

(or sometimes very minute and chaffy. *DC.*)—An annual glabrous or somewhat glaucous small herb, 4–12 inches high, branched from the base; the branches slender, erect or ascending, bearing 1–3 or several umbellate slender pedicels at the summit, and also frequently in the axils of the cauline leaves, mostly a little hispid near the summit, terminated by single small heads. Radical leaves obovate-oblong or lanceolate, entire or sparingly toothed, the primordial nearly sessile, the others tapering into petioles; cauline lanceolate, acute or acuminate, entire, sessile, partly clasping; the uppermost mostly opposite! Flowers yellow.

*A. humilis* (Ell.! l. c.)—*A. humilis* & *A. gracilis*, *DC.*! l. c.

*β. lyrata*: radical and lower cauline leaves (either some or all of them) variously lyrate-toothed or pinnatifid.—*A. lyratum*, *Nutt.*! in *jour. acad. Philad.* 7. p. 71, & in *trans. Amer. phil. soc. (n. ser.)* 7. p. 424. *Serinia cæspitosa*, *Raf. fl. Ludov.* p. 149? (*DC. prodr.* 7. p. 261.)

South Carolina! Georgia! and Florida! to Louisiana! Arkansas! and Texas! *β.* Louisiana, *Drummond!* *Dr. Hale!* Plains of Arkansas, *Nuttall,* *Dr. Pitcher!* &c. Texas, *Drummond!* April–June.—We cannot discover the ‘minute chaffy pappus’ in an original specimen of *A. gracilis*, *DC.*, nor find any appreciable difference in the achenia. In both Elliott’s and Nuttall’s plants, also, the pedicels are frequently furnished with bristly hairs towards the summit; and the irregular incision of the leaves in the latter is very inconstant.

Subtribe 2. *HYOSERIDÆ*, *Less.*—Receptacle not chaffy. Pappus simple or double, either wholly or partly chaffy, squamellate, or coroniform.

179. *KRIGIA*. *Schreb. gen.* p. 532; *Willd.*; *DC. prodr.* 7. p. 88.

Heads 15–30-flowered. Scales of the involucre 6–15, somewhat in a double series, equal. Receptacle naked. Achenia turbinate, many-striate, somewhat 5-angular. Pappus double; the exterior of 5 broad and rounded scarious chaffy scales; the inner (rarely wanting) of as many slender scabrous bristles alternating with the scales, and corresponding with the angles of the achenium.—Small annual (North American) herbs, branching from the base; the mostly lyrate or toothed leaves radical or nearly so; the naked branches or scapes long and slender, simple, terminated by solitary small heads. Flowers yellow.

§ 1. *Bristles of the pappus more or less exceeding the chaffy scales, but not longer than the terete achenium, sometimes entirely wanting: scales of the involucre 5–8, with a strong midrib, erect and carinate-navicular in fruit.*—

*CYMBIA*.

1. *K. occidentalis* (*Nutt.*): scapes very numerous from the same root, diffuse, simple, leafless, hispid; leaves either entire or lyrate; the exterior with the lamina or terminal lobe oval or roundish; the innermost lanceolate or narrowly linear; achenia equally many-ribbed, ciliolate-scabrous on the ribs which correspond with the bristles of the inner pappus, very minutely

reticulate-rugose by transverse lines.—*Nutt.!* in *jour. acad. Philad.* 7. p. 104, & in *trans. Amer. phil. soc. l. c.* p. 427.

*β. mutica*: bristles of inner pappus altogether wanting!

Arkansas, *Nuttall!* *Dr. Leavenworth!* Texas, *Drummond!* (*α.* & *β.* under no. 164.)—Scarcely a span high. Earlier radical leaves in shape not unlike those of *Cardamine bellidifolia*, sometimes lyrate-pinnatifid with several divisions; the later ones much more slender. One of two of the involucre scales are usually 2-3-nerved, and 2-3-carinate in fruit.—Except as to the pappus, the var. *β.* is not distinguishable from the ordinary form.

§ 2. *Bristles of the pappus much longer than the pentangular achenium: scales of the involucre 10-18, linear-lanceolate, nearly nerveless, spreading in fruit.*—EUKRIGIA.

2. *K. Virginica* (Willd.): scapes at length several, sparsely and minutely pubescent, especially near the apex; leaves somewhat glaucous; the primary orbicular or spatulate, mostly entire; the succeeding spatulate-oblong or lanceolate, lyrate-toothed, or sinuate-pinnatifid.—*Willd. spec.* 3. p. 1618; *Nutt.!* *gen.* 2. p. 127; *Ell. sk.* 2. p. 264; *Bigel. fl. Bost. ed.* 2. p. 289; *Darlingt.!* *fl. Cest.* p. 440; *DC.!* *l. c.* *Hyoseris Virginica*, *Linn. spec.* 2. p. 809; *Lam. jour. hist. nat.* 1. p. 22, t. 12; *Michx.!* *fl.* 2. p. 88. *Cynthia Virginica*, *Beck, bot.* p. 169, not of *Don.*

*β. dichotoma* (Barton): more caulescent; stems much branched near the base.—*K. dichotoma*, *Nutt.!* *l. c.*; *DC.!* *l. c.* *Hyoseris ramosissima*, *Bart. prodr. fl. Philad.*

Dry sandy grounds and rocks (rarely in wet places), Canada! to Louisiana! and Texas! May-Aug.—Scapes 1-10 inches high. Flowers deep yellow. Achenia minutely hispid-scabrous on the angles.—The var. *β.* is a summer state of the species.—*Dwarf Dandelion.*

3. *K. Caroliniana* (Nutt.): scapes solitary or several, slightly and sparsely pubescent, often somewhat hispid at the summit; primary leaves linear-lanceolate, acute at each end, entire or with one or two divaricate lobes on each side; the succeeding variously pinnatifid, runcinate, or incised, acute or obtuse.—*Nutt.!* *l. c.*; *Ell. l. c.*; *DC.!* *l. c.* *Hyoseris Caroliniana*, *Walt. Car.* p. 194.

*β. leptophylla*: leaves all linear-lanceolate, acuminate, either entire or with one or two slender divaricate lobes on each side.—*K. leptophylla*, *DC.!* *l. c.*

Carolina! to Florida, Alabama! and Texas! Feb.-May.—Scapes 1-12 inches high. Leaves very variable as to size, incision, &c.

‡ *Uncertain species.*

4. *K. montana* (Nutt. l. c.): very glabrous, procumbent; leaves lanceolate [or somewhat spatulate], entire; pappus double; the exterior minute chaffy scales and the bristles few. *Michx.*—*Hyoseris montana*, *Michx. fl.* 2. p. 87.

On the highest mountains of North Carolina, *Michaux.*

180. CYNTHIA. *Don. in Edinb. phil. jour.* 12. p. 305; *Less.*; *DC.*

Heads many-flowered. Scales of the involucre 12-15, linear-lanceolate, equal, somewhat in a double series, shorter than the corolla. Receptacle flat, foveolate. Achenia short, obscurely quadrangular, many-striate, not