

NEW TARAXACUM SPECIES FROM AZERBAIJAN

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SUMMARY

Three new species of *Taraxacum* sect. *Erythrosperma* Dahlst. from Azerbaijan (Persia) are described: *T. azerbaijanicum*, *T. kalchainum*, and *T. ruberuliforme*.

Recent investigations by K. H. Rechinger in Azerbaijan 1971 have brought to light three new *Taraxacum* species belonging to sect. *Erythrosperma* Dahlst. This region and the neighbouring one of eastern Asiatic Turkey are rich in endemic *Taraxacum* species.

T. azerbaijanicum v. Soest, *spec. nov.*, fig. 1.

Planta 3–5 cm alta, sat grossa, basi valde crassa, araneosa. *Folia* lobata, petiolis pallidis angustis inclusa usque ad 10 cm longa, obscure viridia, subaraneosa, nervo mediano ± rufescente; lobi laterales utrinque 5–6, approximati, triangulares, patentes vel retroversi, acuti, ad 2 cm longi, dorso et margine inferiore curvato-dentato, interlobia sat lata, dense tortulo- et subulato-dentata, interdum sublobulata, ± atroviolacea; lobus terminalis hastato-sagittatus, ad 1.5 cm longus, lobuli basales curvati, acuti, lobulo apicali interdum brevissimo, deltoideo, acuto. *Scapi* floriferi foliis breviores, (sub involucro dense) araneosi. *Involucrum* turbinatum, 10–12 mm longum; squamae minute cornutae, exteriores 3–4 mm longae, lanceolatae, recurvae, sublate marginatae. *Calathium* 1.5 cm diametro, paulo radians, flavum. Ligulae marginales extus stria atro-violacea notatae. Antherae vacuae; stylus sicut stigmata nigrescenti-coloratus. *Achenium* rubro-lateritium, pyramide inclusa 4.5 mm longum, angustum, superne dense spinulosum, ceterum rugosum, in pyramidem cylindricam (spinulis praeditam) 1.3 mm longam sensim abiens. Rostrum 8–9 mm longum; pappus albus, 5 mm longus.

HOLOTYPUS: Persia, Azerbaijan orient., in collibus trachyticis, 37–40 km NNW Ardabil versus Germi, 1350 m alt., 18.5.1971, Rechinger 33977 (W); *isotypus* in herb. v. Soest.

T. kalchainum v. Soest, *spec. nov.*, fig. 2.

Planta c. 1 dm alta, basi fragmentis foliorum veterum valde incrassata, araneosa. *Folia* glabra, obscurissime viridia, petiolis (nervoque mediano praesertim parte inferiore rubroviolaceo-colorato) brevibus angustis, exteriora obovata, retro-

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verso-denticulata, interiora utrinque 2–3(–4)–loba; lobi laterales late triangulares, 0.5–1.5 mm longi, acuti, dorso \pm convexo integro vel saepe 1–2 dentibus brevibus munito, margine inferiore recto integro, interlobia brevissima, lobus terminalis hastatus, interdum \pm incisus, parce breviterque dentatus vel integer. *Scapi* floriferi foliis aequilongi vel ea superantes, parce, sub involucro dense araneosi. *Involucrum* obscure viride, 13–15 mm longum; squamae exteriores adpressae, ovatae, saepe 6 mm longae, 3.5 mm latae, nigrae, conspicue anguste albo-marginatae, \pm callosae, interiores laeves. *Calathium* paulo (?) radians, c. 1.5–2 cm diametro, flavum. Ligulae marginales planae, extus stria atro-violacea notatae. Antherae minute polliniferae; stylus sicut stigmata nigrescens. Floret vere. *Achenium* rubro-lateritium, pyramide inclusa 5 mm longum, dense breviter spinulosum, in pyramidem cylindricam 1.5 mm longam abrupte abiens. Rostrum 7–8 mm longum; pappus albus, 6 mm longus.

HOLOTYPE: Persia, Azerbaijan occid., Maku, in saxosis calcareis, 1300–1400 m alt., Rechinger 39227 (W); *isotypus* in herb. v. Soest; *cotypus fructifer*: Rechinger 39229 (W).

T. ruberuliforme v. Soest, spec. nov., fig. 3.

Planta sat parva, 3–5 cm alta, basi incrassata. *Folia* prasino-viridia, araneosa, lobata, petiolis (nervoque mediano praesertim parte inferiore vinoso-colorato) angustis; lobi laterales superiores approximati, triangulares, 5–10 mm longi, retroversi, dorso valde retroversi-dentato, margine inferiore integro; interlobia paulo evoluta, \pm non-dentata; lobus terminalis indistincte determinatus, 1–2 cm longus, incisus et dentatis, subacutus vel subobtusus. *Scapi* curvati, araneosi. *Involucrum* c. 12 mm longum, subturbanatum. Squamae exteriores lanceolatae, recurvae, laete purpurascentes, sublate marginatae, pro parte atroviolaceo-corniculatae, interiores laeves. *Calathium* ad 3 cm diametro, luteum. Ligulae marginales extus stria cano-purpurea notatae. Antherae polliniferae. Stylus sicut stigmata sordide luteus. *Achenium* stramineum, pyramide inclusa 4.5 mm longum, superne spinulosum, ceterum rugosum, basi laeve, in pyramidem 0.8 mm longam subabrupte abiens. Rostrum 7 mm longum; pappus albus, 5 mm longus.

HOLOTYPE: Persia, Azerbaijan orient., in collibus trachyticis, 37–40 km NNW Ardabil versus Germi, 1350 m alt., 18.5.1971, Rechinger 33976 pro parte (W); *isotypus* in herb. v. Soest.

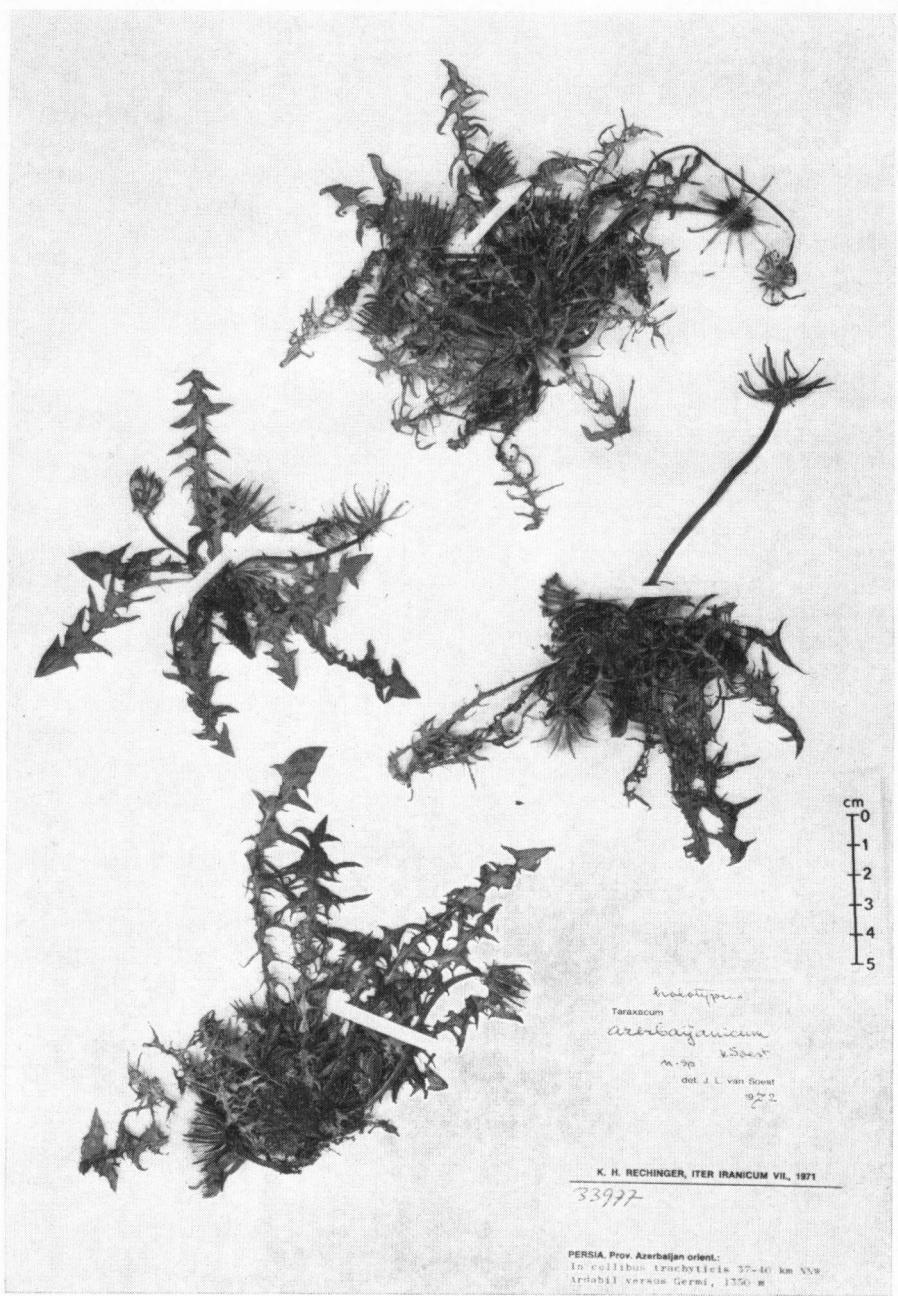


Fig. 1. *T. azerbaianicum* v.S.

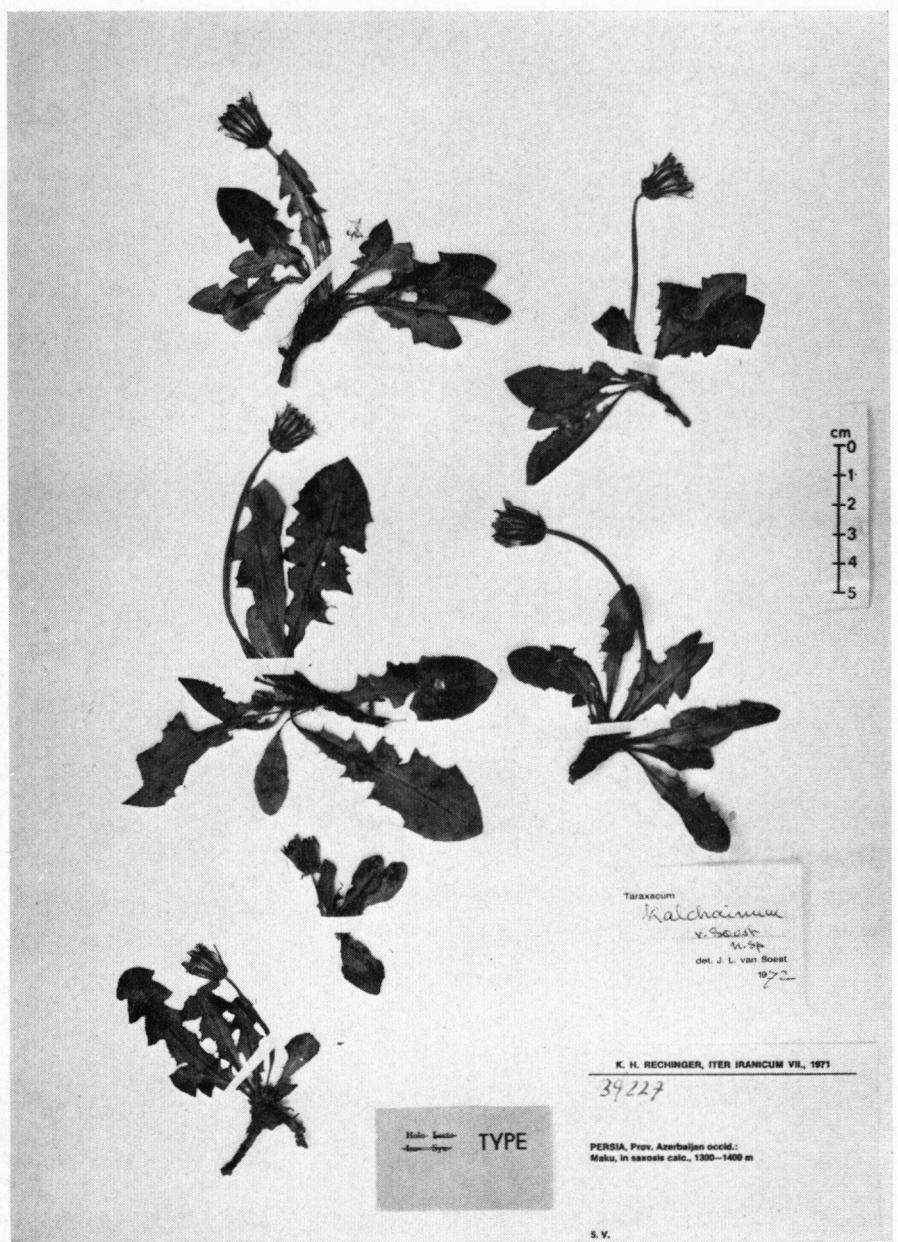


Fig. 2. *T. kalchainum* v.*S.*

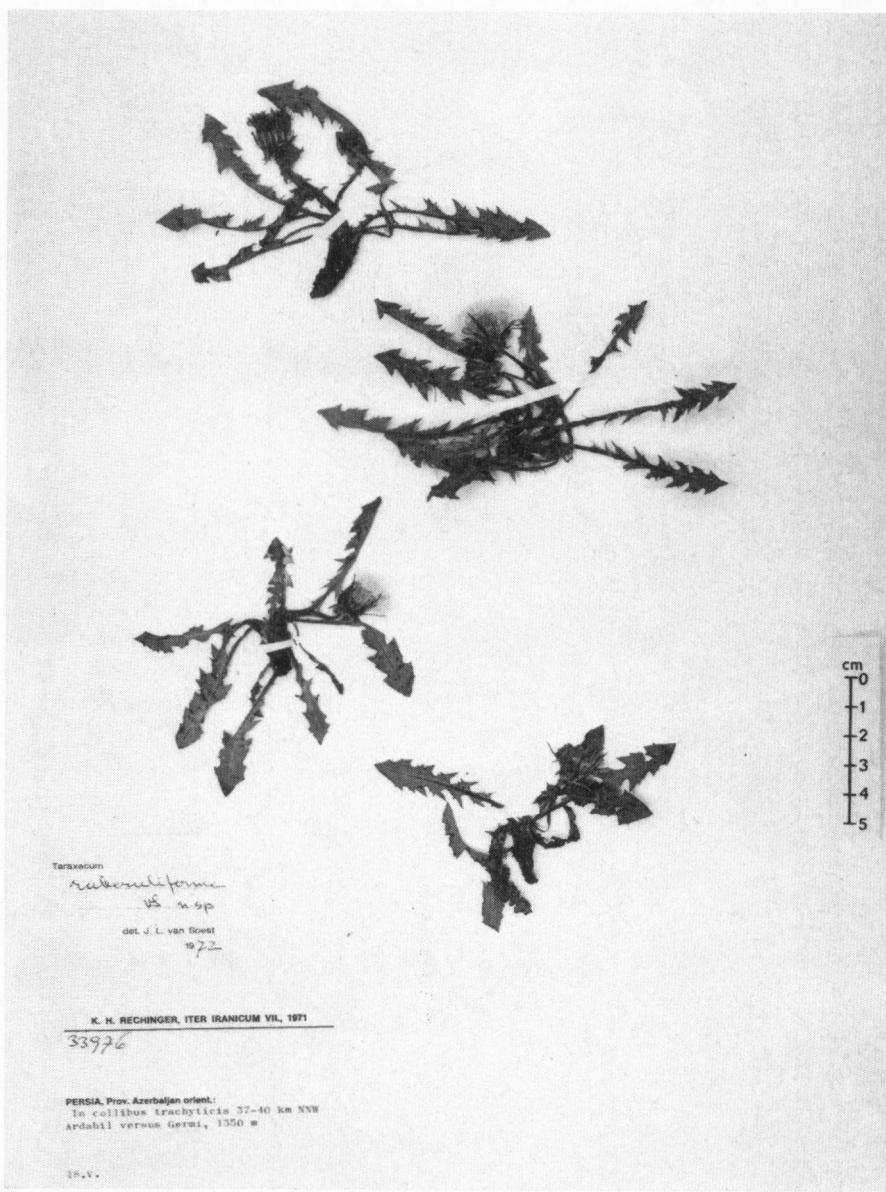


Fig. 3. *T. ruberuliforme* v.S.