

muricate, or spinulose near the apex, produced into a long, slender beak. *Pappus* pilose, pluriseriate. *DC. Prodr.* 7, p. 145.

Stemless herbs. Leaves all radical, entire or runcinate, mostly glabrous. Scapes 1-headed, fistular, longer than the leaves. Heads yellow. The well known "*Dandelion*" is the type of this genus.

1. T. fulvipilis (Harv.); glabrous; leaves very narrow, runcinate, sparingly toothed; outer inv. sc. erect; achenes compressed, multistriate, the striæ spinulose near the apex, smooth below; *pappus* tawny! *Hypochaeris?* 6176, *Drege!* in *Hb.*

HAB. On the flats between Los Tafelberg and Wildschutsberg, *Drege!* (Herb. Sond.)

Leaves 2-3 in. long, the rachis 1-2 l. wide. Scapes 4-5 in. high. Fl. heads small. This seems to be quite a *Taraxacum*; but its *pale-fulvous* pappus is unlike that of any other known species.

CLI. MICRORHYNCUS, Less.

Heads several-fl. *Inv.* cylindrical, the scales membrane-edged, the outer much shorter, imbricate, forming a calycle. *Recept.* nude. *Achenes* 4, rarely 5-angled, sub-rostrate, (the beak very short, not obvious in immature fruit), ribbed and furrowed; the ribs either smooth or cross-ridged, furrows narrow. *Pappus* multiseriate, pilose. *DC. Prodr.* 7, p. 180.

Glabrous, perennial herbs. Leaves coarsely toothed or pinnatifid. Flowers yellow. Name, *μικρος*, small, *βυγχος*, a beak.

1. M. Dregeanus (DC. l. c. 181); stems trailing, flagelliform; leaves fascicled at the nodes, obovate, or obovato-spathulate, tapering at base, sub-petiolate, closely callosio-denticulate; pedicels among the tufts of leaves, short, bracteate.

HAB. Omsamculo and Omcomas, *Drege!* Natal, *Rev. Mr. Hewetson!* T. *Williamson!* J. *Sanderson!* *Gerr. & McK.* 1016. (Herb. D., Hk., Sd.)

Trailing stems "sometimes 8-10 ft. long" (*Gerr. & McK.*). Lower leaves, 2-5 in. long, 1-1½ in. broad; upper seldom 1 in. long, ½ in. wide. Pedicels scarcely uncial.

CLII. SONCHUS, Linn.

Heads many-fl. *Inv.* imbricate. *Achenes* similar, wingless, compressed, beakless, longitudinally ribbed, the ribs often cross-ridged or muricate. *Pappus* soft, very white, multiseriate, the hairs very slender. *DC. Prodr.* 7, p. 184.

Herbaceous (rarely half-shrubby) plants, of very various aspect. Leaves entire or pinnatisect, runcinate or lyrate. Flowers yellow.—Name, *σονχος*, the sow-thistle, said to be from *σμφος*, spongy or hollow.

Root perennial:

Stem and lvs. *glaucous*; lvs. elongate, narrow, simple or runcinate, clasping (1) **Dregeanus.**

St. and lvs. *not glaucous*:

Stem nearly nude; rad. lvs. narrow, elongate, mostly runcinate, not clasping (2) **Ecklonianus.**

Stem leafy; lvs. stem-clasping, oblong, acute, denticulate (rarely subruncinate) (3) **integrifolius.**

Stem scarcely any; heads *sessile*, among rosulate, runcinate, radical leaves (4) **nanus.**

Root annual; leaves stem-clasping, *polymorphous*; stem tall, leafy (5) **oleraceus.**

1. **S. Dregeanus** (DC. l. c. 184); perennial, glabrous, glaucous; stem erect, terete; leaves linear-elongate, acuminate, the radical and lower either quite entire or variably runcinate, the lobes strongly recurved, taper-pointed, entire or toothed; upper cauline lvs. sagittate at base, stem-clasping, toothed or entire; heads subcorymbose, on a long, nude peduncle; inv. tomentose at base, the scales membrane-edged; achenes slightly tapering upwards, longitudinally many rib-striate, striæ smooth.

HAB. On the flats near Los Tafelberg; between Buffelvalei and Kraai rivier; near Gaatje; on the Sneeuweberg; and by the banks of the Zwartkops R., *Drege!* Zwartkops R., and near Smalldeel, Ceded Terr., *Zey!* Near Grahamstown, *P. MacOwan*, 531. (Hb. D., Hk., Sd.)

Mr. MacOwan's specimen is much more luxuriant than any I have seen from *Drege* or *Zeyher*, and the leaves, besides being *runcinate*, are toothed on and between the lobes; in the common forms the margin is quite entire betw. the lobes. Leaves 3-10 in. long, 3-8 l. wide.

2. **S. Ecklonianus** (DC. l. c. 184); perennial, glabrous, not glaucous; stem nearly nude, terete, subsimple or sparingly branched; leaves chiefly radical, linear-elongate, either entire, runcinate, or runcinatio-pinnatifid; cauline few, *sessile* (not sagittate at base); heads few, long-pedicelled; inv. subtomentose at base, the sc. membr.-edged; achenes slightly tapering upwards, longitudinally rib-striate, striæ smooth. *Lactuca Capensis*, *Sheets* 1, 3, in *Hb. Thunb.!*

HAB. Cape, *Thunberg!* *Ecklon!* Sides of Table Mt., Capetown, rare, *W. H. H.* Simon's Bay, *C. Wright*, 350. (Herb. Th., D., Sd.)

Very close indeed to *S. Dregeanus*, but not glaucous, of smaller size, and with fewer and less clasping cauline leaves. Radical leaves rosulate, 4-6 in. long. Stem 6-12 in. high, few-headed.

3. **S. integrifolius** (Harv.); perennial, glabrous, not glaucous; stem erect, terete, leafy, subsimple; leaves oblong or oblong-linear, acute, entire or the lower subruncinate, all strongly stem-clasping, and slightly adnate at base, the margin minutely callous-denticled; heads on very long pedicels; inv. quite glabrous, sc. 3-seriate, the inner membr. edged; achenes nearly linear, longitudinally ribstriate, the striæ smooth.

HAB. Natal, *T. Williamson!* *J. Sanderson!* Near D'Urban, *Gerr. & M'K.!* 315. (Herb. D.)

This has much broader, less tapering and more entire leaves than any of this section; the cauline leaves especially more thoroughly amplexicaul, and partly adnate. Leaves 4-5 in. long, 1-1½ in. wide.

4. **S. nanus** (Sond. in Herb.); perennial, glabrous, nearly stemless; radical leaves runcinate or pinnate-lobed, tapering at base, rosulate; heads subsessile among the radical leaves; inv. sc. broad, membr.-edged; achenes tapering upwards, much compressed, longitudinally rib-striate, the striæ smooth. *Compos. Z. n. N. n. E.*, 114. 10, *E. & Z.!*

HAB. Cape, *Ecklon and Zeyher!* (Herb. Sond.)

A very dwarf plant, probably from some alpine height. Leaves 4-5 in. long, mostly runcinate, like those of a *Dandelion*. Heads several, subsessile on a woody crown of root.

5. **S. oleraceus** (Linn. Sp. 1116); annual; stem erect, terete, glabrous,