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EDITED BY

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HAB. Two states of this plant are found. 1. Stem-leaves entire, radical ones hastate or lyrato-pinnate. Stony, arid places, Kooskooskie valley. June. 1-4 feet high, erect. Almost burning like a nettle. Corolla lurid. Radical leaves more or less pinnated. n. 413.—2. All the leaves entire. Clayey saline water-courses, hills of the Upper Platte, at Scott's Bluffs. Corolla bluish. June. n. 164; and stony places along the banks of rivulets, Spokane Plains. n. 538.

BORAGINEÆ, Juss.

1. *Myosotis flaccida*, Dougl. in Hook. Fl. Bor. Am. vol. ii. p. 82. De Cand. Prodr. vol. x. p. 113.

HAB. Sunny rocks, with "*Bartonia parviflora*." May. n. 348. On clay banks, trap-rocks, Kooskooskie and Spokane Rivers. June, July. n. 349.

2. *Myosotis glomerata*, Nutt.—Hook. Fl. Bor. Am. vol. ii. p. 82. tab. 162. *Eritrichium?* A. DC. Prodr. vol. x. p. 131. *Gonospermum myosotoides*, Nutt.

HAB. Moist saline calcareous clayey slopes of the Upper Platte hills. Flowers with the odour of *Heliotropium Peruvianum*. June, July. n. 70.

3. *Myosotis leucophæa*, Dougl. in Hook. Fl. Bor. Am. v. ii. p. 82. t. 163. *Eritrichium*, A. DC. Prodr. v. 10. p. 129.—*Dasymorpha longiflora*, Nutt. MS.

HAB. In the drift sand desert, between Upper Platte and Sweet-water Rivers, amongst *Opuntia Missourica*, growing with several species of *Hymenopappus*, and prostrate stemless species of *Erigeron*. July. n. 186.

4. *Myosotis Californica*, Fisch. et Mey.—*Eritrichium Californicum*, A. DC. Prodr. v. 10. p. 130. *Myosotis Chorisiana*, Nutt. MS. Hook. et Arn. in Bot. Beech. Voy. p. 152 (not Cham. nor Hook. Fl. Bor. Am.)

HAB. Stony places about springs, Missouri and Oregon territories, abundant about Tshimakeine. Prostrate. July. n. 548.

This differs somewhat from De Candolle's plant in the corollas being a little shorter than the calyces.

5. *Myosotis cymosæ* (Nutt.) affinis, sed carpellis lœvibus.

HAB. Moist sunny rocky slopes of the high plains towards Cœur d'Alene River, also on the Kooskooskie. May. n. 344.

With only one specimen I dare not venture to describe this species.

6. *Myosotis (Eritrichium) Texanæ*, A. DC., proxima, sed pedicelli fructiferi plerisque erecto-patentes, nec horizontales aut subdeflexi, et imprimis carpella granulosa, nec lœvia, trigona.

HAB. Gravelly banks of Upper Platte. July. n. 260.

7. *Myosotis* — ?

HAB. In the Kooskooskie valley, in rocky loamy places, growing with *Clarkia pulchella*. Flowers very conspicuous, bright orange. June. Annual or biennial. n. 339.

A large-growing species, from eight inches to a foot high, very hispid, with carpels which are solitary by abortion and ruguloso-tuberculate.

8. *Myosotis (Dasymorpha) tenella*, Nutt. MS.

HAB. Sunny rocky slopes of the mountains along the valley of Cœur d'Alene River. April. Corolla white with an ochre-yellow belt around the faux. n. 290.

9. *Myosotis sericea*, Nutt. MS.

HAB. Calcareous clayey cliffs, on the hills of the Upper Platte River. Flowers white. Plant prostrate. June. n. 89.

Too near, I fear, to *Myosotis (Eritrichium, A. DC.)*.

1. *Echinospermum floribundum*, Lehm.—Hook. Fl. Bor. Am. vol. ii. p. 84. t. 164.

HAB. Banks of rivulets, deep shady woods of the hills of Upper Platte River. July. n. 44.

1. *Lithospermum pilosum*, Nutt. De Cand. Prodr. vol. x. p. 79.

HAB. Grassy slopes of Cœur d'Alene Mountains. Many stems from one thick ligneous caudex. Corolla pale yellow. May. n. 605.

Mr. Nuttall detected this on the Flat-head River of the Rocky Mountains, and Mr. Tolmie has sent it to me from about Fort Vancouver.

1. *Mertensia paniculata*, Ait. (sub Pulmonar.). Hook. Fl. Bor. Am. ii. p. 87.

HAB. Deep shady defiles, in mountains of the Nez Percez country. 3-5 feet high. Male fl. June. n. 485.

2. *Mertensia oblongifolia*, Nutt. (sub Pulmonar.). De Cand. Prodr. x. p. 92.

HAB. Wet rocks, Upper Oregon, abundant on the Columbia, with the small *Fritillarias* and *Claytonia*. March, April. n. 316.

3. *Mertensia alpina*? Torr. (sub Pulmonar.). De Cand. Prodr. vol. x. p. 91. *Lithospermum strictum*, Gey. MS.

HAB. Fertile meadows in the Lower Platte valley, in shady grassy spots, under *Populus candicans*. May, June. n. 24.

This has narrower leaves than any authentic specimen of Dr. Torrey's *Pulmonaria alpina*; but it does not appear to be otherwise specifically distinct.

Coldenia? (*Sect. Stegnocarpus*) *Nuttallii*; annua procumbens dichotoma, foliis fasciculatis longe graciliterque petiolatis rhombeo-ovatis acutis hispidis, floribus axillaribus glomeratis, calycibus hispidis 5-partitis segmentis hispidis subulatis.—*Tiquilia parvifolia*, *Nutt. MS.*
HAB. Rocky Mountains, *Nuttall*, in Herb. Hook. On decomposed calcareous rocks in the sandy desert of muddy rivers near the great salt-lake Timpanagos. Never seen before nor afterwards. August. Flowers red. *Geyer.* n. 80.

Flores in dichotomiis ramorum sessiles aggregati, foliis floralibus et bracteis suffulti. *Folia* floralia longe petiolata, ovata, margine revoluta, venosa, pilis rigidis canescentia. *Bracteæ* subulatæ, hispidæ, apice pilis rigidioribus 1-2-aristatæ. *Calyces* 5-partiti, foliolis subulatis hispidis. *Corolla* infundibuliformis, tubo intus basi 5-squamato, fauce nuda, limbo patente 5-lobo. *Stamina* 5 parum inæqualia, prope basin tubi supra squamas inserta, tubo inclusa. *Ovarium* 4-lobum. *Stylus* intra lobos ovarii insertus, profunde bifidus, ramis apice capitato-stigmatiferis. *Nuculæ* 4, non acuminatæ, ultra medium usque ad insertionem styli cohærentes, maturitate solutæ, nitidæ, glabrae. *Embryo* exalbuminosus, cotyledonibus bipartitis, radicula accumbente cotyledonibus paulo longiore. *Benth.*

I am indebted to Mr. Bentham for the above note, drawn up from Mr. Geyer's imperfect specimens. It is unquestionably the *Tiquilia* (*Coldenia*) *parvifolia* of Nuttall's MS., but as there is a species evidently of the same genus in my herbarium from Peru, with much smaller leaves, I venture to change the name. A more complete analysis of this curious plant would probably prove it to belong to Dr. Hooker's genus *Galapagoa*, published in Linn. Trans. vol. xx. p. 196, as does also the *Coldenia dichotoma* of Lehmann (*Lithospermum dichotomum*, R. et P. t. 111), and *C.?* *canescens*, *De Cand.*, and the small-leaved *Coldenia* from Peru above mentioned.

LABIATÆ.

1. *Monarda fistulosa*, L.— β . *mollis*, *Benth.* in *Hook. Fl. Bor. Am.* v. 2. p. 112. *M. menthaefolia*, *Graham*, in *Bot. Mag. t. 2958.*
HAB. Thickets and rough places in the fertile parts of the Platte valley. July, August. n. 9.