

**5. S. maritimus**, L. 2f .4 to .6 ; stems hollow, simple or with few branches. Leaves *linear-lanceolate*, entire or with few, sinuate teeth. Scales of involucre broad, obtuse, the outer oblong, the inner oblong-lanceolate ; akenes *with broad and thick margins*, and 3, elevated ribs — Spring — About Damascus.

### 109. ZOLLIKOFERIA, DC. ZOLLIKOFERIA.

Heads many- or few-flowered. Involucre imbricated. Receptacle naked. Akenes of 2 forms, the outer columnar-prismatic, rarely somewhat compressed at back, truncate, rarely somewhat tapering-beaked, velvety or transversely wrinkled-tubercled, the inner white, glabrous or smooth, truncate, not tapering. Pappus soft-hairy, flexible, hairs similar — Herbs, or shrubs with spiny, interlocked branches, and yellow flowers. Differs from *Lactuca* and *Sonchus* in the two sorts of akenes.

\* *Herbs. Akenes terete-prismatic, truncate or acutish.*

† *Heads ovate. Outer akenes velvety, smooth.*

**1. Z. mucronata**, Forsk. 2f .5 to .8, glabrous ; stem erect, dichotomous, and loosely corymbose. Lower leaves petioled, lanceolate in outline, bipinnatifid or -lobed, lobes oblong to linear, mucronate ; stem-leaves oblong, auricled-toothed or many-cleft at base. Scales of involucre white-margined, ovate to oblong, tip of outer ones contracted into an obtuse prickle ; akenes *4-horned at base* ; pappus *persistent, longer than akene* — April and May — Jordan Valley to et-Tîh, Sinai, and Egypt.

**2. Z. tenuiloba**, Boiss. ② *Ya'dîd*. .1 to .3, glabrous ; stem branching from neck. Root-leaves rosetted, elongated, pinnatifid into slender, linear, entire or sparingly denticulate, white-mucronate lobes ; stem-leaves with minute appendages at base. Outer scales of involucre ovate, abruptly white-tipped, inner linear-lanceolate ; pappus persistent, as long as akene — Spring — Coast from Beirût southward to et-Tîh.

**3. Z. Arabica**, Boiss. ② *Haudhân. Yamrûr. 'Udeid. Hadîdeh. Mureir*. .03 to .2, glabrous, branching from base ; stems thick, 1-4-headed. Leaves oblong-lanceolate in outline, pectinate-pinnatifid into oblong, callous-toothed lobes. Scales of involucre herbaceous, *not margined*, orbicular to elliptical and oblong, obtusely callous-tipped ; akenes silky, 4-angled, *hirsute at angles*, the short pappus persistent, longer than akene — March and April — Sinai and et-Tîh.

†† *Herbs. Heads cylindrical. Outer akenes wrinkled-muricate.*

**4. Z. nudicaulis**, L. 2f .3 to .5, loosely corymbose above. Root-leaves rosetted; oblong- to linear-spathulate in outline, runcinate, lobes cartilaginous-toothed ; stem-leaves few, small, *at the lower forks*. Heads short-pedicelled ; scales with broad, white margins, the lower triangular, *with a minute, spathulate-dilated tip* ; akenes scarcely compressed, 5-6-furrowed, *obtuse at tip* and obtusely ribbed ; pappus persistent — March — Sinai to Egypt.

**5. Z. fallax**, Jaub. et Sp. 2f *Marûrah. Huwwah*. .3 to .4, loosely corymbose. Root-leaves rosetted, oblong- to linear-spathulate in outline, runcinate, lobes cartilaginous-toothed. Scales of involucre

petioled, the rest with a short, winged petiole, auricled at base, all lyrate-pinnatisect, the terminal segment cordate or hastate, 3-5-lobed, the lateral lobes 2-3 on each side, decurrent, coarse-lobed. Peduncles elongated, filiform; heads cylindrical; scales glabrous, the lower minute, ovate, the upper lanceolate, obtuse; flowers sulphur-colored; akenes black, elliptical, compressed, 5-ribbed on each side, ending in a short beak.

Var. *sinuata*, Post (Bull. Herb. Boiss., III, 159). Lowest leaves not lobed, petiole narrow-winged, lamina obtusely 5-lobed or coarse-serrate; stem-leaves auricled at base, sinuate or obscurely angled-lobed on each side, ending in a broad-rhomboid, entire, coarse-serrate lobe, or this lobe hastate, or 5-serrate-lobed and serrate — August and September — Gaiour Dagh (Amanus).

PAGE 491. After *Z. glomerata*, Cass. **Z. Foxii**, Post. ☉ .1 to .25, glabrous; stems simple or forked. Root-leaves linear-lanceolate, tapering to a petiole, .06 to .08 long, .01 broad, coarsely incised-dentate and denticulate, with narrow, triangular teeth ending in a cartilaginous tip; cauline leaves oblong, decurrent, irregularly coarse-serrate. Heads solitary, .015 long, half to one-fourth as long as bracted peduncles; scales oblong-ovate, white-tipped; akenes white, fungous, appressed-silky, lateral wings hyaline, eroded, rather narrower than akene; pappus silky, twice as long as akene, persistent — April — Between Jebel Uşdum and 'Ain Jidi.

PAGE 502. Line 6, should be †† *Style glabrous below, hairy above*.

Line 7, read, in place of TRACHELIUM, TRACHELIOPSIS.

PAGE 507. Instead of TRACHELIUM.

**TRACHELIOPSIS**, Buser (Gen. Nov. Bull. Herb. Boiss., II, 524).

Flowers cream-colored, or pale blue. Sepals more or less linear, erect or spreading. Corolla funnel-shaped, lobes oblong-triangular, somewhat hooded at tip. Stamens 5, anthers linear, apiculate. Ovary inferior, 3-celled, ovules numerous. Style twice as long as corolla, glabrous below, hairy above, stigmas 3, lanceolate or lingulate. Capsule erect, pyriform, with pores at base. Seeds oblong, wheat-like or almond-shaped, tawny or yellowish, glossy, somewhat lined — Perennial herbs with fleshy root-stock and brittle stems. The two species described under Trachelium, p. 508, belong to this genus.

PAGE 526. After *V. canescens*. **V. parviflorum**, D.C. .3 to .6; stems erect, puberulent, stiff-branched. Leaves somewhat fleshy, rounded at base, petioled, ovate-oblong-obtuse<sup>2</sup> to lanceolate-tapering, .03 to .06 long. Umbels axillary, sessile or peduncled; pedicels longer than flowers; calyx-lobes triangular; corolla yellowish-red or purple, .003 broad, lobes oblong, obtuse; *crown reduced to 5, short, purple glands*; follicles linear-lanceolate, glabrous, .06 long — July — Haurân.

PAGE 532. After *C. Myxa*. **C. Gharaf**, Forsk. ♂ *Gharaf*. 3 to 5. Leaves short-petioled, *oblong-spathulate*, .04 to .06 long, .01 to .015 broad, minutely puberulent, light-green. Cymes loose; calyx-teeth broad-triangular, very short; corolla tube shorter than calyx, lobes rounded; anthers barely exerted or included; stigmas linear-club-shaped; drupe orange-colored, round-ovate, .007 long — July and August — 'Ain-Jidi.