

NEW TAXA OF GERANIUM L. FROM CHINA

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ABSTRACT. *Geranium kweichowense* Huang sp. nov. (Geraniaceae) is described, based on material previously identified, to genus only, by H. Léveillé. *G. ocellatum* Camb. var. *yunnanense* R. Knuth is raised to species rank as *G. tapintzense* Huang nom. et stat. nov.

Geranium kweichowense Huang, sp. nov.

Syn.: *Geranium* sp. Lévl., Fl. Kouy-Tchéou 176 (1914).

Haec species calyce sub fructu valvulis dense adpressis et totis rugis multis transversalibus instructis sine dubio ad Sect. *Lucidam* R. Knuth pertinens. Foliorum forma ad *G. tapintzense* accedit, floribus fructibusque minoribus, et etiam habitu toto plane ab eo manifeste diversa.

Annuum totum pilis patulis brevibus mollibus glandulosis obsitum. Caulis ascendens vel suberectus teres 15-20cm altus, e basi ramosus. Radix gracilis circa 5cm vel ultra longa. Folia basalia numerosa, longe petiolata, petiolis 6-12cm longis quam laminae diam. 3-6-plo longioribus, caulina opposita brevi-petiolata; lamina 1-1.5cm longa et 1.5-2cm lata, minora vix 1cm longa et circa 1cm lata, ambitu orbiculari-reniformis vel semi-orbicularis, usque ad $\frac{5}{6}$ - $\frac{6}{7}$ vel paullo ultra palmato-5-partita, lobis ambitu cuneato-obovatis, pinnatifido-trilobatis, lobulo medio vix elongato trilobulato, lobulis exterioribus extus dente ornatis vel trilobulatis. Stipulae filiformes, 2-3mm longae. Pedunculi biflori folio longiores; pedicelli 8-20mm longi; bracteae 1.5mm longae et $\frac{1}{3}$ mm latae; sepala ovato-lanceolata 3mm longa et 1.5-1.8mm lata, brevissime aristata, interiora glabra, exteriora pilis hyalinis patulisque glandulosis oblecta, trinervata, nervo medio in sicco manifeste prominente; petala calyce longiora, 5-6mm longa et 2-3mm lata, obovato-oblonga, apice rotundata, rosea ad basin macula intense atropurpurea notata glabra. Fructus maturus 13-14mm longus; rostrum minute pubescens; valvulae sparse puberulae totae rugis transversalibus multis instructae. Semina laevia, reniformi-ovoidea, circa 1mm longa.

CHINA: Kweichow province, Lo-fou, iii 1909, fleur rouge, *J. Cavalerie* 3615 (holo. E), and 3619 (E).

During my visit to Edinburgh in 1979 I had the opportunity to examine *Cavalerie* 3615 and 3619. These are undoubtedly conspecific, and represent this hitherto undescribed species, although *Cavalerie* 3615 was previously cited by Léveillé (loc. cit.) as '*Geranium* sp.'

G. kweichowense is characterized by its rose-coloured flowers each with a dark purple eye, and but its sepals which are rigid after flowering and wrinkled due to close adherence against the carpels. It is closely related to *G. ocellatum* var. *yunnanense* R. Knuth but I find the two taxa differ morphologically and ecologically as well as geographically. I also find that the latter is worthy of specific rank but because the epithet '*yunnanense*' is already occupied in *Geranium* a new name is required, as follows:

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***Geranium tapintzense* Huang, nom et. stat. nov.**

Syn.: *G. ocellatum* Camb. var. *yunnanense* R. Knuth in Engl. Pflanzenr. 53 (IV, 129): 62 (1912), non *G. yunnanense* Franchet (1889).

CHINA: Yunnan province, ta pin tze, dans les champs, 8 iii 1883, Delavay (holo. P).

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