

be designated as such. It is originally based on the material collected by Georg Wilhelm Steller near Barguzin (Transbaicalia, now Buriat Republic) between 22nd of July and 18th of September, 1739 (dates from Andreev 1965). The provenance quoted for *Prenanthes polymorpha* var. *pygmaea* (Ledebour 1833) exactly corresponds to that of the other variety described by Gmelin, *Prenanthes polymorpha* var. *flaccida* Ledeb., and this discrepancy, along with an incorrect reference to Gmelin as the second collector, should be treated as a technical inaccuracy. Since the origin of the plant which was used for description by Ledebour is uncertain and its label is not reliable, I propose the quality illustration from Gmelin as the best lectotype choice for *Prenanthes pygmaea*, with the specimen as the epitype.

The lyrate-leaved form of the main variety was already recognised by Gmelin who described its diagnostic characters exactly repeated by Ledebour (1833), “foliis radicalibus lyratis: laciniis omnibus apice rotundatis”. No specimens are cited for this form by Ledebour, and nothing relevant has been traced, and therefore I suppose that Ledebour had no such plants at hands but just formalised the relevant part of Gmelin’s description. The further treatment of this taxon, already at varietal rank (Ledebour 1843–1846), linked it to the specimens of *Barkhausia nana* var. *lyratifolia* Turcz. ex DC. To fix this very logical treatment, I propose to designate the original material of *B. nana* var. *lyratifolia* Turcz. ex DC. as the neotype of the corresponding lyrate-leaved form described by Ledebour.

The other, a little bit taller variety of Gmelin with sublinear leaves was named *Prenanthes polymorpha* var. *flaccida* by Ledebour (1833). Gmelin (1749) says that the relevant plants were collected by Steller between Yakutsk and Okhotsk, so that the provenance given by Ledebour is also incorrect. The preference in typification is also given to the illustration from Gmelin cited by Ledebour, which corresponds well to Ledebour’s plant.

The main form of *Hieracium* No. 18 was provisionally assigned to *Prenanthes polymorpha* as its var. *altaica* Ledeb. (Ledebour 1833) but then correctly moved into the synonymy of *Ixeris versicolor* DC. (= *I. chinensis* (Thunb.) Nakai) in Ledebour (1841, 1843–1846) without any mention of the variety name. The illustration in Gmelin, Fl. Sibir. 2: Tab. 7, Fig. 1. 1749 is formally designated here as the lectotype of *P. polymorpha* var. *altaica*.

Taxonomic treatment

Subtribe *Ixeridinae* Sennikov, **subtrib. nov.**

Plantae annuae, biennes vel perennes, semirosulatae. Folia rosularia lyrata vel pinnatifida, rare linearia vel lanceolata. Calathidia anguste cylindrica, 5–15(30)-flora, homocarpa. Involucrum biseriale; phylla externa internis quadruplo breviora. Involucrum phylla extus glabra vel setulosa, vel pilis crispis pubescentia, interdum excrescentia apice ornata. Achenia cylindrica vel rostrata, sectione transversali rotundata vel (leviter) compressa, distincte costata, costis 5–10–15 majoribus et minoribus, interdum basi in tribus conjugatis. Pericarpium fasciculis vascularibus primariis 5 et interdum secundariis tractis. Pappus niveus, albus, stramineus vel fuscus, setulis glabris vel spinulatis, persistens, fragilis vel caducus. Numeri chromosomatum $n = 5, 7, 8$.

Annual, biennial or perennial plants. Shoots semirostrate. Basal leaves lyrate to pinnatifid, rarely linear to lanceolate. Capitula narrowly cylindrical, with 5–15 (30) flowers. Involucre biseriate, with the outer phyllaries 1/4–1/3 as long as the inner ones. Phyllaries glabrous or variously setulose outside, or pubescent with crispate hairs, sometimes crested at the apex. Heads homocarpic. Achenes cylindrical or beaked, terete to (slightly) compressed, distinctly to sharply ribbed, with 5–10–15 main and possibly some minor ribs, sometimes arranged in triplets. Pericarp with five primary and possibly some secondary vascular bundles. Pappus white, yellow or fuscous, smooth to spiculate, persistent, caducous or deciduous. Chromosomes $n = 5, 7, 8$.

Type: *Ixeris* Cass.

Genera included: *Ixeris* Cass. (*Chorisis* Cass.), *Crepidiastrum* Nakai (*Paraixeris* Nakai), *Ixeridium* (A.Gray) Tzvelev, *Askellia* W.A.Weber, *Tibetoseris* Sennikov, *Sonchella* Sennikov, *Crepidifolium* Sennikov, *Youngia* Cass.

1. *Ixeris* (Cass.) Cass. in Cuvier, Dict. Sci. Nat. 25: 62. 1822. — *Taraxacum* subgen. *Ixeris* Cass., Bull. Sci. Soc. Philom. Paris 1821: 173. 1821.

Type: *I. polycephala* Cass.

- = *Chorisis* DC., Prodr. 7: 177. 1838. — *Chorisma* D.Don, Edinburgh New Philos. J. 6: 308. 1829, non Lindl. ex Sweet 1821.

Type: *I. repens* (L.) A.Gray.

Recent revision: Pak & Kawano (1992).

2. *Crepidiastrum* Nakai, Bot. Mag. (Tokyo) 34: 147. 1920.

Type: *C. lanceolatum* (Houtt.) Nakai (lectotype, designated by Stebbins 1937: 45, confirmed in Pak & Kawano 1992).

- = *Paraixeris* Nakai, Bot. Mag. (Tokyo) 34: 155. 1920.

Type: *C. denticulatum* (Houtt.) Pak et Kawano (lectotype, designated by Stebbins 1937: 44, confirmed in Tzvelev 1964: 397).

Recent revision: Pak & Kawano (1992).

3. *Ixeridium* (A.Gray) Tzvel. in Bobrov & Tzvelev, Fl. URSS 29: 757. 1964. — *Ixeris* [unranked] *Ixeridium* A.Gray, Mem. Amer. Acad. Arts Sci., ser. 2, 6: 397. 1859.

Type: *I. dentatum* (Thunb.) Tzvel. (lectotype, designated by Tzvelev 1964: 388).

Recent revision: Pak & Kawano (1992).

4. *Askellia* W.A.Weber, Phytologia 55(1): 6. 1984. — *Crepis* sect. *Ixeridopsis* Babc., Univ. Calif. Publ. Bot. 22: 212. 1947.

Type: *A. nana* (Richardson) W.A.Weber.

Tufted or erect to slender perennial plants with thin vertical taproot or slender creeping rhizomes, with slender to woody caudex. Leaves with rotund to linear blade, distinctly petiolate, glabrous. Capitula with 5–15 flowers. Involucre biseriate, glabrous or tomentose throughout, with the inner phyllaries 8–10 mm long, flat or conspicuously crested at the apex, and the outer phyllaries 1/4–1/3 as long as the inner ones. Corolla 7–14 mm long, with a rather long tube. Achenes mostly stramineous, terete or fusiform and then shortly beaked,