

8. *Crepis wilsoni* sp. nov.

Perennial, 13–16 cm. high, with short vertical rootstock *ca.* 6 mm. in diameter and narrowed abruptly into a slender tap root with strong fibrous roots; radical leaves 6–8, up to 6 cm. long \times 1.5 cm. wide, oblong or broadly oblanceolate, acute or acuminate, runcinate-pinnatifid, segments 3–7 mm. broad, acute, mucronate and denticulate, attenuate toward base into a very short broad petiole with clasping base, margin retrorsely revolute, glabrous on both sides, midrib white and prominent beneath, brown and inconspicuous above, secondary veins leaving midrib at broad angles; lowest cauline leaves similar, the others linear, bract-like; stems 1–3, erect or somewhat curved, corymbosely few-branched, branches 1–2-headed, rather slender, terete, striate, like peduncles and involucre glabrous; peduncles 0.8–3.8 cm. long, arcuate; heads erect, medium, *ca.* 11-flowered; involucre cylindric, 7.5–8.5 mm. high; outer involucral bracts 7–8, very short, broadly ovate, acute; inner involucral bracts 7–8, lanceolate, acute, innermost membranous-margined, ventrally glabrous, becoming spongy-thickened dorsally near base in fruit; receptacle areolate, naked; corolla 12 mm. long; ligule 8.5 mm. long \times 1 mm. wide, teeth 0.5 mm. long, crowned with a few large glands; corolla-tube 3.5 mm. long, beset with short, hyaline trichomes; anther-tube 3.5 \times 1.2 mm. dissected (length/width = 3), appendages 0.6 mm. long, obtuse, united; style-branches yellow, 1.2 mm. long; achenes very pale brown, 3–3.5 mm. long \times 0.8 mm. wide, dorsoventrally compressed, oblong, definitely attenuate at summit with slightly expanded pappus-disk and at the calloused hollow base, *ca.* 15-ribbed, ribs unequal, finely barbellulate; pappus white, 5 mm. long, of rather coarse soft barbellulate bristles, persistent. Flowers yellow.

Central China in western Hupeh. Known only from the type locality. Collected by E. H. Wilson in June, 1901, No. 2168 (B, NY). On the type sheet in Berlin are two plants of this species which may be designated as No. 2168A and a third, the left-hand specimen, 2168B, which is an unknown species. On the duplicate sheet in New York is one plant of 2168A and parts of a specimen of 2168B.

Relationship.—This species is related to the following one. It is less close to *C. paleacea* Diels and its allies.

9. *Crepis pratti* sp. nov.

Perennial, about 50 cm. high, with slender tapering rootstock and strong fibrous roots, radical leaves few, up to 10 cm. long \times 1.5 cm. wide, oblanceolate, acute or acuminate, gradually attenuate into a winged petiole one-fourth to one-third as long as blade, runcinate-pinnatifid, with narrow remote obtusely mucronate segments, margin retrorsely revolute, glabrous on both sides, pale beneath, dark above, midrib brown on both sides, the veins leaving the midrib at narrow angles; lower cauline leaves similar, pinnately parted, middle and upper cauline leaves linear, becoming bract-like; stem erect, sinuate

or zigzag with the angles at the nodes, terete, striate and like peduncles and involucre glabrous, branched above the middle, the branches 3–15 cm. long including heads, slender, arcuate, dichotomously branched and rebranched, the aggregate inflorescence a compound paniculate corymb; peduncles 0.5–2.5 cm. long, very slender, not thickened near head; heads small, erect, *ca.* 10-flowered; involucre cylindric, 7.5–8.5 mm. high; outer involucre bracts 6 or 7, very short, obtuse; inner involucre bracts 7 or 8, lanceolate, acute or obtuse, becoming spongy-thickened dorsally near base at full maturity, ventrally pubescent with short shining appressed hairs; receptacle areolate, naked; corolla *ca.* 10 mm. long; ligule 7.5 mm. long \times 1.4 mm. wide, teeth 0.7 mm. long, copiously and finely glanduliferous; corolla-tube 2.5 mm. long, beset with short 2-celled hyaline trichomes; anther-tube 3.5×1.0 mm. (length/width = 3.5), appendages 0.7 mm. long, obliquely acute, united; style-branches yellow, 1.7 mm. long, slender; achenes brownish yellow, 2.5–3 mm. long, columnar, gradually attenuate from base to summit (not fully mature) with slightly expanded pappus-disk, slightly constricted above the calloused hollow base, *ca.* 12-ribbed, ribs unequal, four or five much broader, faintly rugulose; pappus yellowish white, *ca.* 5 mm. long, of one series of coarse stiff rather brittle barbellulate bristles, persistent.

China in western Szechwan and Tibetan frontier, chiefly near Tatsienlu, 2700–5000 m., *Pratt 63 = 114* (K). Known only from the type region.

Relationship.—Most nearly related to *C. wilsoni* but very distinct in the smaller achenes, the tall paniculate habit, involucre bracts pubescent within, venation of leaves, etc.

10. *Crepis yunnanensis* sp. nov.

Perennial, 20–30 cm. high, with vertical rootstock 5–6 mm. in diameter, brown with bases of old leaves, attenuate into a slender woody taproot with strong fibrous roots; radical leaves lacking; lower cauline leaves up to 9.5 cm. long \times 2 cm. wide, oblanceolate, acuminate, attenuate into a short winged petiole, runcinate-pinnatifid and dentate, principal segments triangular, remote, obtusely mucronate, margin retrorsely revolute, equally pubescent on both sides with crinkled hyaline several-celled trichomes containing brown deposits; middle and upper cauline leaves linear, sessile, becoming bract-like; stem forked at or near base into two nearly equal parts which are slender, terete, striate, fuscous-tomentulose near base and at nodes, branched above or with a few short branches lower down, branches short, arcuate, 1–3-headed, the aggregate inflorescence a compound paniculate corymb; peduncles 0.5–3 cm. long, sparsely tomentulose, becoming thickened and sulcate near mature heads; heads medium, erect, *ca.* 9-flowered; involucre cylindric, 12–13 mm. high; outer involucre bracts 5–9, very short, ovate, obtuse or acute; inner involucre bracts 8, lanceolate, acute, innermost broadly membranous-margined, outermost with a black dorsal median nerve and near tip a narrow wing or claw of same color as bract 1–1½ mm. long and obtuse or acuminate,