

usually denticulate, sessile, $1\frac{1}{2}$ –6 in. long or the uppermost smaller, mostly cordate semiamplexicaul. Capitula $\frac{1}{2}$ –1 in. long. Involucral bracts broadly ovate $\frac{1}{4}$ – $\frac{3}{8}$ in. long.—Ascherson in Schweinf. Beitr. Fl. Æthiop. p. 154; *Picridium tingitanum*, Desf. Fl. Atl. ii. p. 220 (1800); DC. Prodr. vii. p. 182, cum syn.; *P. arabicum*, Hochst. et Steud. in Herb. Schimp. Arab. n. 833; DC. l.c.; A. Rich. Fl. Abyss. i. p. 466.

Nile Land. Abyssinia, *Schimper!* *Q. Dillon, Hildebrandt!* Nubia fide Schweinf. et Aschers. Enum. p. 286.

Widely spread under various forms in the Mediterranean region; occurs also in N.W. India.

115. **DIANTHOSERIS**, Schultz Bip.; Benth. et Hook. f. Gen. Pl. ii. p. 527.

Capitula homogamous, ligulate. Involucre broadly campanulate or hemispherical or cylindrical; bracts imbricated. Receptacle flat, naked. Ligule truncate, 5-dentate at the tip. Anther-base sagittate; auricles acute or shortly setaceous-acuminate. Style-branches slender. Achenes (immature) ∞ -costate, smooth, slightly constricted not beaked at the apex. Pappus copiously setose, smooth.—Dwarf or acaulescent herbs with fusiform roots, crowded leaves passing into the involucral bracts and yellow flowers.

A genus peculiar to this Flora.

Capitula many-flowered, sessile 1. *D. Schimperii*.
Capitula 9–10-flowered on short scaly scapes 2. *D. Rüppellii*.

1. **D. Schimperii**, Schultz Bip. in *Flora*, 1842, p. 440; et in *Herb. Schimp. Abyss.* ii. n. 755. Acaulescent perennial herb, with a thick dark tapering rootstock. Radical leaves numerous, in a rosette, spatulate or sublinear, obtuse, subentire or repand-denticulate, 1 – $1\frac{1}{2}$ in. long. Capitula sessile, broadly campanulate or hemispherical, $\frac{1}{2}$ –1 in. diameter, many-flowered. Involucral bracts green, imbricated; the outer ones ovate short; the inner lanceolate-oblong.—A. Rich. Fl. Abyss. i. p. 468.

Nile Land. Abyssinia, *Schimper!*

2. **D. Rüppellii**, Schultz Bip. in *Flora*, 1842, p. 440. About $1\frac{1}{2}$ in. high. Leaves numerous, forming a radical rosette, grey-green, lanceolate or linear-lanceolate with a callous tip and whitish callous teeth, glabrous, the larger to about 1 in. in length by $1\frac{1}{2}$ lines broad. Scape under $\frac{1}{2}$ in. with numerous lanceolate and ovate-lanceolate acuminate white-bordered squamæ, more numerous above and passing into the involucre. Capitula 9–10-flowered. Involucre cylindrical about 2 lines broad, scales glabrous, the outer much shorter than the inner, ovate and elongate-lanceolate with broad white membranous margins and herbaceous midrib which is thickened below; inner long bracts 5–8, linear-lanceolate. Corollas yellow when dry, red beneath.—Fresenius in Mus. Senck. iii. 77 (description without name).

Nile Land. Abyssinia, *Rüppell*.
Description taken from Fresenius, l.c.