original identification by G. Marklund was confirmed by H. Lindberg in 1942.

A. N. Sennikov

Taraxacum leptophyllum H. Lindb. ex Såltin

- + **Rf(NW):** Leningrad Region, Viborg, gräslinda i Papula-parken, 2.6.1932, *Marklund* (H 135705, 135707); välgant vid Havis, 4.6.1932, *Marklund* (H 135703, 135704). – First documented report for the Leningrad Region. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Marklund (in Acta Bot. Fenn. 26: 92. 1940). Identifications by G. Marklund.

A. N. Sennikov

Taraxacum lucescens Dahlst. [= *T. lindbergii* Markl. ex Puol.]

- + **Rf(N):** Karelian Republic, Sortavala, seminariet, 20.6.1938, *Lindberg* (H 147163-147165), 22.6.1938, *Lindberg* (H 147166). – First documented report for the Karelian Republic. This record was included in the biogeographic province Kl (nowadays: Finland and Karelian Republic), without specification, by Marklund (in Acta Bot. Fenn. 26: 97. 1940). Identifications by H. Lindberg.

A. N. Sennikov

Taraxacum macroceratodon H. Øllg., **nom. nov.** ≡ *Taraxacum macroceron* Rail. in Aquilo, Ser. Bot. 14, App.: 30. 1977 [non *Taraxacum macroceras* Dahlst. 1906]. Following a request for a binding decision, the Committee for Vascular Plants has, at a large majority, considered *T. macroceron* and *T. macroceras* to be confusingly similar names.

Taraxacum melittostylum H. Øllg., **nom. nov.** $\equiv$ *Taraxacum melinostylum* G. E. Haglund & Soest in Veröff. Geobot. Inst. ETH Stiftung Rübel Zürich 42: 137. 1969 [non *Taraxacum melanostylum* T. C. E. Fries 1908]. Following a request for a binding decision, the Committee for Vascular Plants has, at a large majority, considered *T. melinostylum* and *T. melanostylum* to be confusingly similar names. The intended meaning of the former epithet apparently was honey-styled, for which *melittostylum* is linguistically more correct.

Taraxacum olitorium G. E. Haglund [*T. pallidiflorum* Markl. ined.]

+ **Rf(NW)**: Leningrad Region, Viborg: Trångsund [Vysotsk], ängsmark nära brädgårdarna, 5.6.1932, *Marklund* (H 196945-196952). – New to Russia. The specimen, originally named *T. pallidiflorum*, was identified by Øllgaard in 2003.

H. Øllgaard & A. N. Sennikov

Taraxacum pallescens Dahlst.

+ **Rf(NW)**: Saint-Petersburg, Terijoki [Zelenogorsk]: Kuokkala [Repino], bangård, 11.6.1935, *Fagerström* (H 160106). – New to Russia. Identified by H. Sältin in 1967.

A. N. Sennikov

Taraxacum pallidulum H. Lindb.

– **Rf(N)**: The record of *Taraxacum pallidulum* for southern Karelia (Cvelev in Fl. Evr. Časti SSSR 8: 99. 1989) belongs to *T. canaliculatum* H. Lindb., that Cvelev treated in synonymy.

A. N. Sennikov

Taraxacum pannucium Dahlst.

+ **Rf(NW)**: Leningrad Region, Viborg: Trångsund [Vysotsk], brädgård, 5.6.1932, *Marklund* (H 160440-160443); *ibid.*, Ravansaari, 5.6.1932, *Marklund* (H 160438); Monrepos, 5.1916, *Hintikka* (H 160437, 160444); Viborg, gräslinda i parken vid Monrepos, 1.6.1932, *Marklund* (H 160439, 160445). – First documented report for the Leningrad Region. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Sältin (in Lounais-Hämeen Luonto 18: 13. 1965). The specimens were identified as *T. piceatum* Dahlst. by G. Marklund in 1932 or *T. sublacinosum* Dahlst. & H. Lindb. by H. Lindberg and Marklund in 1935 (Lindberg in Acta Bot. Fenn. 17: 22. 1935), then renamed *T. pannucium* by G. Haglund in 1952.

A. N. Sennikov

Taraxacum polyodon Dahlst.

+ **Rf(NW)**: Leningrad Region, Viborg: kulturpåverkad lund vid foten av Papula-backen, 2.6.1932, *Marklund* (H 161646, 161647). – First documented report for Russia; identifications by G. Marklund. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Sältin (in Lounais-Hämeen Luonto 18: 14. 1965). The voucher specimens on which the report for “Russia” (Puolanne in Memoranda Soc. Fauna Fl. Fenn. 8: 165. 1933) is based are not known.

A. N. Sennikov

Taraxacum pulcherrimum H. Lindb.

+ **Rf(NW)**: Leningrad Region, Viborg: Kolikkoinmäki, gräsmark, 2.6.1932, *Marklund* (H 099978). – First documented report for Russia; identifications by G. Marklund. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Marklund (in Acta Bot. Fenn. 26: 116. 1940).

A. N. Sennikov

Taraxacum puolannei Markl. ex Puol.

+ **Rf(N)**: Karelian Republic, Petrozavodsk: Kukkovka, Sortavala str. / Rovio str., ruderal meadow by the buildings, 17.5.2002, *Timofeeva* (PTZ). – New to Russia. Identification by Øllgaard and Räsänen, January 2003.

H. Øllgaard, J. Räsänen & A. N. Sennikov

Taraxacum purpureum Raunk. [= *T. polychroum* Ekman ex M. P. Christ. & Wiinst.]

- + **Rf(NW):** Leningrad Region, Viborg: Trångsund [Vysotsk], väggkant mellan brädgårdarna, 5.6.1932, *Marklund* (H 161535). – First documented report for Russia; identifications by G. Marklund. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Sältin (in Lounais-Hämeen Luonto 18: 14. 1965). A. N. Sennikov

Taraxacum retroflexum H. Lindb.

- + **Rf(N):** Karelian Republic, Petrozavodsk: Kukkovka, Komsomol av. / Rovio str., ruderal meadow, 16.5.2002, *Timofeeva* (PTZ); Sortavala str., lime alley, ruderal meadows, 21.5.2002, *Timofeeva* (PTZ); Sortavala str. / Rovio str., ruderal meadows, 21.5.2002, *Timofeeva* (PTZ). – New to the Karelian Republic. Identifications by Øllgaard and Räsänen, January 2003. H. Øllgaard, J. Räsänen & A. N. Sennikov

Taraxacum sellandii Dahlst.

- + **Rf(N):** Karelian Republic, Petrozavodsk: central part, Pribrezhnyi park, along the alley in the poplar grove, 15.6.2000, *Kravchenko* 8872 (PTZ); Pribrezhnyi park, 17.5.2002, *Rudkovskaya* 15 (PTZ). – New to Russia. Identifications by Øllgaard and Räsänen in 2002 (*Rudkovskaya* 15), and Reinikka in 2001 (*Kravchenko* 8872). H. Øllgaard, J. Räsänen, E. Reinikka & A. N. Sennikov

Taraxacum semiglobosum H. Lindb. [= *T. approximans* H. Lindb.]

- + **Rf(N):** Karelian Republic, Petrozavodsk: central part, Pioneers park, ruderal place (formerly buildings of 19th century), 22.5.2002, *Kravchenko* 9872 (PTZ); right river-side of Lososinka under the bridge, grassland slope, 22.5.2002, *Rudkovskaya* 22 (PTZ); Kukkovka, Komsomol av. / Rovio str., ruderal roadside meadow, 16.5.2002, *Timofeeva* (PTZ); Komsomol av., asphalt cracks along the pavement, 16.5.2002, *Timofeeva* (PTZ); Sortavala str., ruderal roadside meadow by the school No. 34, 16.5.2002, *Timofeeva* (PTZ). – New to the Karelian Republic. Identifications by Øllgaard and Räsänen, January 2003. H. Øllgaard, J. Räsänen & A. N. Sennikov

Taraxacum sphaeroidale H. Øllg., **nom. nov.** ≡ *Taraxacum sphaeroideum* Rail. in Aquilo, Ser. Bot. 14, App.: 50. 1977 [non *Taraxacum sphaeroides* Dahlst. 1911]. Following a request for a binding decision, the Committee for Vascular Plants has, at a large majority, considered *T. sphaeroideum* and *T. sphaeroides* to be confusingly similar names.

Taraxacum stenochistum Dahlst.

- + **Rf(NW):** Leningrad Region, Viborg, gräslinda i esplanaden vid Pantsarlahtigatan, 3.6.1932, *Marklund* (H 197316). – First documented report for Russia; identifications by G. Marklund. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Marklund (in Acta Bot. Fenn. 26: 123. 1940). A. N. Sennikov

Taraxacum subcanescens Markl. ex Puol.

- + **Rf(NW):** Leningrad Region, Viborg: ruderatmark vid ingången till Papula-parken, 7.6.1932, *Marklund* (H 197511, 197512); Repola, väggkant nära gården, 5.6.1944, *Marklund* (H 197513). – First documented report for Russia; identifications by G. Marklund. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Marklund (in Acta Bot. Fenn. 26: 124. 1940). A. N. Sennikov

Taraxacum subglaucescens Markl.

- + **Rf(N):** Karelian Republic, Petrozavodsk: Drevlianka, Lososinskoye chaussée / Berezovaya alley, ruderal grassland by the houses, 15.5.2002, *Kravchenko* 9854 (PTZ); central

part, “Yamka” park, left river side of Lososinka, 15.5.2002, *Rudkovskaya* 7-9 (PTZ); Gylling embankment, ruderal grassland, 22.5.2002, *Rudkovskaya* 28 (PTZ); Kukkovka, Sortavala str., ruderal meadow by the school 34, 16.5.2002, *Timofeeva* (PTZ); Sortavala str. 8, ruderal meadow by the buildings, 15.5.2002, *Timofeeva* (PTZ). – New to the Karelian Republic. Identifications by Øllgaard and Räsänen, Jan. 2003. H. Øllgaard, J. Räsänen & A. N. Sennikov

***Taraxacum subhuelpersianum* M. P. Christ.**

- + **Rf(NW):** Leningrad Region, Viborg: gräslinda i esplanaden vid Torkelsgatan, 5.6.1932, *Marklund* (H 134257, 134258, 134259). – New to Russia. Identified by Øllgaard in 1980. H. Øllgaard & A. N. Sennikov

***Taraxacum sublaeticolor* Dahlst.**

- + **Rf(N):** Karelian Republic, Sortavala, seminariet, 20.6.1938, *Lindberg* (H 197753-197757); Sordavala stad, äng, 24.5.1910, *Marklund* (H 197747-197749); Sortavala, satama, 1.6.1934, *Peltomaa* (H 197746); Sortavala: Helylä haltpunkt, 10.6.1910, *Arvonen* (H 197707, 197709); Helylä haltpunkt, 8.6.1910, *Arvonen* (H 197708); Helylä, äng, 4.6.1910, *Marklund* (H 197752). – Kol/Kar, Petrozavodsk: central part, by the State Archive, basement cracks, 15.5.2002, *Rudkovskaya* 4 (PTZ); Pribrezhnyi park, under maples, 17.5.2002, *Rudkovskaya* 20, 21 (PTZ); Kukkovka, Sortavala str. 12, ruderal meadow by the buildings, 17.5.2002, *Timofeeva* (PTZ). – First documented report for the Karelian Republic. The specimens from Sortavala, identified by G. Marklund and H. Lindberg, were included in the biogeographic province Kl (nowadays: Finland and Karelian Republic), without specification, by Marklund (in Acta Bot. Fenn. 26: 124. 1940). The collection from Petrozavodsk was identified by Øllgaard & Räsänen in January 2003. A. N. Sennikov, H. Øllgaard & J. Räsänen

***Taraxacum sundbergii* Dahlst.**

- + **Rf(NW):** Leningrad Region, Viborg: Trångsund [Vysotsk], gräsbevuxen väggkant mellan brädgårdarna, 5.6.1932, *Marklund* (H 201308). – First documented report for Russia; identifications by G. Marklund. This record was included in the biogeographic province Ka (nowadays: Finland and Leningrad Region of Russia), without specification, by Marklund (in Acta Bot. Fenn. 26: 127. 1940). A. N. Sennikov

***Taraxacum trilobatum* Palmgr.**

- + **Rf(N):** Karelian Republic, Kurkijoki: Opisto, Raholanjoen jokitörmällä Andersininmäelle vievän sillan luona, 3.6.1994, *Sonck* (H 710959, 710960). – New to the Karelian Republic. Identification by C.-E. Sonck. A. N. Sennikov

***Taraxacum tumentilobum* Markl. ex Puol.**

- + **Rf(N):** Karelian Republic, Kurkijoki: Andersininmäki, Sonckin talon edustalla, 3.6.1994, *Sonck* (H 713965). – New to the Karelian Republic. Identification by C.-E. Sonck, confirmed by Øllgaard in 1996. H. Øllgaard & A. N. Sennikov

***Taraxacum verecundum* G. E. Haglund [= *T. gracilentum* H. Lindb.]**

- + **Rf(N):** Karelian Republic, Sortavala, seminariet, 20.6.1938, *Lindberg* (H 200933-200935). – First documented report for Karelian Republic. This record was included in the biogeographic province Kl (nowadays: Finland and Karelian Republic), without specification, by Sältin (in Lounais-Hämeen Luonto 18: 9. 1965). Identifications by H. Lindberg. A. N. Sennikov

***Taraxacum vitellinum* Dahlst.**

- + **Rf(N):** Karelian Republic, Sortavala: etelärinne, 1.6.1934, *Peltomaa* (H 205539). – New to Russia. Identification by G. Marklund. A. N. Sennikov

Tragopogon porrifolius subsp. *eriospermus* (Ten.) Greuter, **comb. & stat. nov.** $\equiv$ *Tragopogon eriospermus* Ten., Fl. Med. Univ. 2: 3. 1822 [= *Tragopogon porrifolius* var. *brachyphyllus* Boiss., Fl. Orient. 3: 745. 1875 $\equiv$ *Tragopogon brachyphyllus* (Boiss.) Gand., Fl. Cret.: 67. 1916].

Address of the editors:

Prof. Dr W. Greuter & Eckhard von Raab-Straube, Botanischer Garten und Botanisches Museum Berlin-Dahlem, Freie Universität Berlin, Königin-Luise-Str. 6-8, D-14195 Berlin; e-mail: w.greuter@bgbm.org, e.raab-straube@bgbm.org