

3-4 mm broad, linear, sometimes caudate-elongated; leaves, stems and scales tomentose (tomentum appressed, white, stellate, mucid). *Scape* 3-10 cm long, slender, arcuate or flexuous; the flowering 2-2.5 cm long, 0.6 cm in diameter; the fruiting 3-3.5 cm long, with irregularly imbricated and scarious-margined scales; the outer ovate-acute, 0.6 cm broad; the inner gradually tapering but blunt or nearly so at apex; rays purple. *Akenes* glabrous.

Differs from the type in its stellate, white indument (not glabrous).

SE; Kerman: between Kerman and Saidabad (Sirjan), between Mashiz and Khan-e-Sorkh, 2000-2500 m. above sea level, 27.IV.1948 (Rech. fil., Aellen and Esfandiari no. 3052 a flowers), Tchah-Tchoghuk (Tchafut) of Saidabad, 1900 m., 28. IV.1949 (Rech. fil., Aellen and Esfandiari no. 3052 b, fruit), between Kerman and Mahun, 1900, 6 May 1948) Rech, fil., Aellen and Esfandiari no. 7452). in the boreal slopes of the mount Djamal Barez between Bam and Djiroft (Sabzevaran) near Deh Bakri, in 1800 m. above sea level, 11.V.1948 (Rech. fil., Aellen and Esfandiari no. 3653).

III: 752 *SCORZONERA PICRIDIOIDES* Boiss. Fig. 24.

SE: Sirdjan of Kerman, spring 1956, hb. parsa 1017 (under *S. sirdjanica* Parsa).

III: 762, after *Scorzonera rigidia* Auch.

*SCORZONERA SAHNEA* Parsa, sp. nov. a *S. rigidia* Auch. involucri phyllis tomentosis (nec crispule puberulis), externis linearis (nec triangularis), flosculi albo-rosei (nec lut-ei) differt.

Perennis, rhizomate crasso 1-1.5 cm in diametro, nigro, verticali, pluricipiti, densissime et rigide squamato cespitoso, collo rudimentis foliorum nigrum oblecto stupposo. *Caulis* 4-5 cm alti, teretes, tenui, arcuati, nudiusculi, griseo-tomentosi, simplici, monocephali, folia sublongiore. *Folia* rosulata 20-25 mm longa et 1-1.5 mm lata, glauca, ensiforma, obtusiuscula, striata, a basi sessilia, longissime et molliter albo-floccosa in vaginam latam coriaceam petiolarem dilatatis; caulina nulla vel 1-2, 5-6 mm longa, filiformo-lineararia. *Capitula* 16-18 mm longa et sub 20 mm lata, mediocra ad apicem caulum solitaria, obconica, 8-11 flora; phylla 18-22, ab infimis brevis ad intimis elongatis, externo exceptis, adpressis, fere omnibus margine integris; phyllis involucri extimis 5-7 mm longis et 1.5-2 mm latis, linearis, copiose et molliter griseo-tomentosis; intimis 10-12 mm longis, 2-2.5 mm latis, subviridis, plus minusve et molliter griseo-villosis. *Flores* ca. 12-14 mm longi et 2-2.5 mm lati, involucri 1/5 longiori, albi, purpureo-striati; tubo antherarum luteo. *Achaenia* non videri.

Iran Occidentali: Sahneh, 27. IX. 1958, collect. Fahimi, hb. Parsa 10039.

Diffère de *Scorzoner rigida* Auch. par: involucre à bractées tomenteuses (non pubérulentes), les externes linéaires (non triangulaires), floscules d'un rose blanchâtre.

Plante vivace à racine épaisse (1.5 cm de diamètre), verticale, couverte à la base de rudiments noirs des feuilles de l'an dernier. Tige haute de 4-5 cm, ténue, arquée, presque nue, couverte d'un tomentum gris, simple, monocé-

phale, dépassant la longueur des feuilles. *Feuilles* de la rosette longues de 20-25 mm, larges de 1-1.5 mm, glauques, ensiformes, presque obtuses, striées, sessiles, longuement et mollement blanches-tomentueuses à la moitié inférieure (au reste peu tomenteux ou velu); feuilles caulinaires nulles ou au nombre de 1-2, filiformes-linéaires, longues de 5-6 mm. *Capitule* obconique, solitaire, médiocr, long de 16-18 mm, large environ de 20 mm, muni de 8-11 fleurs; bractées au nombre de 18-22, s'allongeant de l'extérieur vers l'intérieur; toutes, les internes exceptées qui sont presque étalées, appliquées, et aux rebords entiers; bractées externes linéaires, copieusement et mollement grises-tomentueuses, longues de 5-7 mm, larges de 1.5-2 mm; les internes presque verdâtres, plus ou moins et mollement grises-vélues. *Floscules* longs de 12-14 mm, larges de 2-2.5 mm, dépassant d'un cinquième la longueur de l'involucre, de couleur blanche, striés de pourpre; anthères à tube jaune. *Akènes* non vus.

A perennial plant; root 1-1.5 cm in diameter, vertical, covered with black, dead petioles of last year. *Stems* 4-5 cm, slender, arcuate, somewhat naked, covered with a greyish tomentum, simple, one-headed, exceeding the length of the leaves. *Root-leaves* 20-25 long, 1-1.5 mm broad, glaucous, ensiform, somewhat obtuse, striate, sessile, smoothly and long-white-tomentose at half its length (the rest somewhat tomentose or villous); stem-leaves 0 or 1-2, 5-6 mm long, filiform-linear. *Head* obconical, solitary, 16-18 mm long, about 20 mm broad, beset with 8-11 flowerets; bracts

18-22, gradually elongated from the outer to the inner; all, the inner excepted which are spreading, appressed, entire at margin; outer scales linear, copiously and smoothly grey-tomentose, 5-7 mm long, 1.5-2 mm broad; the inner somewhat greenish, more or less grey-villous; flowerets 12-14 mm long, 2-2.5 mm broad, one-fifth as long as the length of involucre, white, striate with purple; anther-tube yellow. *Akenes* wanting.

West: Sahneh of Kermanshah, Septembre 27, 1958, collected by Fahimi, hb. Parsa 10039. This material was not quite sufficient for determination. Fig. 25.

III: 764 *SCORZONERA TORTUOSISSIMA* Boiss. Fig. 26.

Central Persia: Mashad-Ardahal, 14. VII. 1957, vernacular name "Alaf-e-shir", collector Al-Yassin, hb. Parsa 0116 This may be a new species, because the outer phyllaries (scales) are very long, equalling the pappus, the material is not adequate for description.

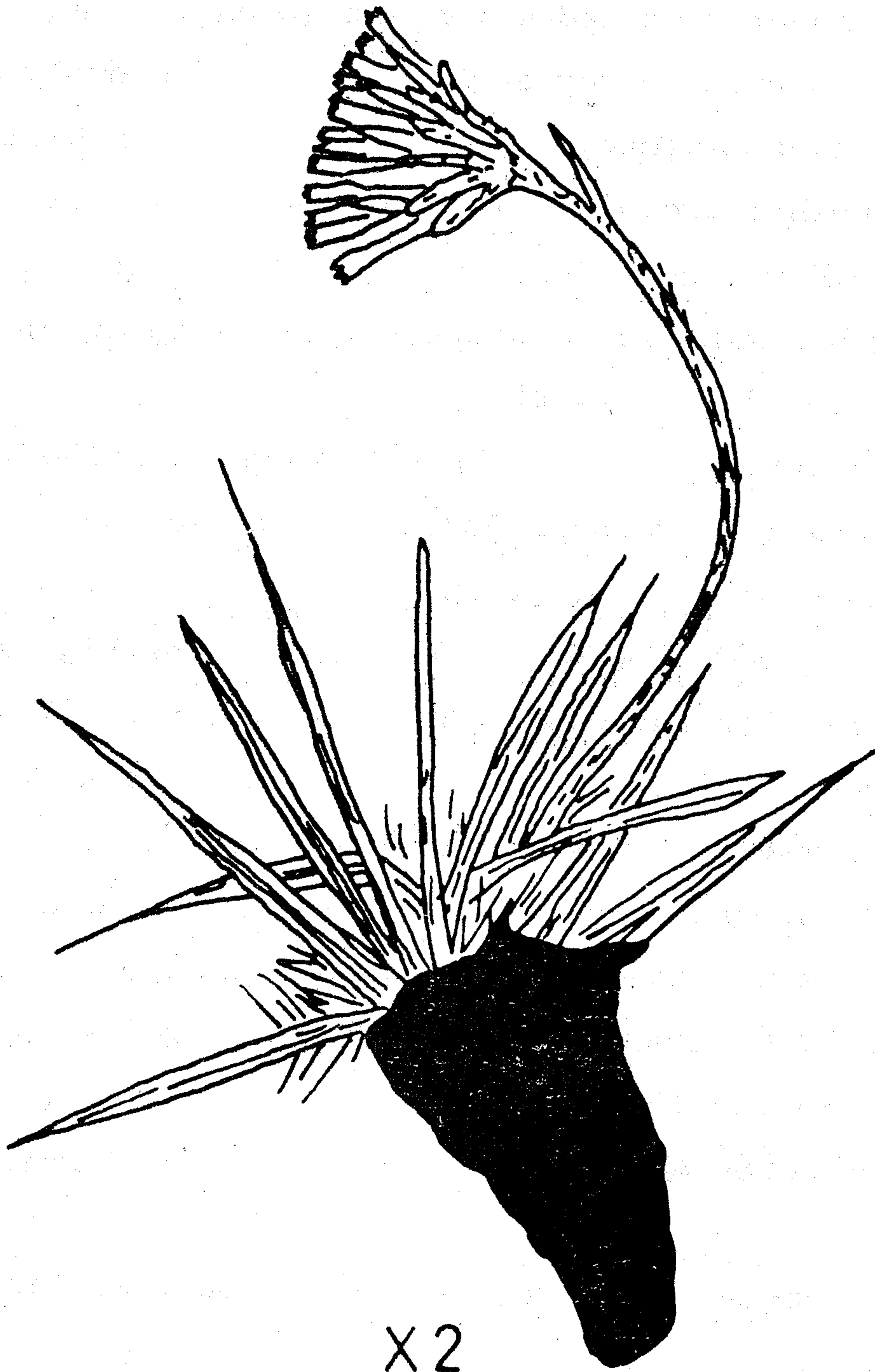
III: 779 *TARAXACUM BESSARABICUM* (Hornem.) Hand.-Mazz., Monogr. Tarax. 26 (1907).

Subsp. *BESSARABICUM* Van Soest-in Davis Fl. Turk. 5: 792 (1975).

Syn.: *Taraxacum fulvipile* Harv. & Sond. Fl. Cap. III: 527 (1859).

Origin. descr.:

Plante glabre, à feuilles très étroites, roncinées-dentées. *Bractées* externes de l'involucre dressées. *Akènes* comprimés, multistriés; stries spinuleuses près du sommet, lisses en dessous.



X 2

Fig. 25

III: 762. *Scorzonera Sahnea* Parsa