

QUELQUES NOUVELLES ESPÈCES DE TARAXACUM, NATIVES D'EUROPE II¹

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RÉSUMÉ

Les espèces suivantes sont nouvelles pour la science:

Sect. *Palustria*: *T. hagendijkii*.

Sect. *Spectabilia*: *T. duvigneaudii*, *T. reichlingii*, *T. zevenbergenii*.

Sect. *Vulgaria*: *T. cerdanicum*, *T. minutissimum*, *T. rivulare*.

Sect. *Erythrosperma*: *T. asturiense*, *T. dorchocarpum*, *T. xanthiense*.

Comme nouvelle forme est décrite *T. braun-blanquettii* f. *achyrocarpum*.

SECT. PALUSTRIA DAHLST.

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

Planta erecta c. 3 dm alta, subglabra. *Folia* subprasino-viridia, petiolis angustis purpureis, vena mediana pallida; lobi laterales utrinque c. 4, ad 25 mm longi, triangulares, acuti, dorso subulato-dentato, margine inferiore saepe dente uno muniti; interlobia ad 15 mm longa, subdentata, plicatula; lobus terminalis sat brevis, hastatus, ad 5 cm latus, ad 4 cm longus, subacutus vel subobtus, parce grosseque dentatus. *Scapi* sub involucro araneosi, denique glabrescentes. *Involucrum* basi subrotundatum, obscure viride, ad 20 mm longum; squamae exteriores laxae adpressae vel $\pm$ patentes, in costa pallide virides, ovatae vel late lanceolatae, ad 4 mm latae, late (0.2–0.4 mm) albo- vel viridi-marginatae. *Calathium* obscure luteum, sat validum, radians ad 4 cm diametro; ligulae marginales extus stria atropurpurea ornatae. Antherae vacuae; stylus et stigmata obscure fusciscentia. Floret tempore verno. *Achenium* pallide brunneum, pyramide inclusa 4.5 mm longum, apice breviter spinulosum, ceterum rugosum, basi laeve, in pyramidem 0.5–0.7 mm longam abrupte abiens. Rostrum c. 13 mm longum; pappus albus, 6 mm longus.

HOLOTYPUS: Pays-Bas: N. Brabant: Moergestel, prairie de fauche lelong le Reuzel près de Hijzen, 11.5.1969, Hagendijk, v. Soest & Zevenbergen (herb. Hagendijk 284); *isotypus* dans herb. v. Soest et herb. Zevenbergen.

SECT. SPECTABILIA DAHLST.

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

Planta mediocriter alta. *Folia* luteo-viridia, sub- vel conspicue araneosa, lobata,

¹ La première partie: Acta Botanica Neerlandica 10 (1961): 280–306.

petiolis purpureis subalatis, vena mediana praesertim parte inferiore rufescenti-purpurea; lobi laterales (utrinque c. 4) breviter triangulares vel deltoidei, patentes, subacuti, integri vel parce subulato-dentati vel -denticulati, dorso subconvexo, margine inferiore $\pm$ recto, interlobia sat brevia, plicatula, $\pm$ atro-violaceo-marginata; lobus terminalis c. 1–1.5 cm latus, c. 1–1.5 cm longus, deltoideus vel breviter hamatus vel $\pm$ quadrangularis, subobtusus. *Scapi* sub involucro $\pm$ araneosi. *Involucrum* basi rotundatum, 15–18 mm longum, sat obscure viride; squamae exteriores violascentes, ovatae, 3–4 mm latae, 7–10 mm longae, laxae adpressae, saepe apice patentes, anguste vel pro parte sublate marginatae. *Calathium* luteum, sat radians, 3–4 cm diametro. Ligulae marginales extus stria atro-violacea notatae. Antherae polliniferae; stylus et stigmata fusco-virescentia. *Achenium* dilute brunneum, parvum, pyramide inclusa 3.8 mm longum, superne dense breviter sublateque spinulosum, ceterum rugosum, basi laeve, in pyramidem brevem, c. 0.4 mm longam subabrupte abiens. Rostrum 7 mm longum; pappus subsordide albus, 6 mm longus.

HOLOTYPE: France: Moselle: Rémillly, au bord d'Aubécourt, pré salé sur la rive gauche de la Nied française, 9.5.1965, Duvigneaud 65 F 416 bis.

Ensuite: Pays-Bas: Zuid-Holland: entre Gouda et Waddinxveen, près du Scheepvaartkanaal, v.S. (39610); exsicc. v.S. no. 81 comme "*T. dilatatum forma aberrante*" (sic).

T. reichlingii v. Soest *spec. nov.*, fig. 3.

Planta sat robusta, 1–1.5 dm alta, subglabra. *Folia* subprasino-viridia, parce violaceo-maculata, lobata, in vena dorsali parce araneosa, petiolis sicut costa vinoso-coloratis, angustis. Lobi laterales in foliis exterioribus obovati, dentiformes vel parvi, in foliis interioribus et mediis utrinque ad 4, ad 1.5 cm longi, patentes vel paulo retroversi vel pro parte apice suberecti, basi sat lati, abrupte elongati, acuti ad subacuti, $\pm$ integri, dorso in interlobiis late abeuntibus; interlobia paulo dentata; lobus terminalis elongato-deltoideus, ad 4 cm longus, subobtusus, interdum pro parte subacutus vel obtusus, integer vel subincisus vel dente uno munitus, lobulis basalibus triangularibus vel lingulatis, obtusis, ad 1.5 cm longis. *Scapi* sub involucro araneosi, floriferi foliis breviores vel subaequilongi. *Involucrum* crassum, atro-viride, lucidum, c. 14 mm longum; squamae exteriores adpressae, late ovatae, 5 mm latae, 7 mm longae, inconspicue viridi- vel immarginatae, omnes laeves. *Calathium* laete luteum. Ligulae marginales planae, extus stria fusco-violacea ad fusco-purpurea notatae. Antherae polliniferae. Stylus et stigmata livescentia; floret vere. *Achenium* stramineum, pyramide inclusa c. 4 mm longum, superne breviter spinulosum, ceterum laeve, in pyramidem conicam 0.5 mm longam subsensim abiens. Rostrum 8 mm longum; pappus albus, 6 mm longus.

HOLOTYPE: Luxembourg: coin de la rue de Vianden et la rue de la Toison d'Or, pré humide sur marnes liasiques, 2.5.1960, L. Reichling 26313; isotypus dans l'herb. v. S.

Cette espèce, quoique pas fort caractéristique pour la Section *Spectabilia*, y appartient toutefois. Les folioles involucreales sont appliquées contre l'involucre;

les feuilles sont $\pm$ maculées. L'habitat dans un pré humide est caractéristique pour les espèces de cette section en Europe occidentale.

T. zevenbergenii v. Soest *spec. nov.*, fig. 4.

Planta erecta, c. 3 dm alta, subglabra. *Folia* laete prasino-viridia, petiolis angustis saturate purpureis, vena mediana saepe omnino purpurea; lobi laterales utrinque ad 5 (in foliis intermediis et interioribus), symmetricè dispositi, patentes vel retroversi, acuti, apice saepe suberecti, dorso vulgo convexo, margine inferiore recto vel concavo; lobi superiores integri, interiores argute et minute dentati; interlobia saepe paulo $\pm$ grosse dentata; lobus terminalis hastatus vel late deltoideus vel paulo sagittatus, c. 2.5–3.5 cm latus, 2.5–3.5 cm longus, breviter acuminatus, raro mucronulatus. *Scapi* sub involucrio parce araneosi, ceterum glabri. *Involucrum* validum, crassiusculum, ad 16 mm latum, 16–18 mm longum, obscure nitido-viride; squamae exteriores adpressae, saepe asymmetrico-ovatae, ad 5 mm latae, conspicue sed anguste (c. 0.1 mm) albo- vel obscure violaceo-marginatae, apice obtuso atro-violaceae, saepe omnino violascentes. *Calathium* radians, c. 4 cm diametro, obscure luteum; ligulae marginales extus stria atropurpurea ornatae. Antherae parce minute polliniferae. Styli sublutei, stigmata obscure fusco-viridia. *Achenium* olivaceo-griseum, pyramide inclusa 4–4.3 mm longum, apice breviter grosseque spinulosum, ceterum rugosum, basi laeve, in pyramidem cylindricam 0.4 mm longam abrupte abiens. Rostrum c. 10 mm longum; pappus albus, 5–6 mm longus.

HOLOTYPE: Pays-Bas: N. Brabant: Moergestel, prairie de fauche humide, lelong le Reuzel, près de Hijzen, 11.5.1969, Hagendijk, v. Soest & Zevenbergen (herb. Zevenbergen 706); *isotypus* dans les herbiers de Hagendijk et de v. Soest.

L'espèce est aussi trouvée dans la même province: Houtakker près de Tilburg, prairie de fauche, même collecteurs et herbiers.

SECT. VULGARIA DAHLST.

T. cerdanicum v. Soest *spec. nov.*, fig. 5.

Planta sat alta, c. 2.5 dm. *Folia* cano-viridia, superne subaraneosa, subtus subdense, ad venam medianam dense araneosa, lobata, petiolis angustis, pallide roseolis. Lobi laterales utrinque c. 8, anguste triangulares vel falcati, ad 3 cm longi, acuti, patentes vel subretroversi, dorso argute, saepe grosse dentato, margine inferiore saepe recto subulato-denticulato vel -dentato. Interlobia 2–6 mm longa, 4–5 mm lata, undulato-denticulata et (interdum grosse et longe) dentata. Lobus terminalis sagittatus, ad 2.5 cm longus, subobtusus, saepe grosse dentatus vel incisus, lobulis basalibus patentibus vel retroversis, ad 2 cm longis, acutis. *Scapi* sub involucrio araneosi. *Involucrum* subturbinatum, c. 15 mm longum. Squamae exteriores ovatae ad anguste ovatae, subadpressae, denique patentes et apice recurvatae, in costa cano-virides, angustissime marginatae, interiores apice subnigrae, omnes laeves. *Calathium* luteum, paulo radians, ad 2.5 cm diametro. Ligulae marginales planae, angustae, extus stria rufo- ad atro-violacea notatae. Antherae vacuae; stylus luteus, stigmata paulo virescentia.

Achenium olivaceo-stramineum, pyramide inclusa 4–4.2 mm longum, superne dense spinulosum, ceterum rugosum, basi laeve, in pyramidem cylindricam, 0.3 mm longam abrupte abiens. Rostrum 9 mm longum; pappus niveus, 6–7 mm longus.

HOLOTYPE: France: Pyrénées-Orientales: Gorges de Llo, 1600 m, 11.7.1957, G. Didier 135 (herb. P, herb. v. S.); aussi les numéros 134 et 136 représentent la même espèce (herb. P, v. S.).

T. minutissimum v. Soest *spec. nov.*, fig. 6.

Planta parva ad 1 dm alta, sat grosse araneosa. *Folia* cano-viridia, lobata, petiolis angustis, leviter violaceis; lobi laterales breves, c. 7 mm longi, triangulares, acuti, subretroversi, dorso plerumque dentato, margine inferiore concavo integro; interlobia 0–3 mm longa, sat angusta; lobus terminalis $\pm$ sagittatus vel deltoideus, ad 1.5 cm longus, saepe brevior, $\pm$ obtusus. *Involucrum* parvum, dilute viride, purpurascens, c. 10 mm longum; squamae exteriores anguste lanceolatae ad lineares, valde recurvae, interiores apice atro-violaceae. *Calathium* paulo radians, luteum. Ligulae marginales angustae, extus stria atrovioacea notatae. Antherae polliniferae; stylus et stigmata fusco-virescentia. Floret vere. *Achenium* stramineum minutissimum, pyramide inclusa 2.8–3.0 mm longum, superne subdense spinulosum, ceterum $\pm$ laeve, in pyramidem 0.3 mm longam subcylindricam abrupte abiens. Rostrum 6 mm longum; pappus albus, 5 mm longus.

HOLOTYPE: Autriche: Burgenland: Podersdorf, Salzlacke, 15.5.1959, K. H. Rechinger (herb. W); *isotypus* dans l'herb. v. S.

T. rivulare v. Soest, *spec. nov.*, fig. 7.

Planta mediocriter alta (c. 6–10 cm), modice araneosa. *Folia* gramineo-viridia, parce violaceo-maculata, sublutescentia, lobata, petiolis sicut vena mediana praesertim parte inferiore vinoso-coloratis, subangustis; lobi laterales utrinque c. 4, $\pm$ unguiculati, ad 1.5 cm longi, acuti ad subobtusius, parcissime denticulati; interlobia plicatula, 1–3 mm longa, 2–3 mm lata, $\pm$ violaceo-colorata, piceo-marginata; lobus terminalis sagittatus, ad 1.5 (raro ad 2) cm longus, subobtusius vel acutus, pro parte mucronatus, lobulis basalibus ad 7 mm longis, retroversis, subacutis. *Scapi* floriferi foliis aequilongi. *Involucrum* sat crassum, 14 mm longum, obscure viride, valde purpurascens; squamae exteriores apice recurvae, ovatae, ad 3.5 mm latae, angustissime purpureo-marginatae, omnes laeves. *Calathium* luteum, planum, radians, 3–3.5 cm diametro. Ligulae marginales planae, extus stria fusco-violacea notatae. Antherae polliniferae; stylus et stigmata livescentia. Floret vere. *Achenium* (immaturum!) stramineum, pyramide conica inclusa c. 4 mm longum, superne spinulosum, ceterum rugosum, basi laeve. Rostrum c. 9 mm longum; pappus albus, 6 mm longus.

HOLOTYPE: Luxembourg: Paturages à *Caltha* etc., à l'Est de Luxembourg-Merl; alluvions du ruisseau de Merl sur marnes liasiques, 20.4.1957, L. Reichling T 57/2a. 1; *isotypus* dans l'herb. v. S.

SECT. ERYTHROSPERMA DAHLST. EM. LINDB.F.

T. asturiense v. Soest *spec. nov.*, fig. 8.

Planta sat alta, 2 dm, subaraneosa. *Folia* subprasino-viridia, lobata, petiolis (venaque mediana) purpureis; lobi laterales (utrinque c. 5–6) falcati, ad 2.5 cm longi, acutissimi, mucronulati, $\pm$ retroversi sed apice vulgo suberecti, dorso saepe integro vel dente uno subulato munito vel subulato-denticulato, margine inferiore integro vel raro paulo minute denticulato; interlobia sat longa, $\pm$ piceo-colorata, crispulo-denticulata et grosse subulato-dentata, angulis loborum plicatulis; lobus terminalis (interdum indistincte determinatus) elongato-sagittatus, ad 2.5 cm longus, acutissimus, mucronatus, lobuli basales ad 1.5 cm longi, angusti, patentes, interdum parte minima rotundato-obtusi, lobulo apicali acuminato, integro. *Involucrum* obscure viride, subturbinatum, crassiusculum, 2 cm latum, 1.8 cm longum. Squamae exteriores ovatae, ad 4 mm latae, 10 mm longae, patentes, apice recurvae, inconspicue viridi-marginatae, omnes laeves. *Calathium* planum, radians, ad 4.5 cm diametro, pallide luteum. Ligulae marginales planae, extus stria cano-violacea notatae. Antherae polliniferae; stylus et stigmata fusco-virescentia. Floret vere. *Achenium* pallide aurantiacum, parvum, pyramide inclusa 4 mm longum, superne minute spinulosum, ceterum laeve, in pyramidem cylindricam 0.7 mm longam subabrupte abiens. Rostrum 8 mm longum; pappus albus, 7 mm longus.

HOLOTYPE: Espagne: Asturia: Oviedo, G. Degelius, 17.5.1931, plantae in Hort. Bot. Lundensi cult., no. 31315, 10.5.1937, Haglund (herb. S); aussi: 11.5.1938 (herb. S, herb. v. S.).

Quoique alliée à *T. stenospermum* Sennen, cette espèce est manifestement différente dans la forme des feuilles et celle des akènes; la couleur de l'involucre de *T. asturiense* est d'un vert plus obscur.

T. braun-blanquetii v. S. f. *achyrocarpum* v. Soest, *f. nov.*

Achenia pallide fusco-straminea.

HOLOTYPE: France: Hérault: Col de Fontfroide, 900 m.s.m., 12.6.1957, de Retz (41081); de même dans l'herb. v. S.

T. dorchocarpum v. Soest *spec. nov.*, fig. 9.

Planta gracilis, 8–12 cm alta, basi dense araneosa. *Folia* numerosa, subprasino-viridia, ad venam dorsalem araneosa, lobata, petiolis angustis purpureis. Lobi laterales triangulares vel subfalcati et lingulati, patentes vel paulo retroversi, dorso denticulato et pro parte grosse inciso-dentato, margine inferiore saepe recto ad convexo, pro parte grosse dentato; interlobia $\pm$ fusco-maculata, longe dentata vel sublobata, lobulis interdum dentatis; vena mediana lucide albescente; lobus terminalis ad 2 cm longus, hastatus, obtusus, saepe incisus, ceterum integer, lobulis basalibus subacutis. *Scapi* paulo araneosi, rufo-purpurei. *Involucrum* c. 12 mm longum, basi subrotundatum, subpruinatum; squamae exteriores apice paulo recurvae, $\pm$ ovatae, c. 7 mm longae, ad 3 mm latae, anguste albo-marginatae, ciliolatae, sub apice corniculatae, interiores corniculatae vel

pro parte callosae. *Calathium* planum, radians, ad 2.5 cm diametro, flavum. Ligulae marginales planae, extus stria atro-violacea ornatae. Antherae minute polliniferae; stylus et stigmata (sicco) subnigra. Floret vere. *Achenium* pallide fulvo-ochraceum, pyramide inclusa 4.5–4.7 mm longum, superne spinulosum, ceterum rugosum, basi laeve, in pyramidem cylindricam 1.2 mm longam abrupte abiens. Rostrum 12 mm longum; pappus niveus, 6 mm longus.

HOLOTYPUS: Grèce: Thrace: Xanthi, weed in Glenn compound, H. G. Tedd T 8–10, 8.4.1938 (herb. K).

T. xanthiense v. Soest *spec. nov.*, fig. 10.

Planta gracilis, 5–10 cm alta, basi araneosa. *Folia* cano-viridia, ad 10 cm longa, subglabra, lobata, petiolis sicut vena mediana purpureo-coloratis, angustis. Lobi laterales utrinque 3–4, falcati ad anguste triangulares, retroversi, acuti vel subacuti, dorso integro vel dente uno munito, margine inferiore $\pm$ recto, integro; interlobia angusta (1–2 mm lata), ad 1 cm longa, plicatula, denticulata, interdum subulato-dentata; lobus terminalis sagittatus, ad 2 cm longus, subobtusus. *Scapi* subaraneosi, pallide (?) cupreo-purpurei. *Involucrum* subobscure viride, 12–13 mm longum; squamae exteriores anguste ovatae, ad 7 mm longae, recurvae, valde purpurascens, angustissime marginatae, obscure purpureo-callosae, interiores apice subnigrae, parum callosae. *Calathium* paulo radians (?), flavum. Ligulae marginales angustae, extus atro-violaceae. Antherae polliniferae; stylus et stigmata fusco-virescentia, sicco obscura. Floret tempore verno. *Achenium* pyramide inclusa 4 mm longum, lateritium, superne breviter argute spinulosum, ceterum subrugosum, basi laeve, in pyramidem cylindricam 0.8–0.9 mm longam subabrupte abiens. Rostrum 9–10 mm longum; pappus albus, 5 mm longus.

HOLOTYPUS: Grèce: Thrace: Xanthi, weed of paved yard, Gary compound, H. G. Tedd, 8.4.1938 (T 12); de même: 22.4.1938 (T 1, T 2, T 3, T 4, T 7) (herb. K).

REMERCIEMENT

Les figures publiées ici avec l'autorisation du Directeur de l'Herbier d'Etat (Leyde) sont d'après des photographies des type-specimens, prises par M. C. Marks, à qui j'exprime volontièrement mon obligation.



Fig. 1. *T. hagendijkii* v. S., holotype.

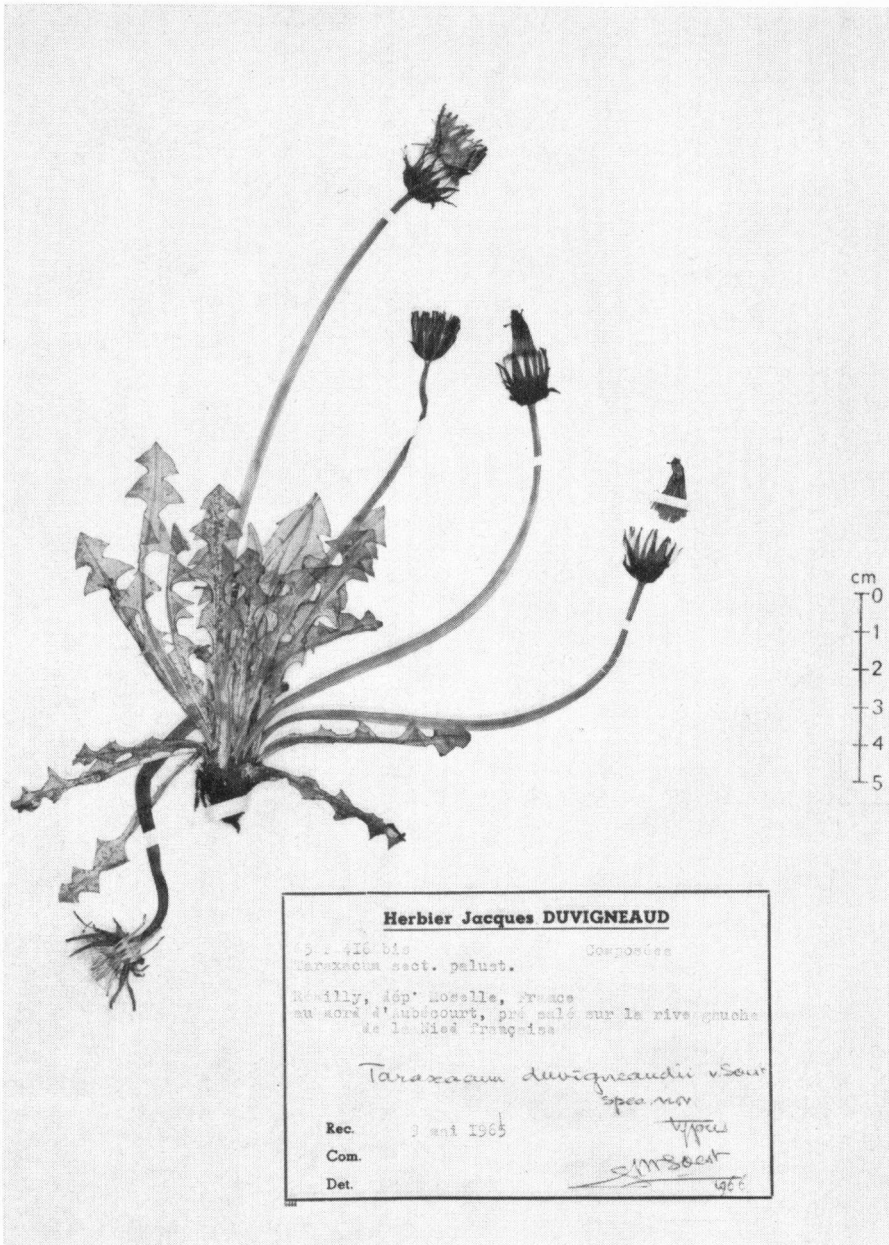


Fig. 2. *T. duvigneaudii* v. S., holotype.

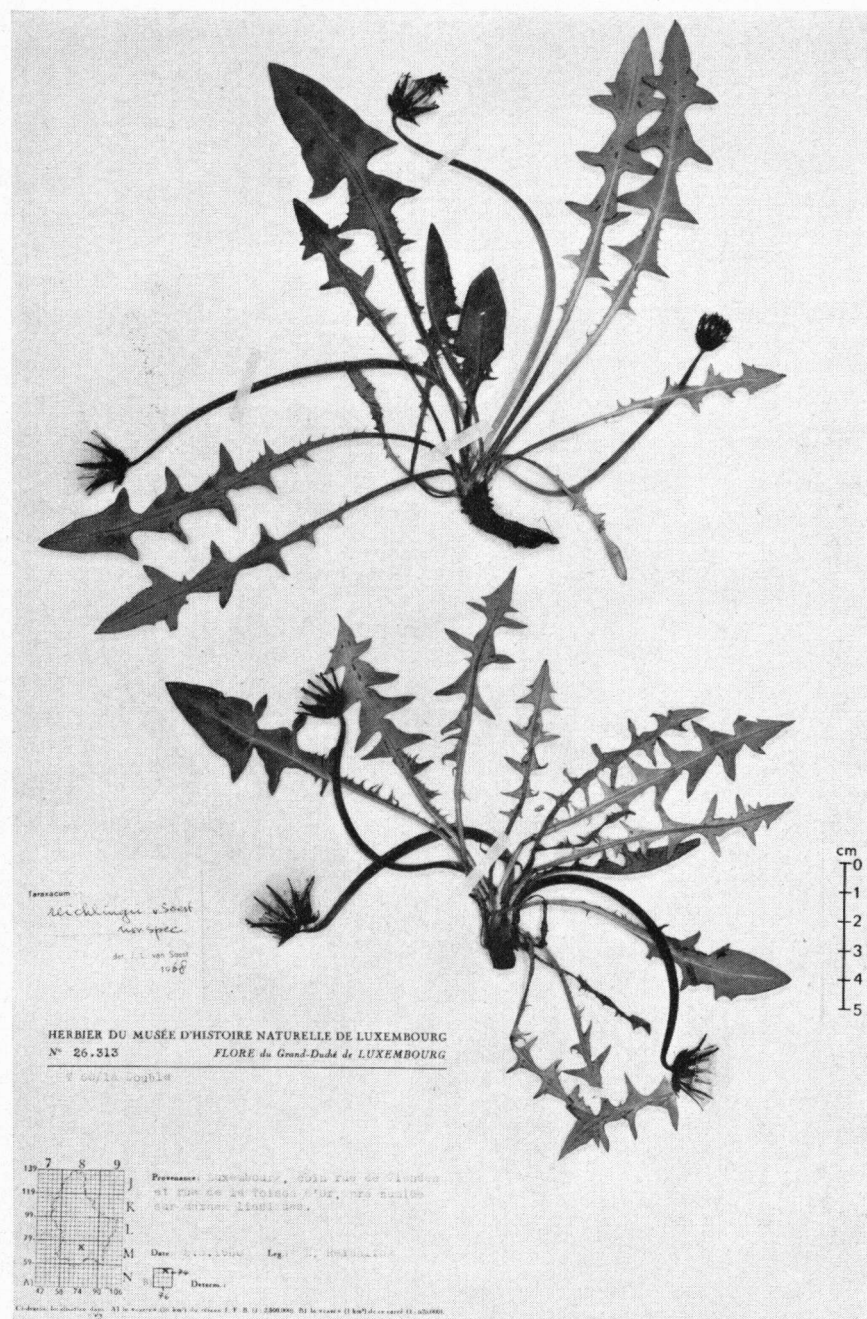


Fig. 3. *T. reichlingii* v. S., holotype.



Fig. 4. *T. zevenbergenii* v. S., holotype.



Fig. 5. *T. cerdanicum* v. S., isotype.

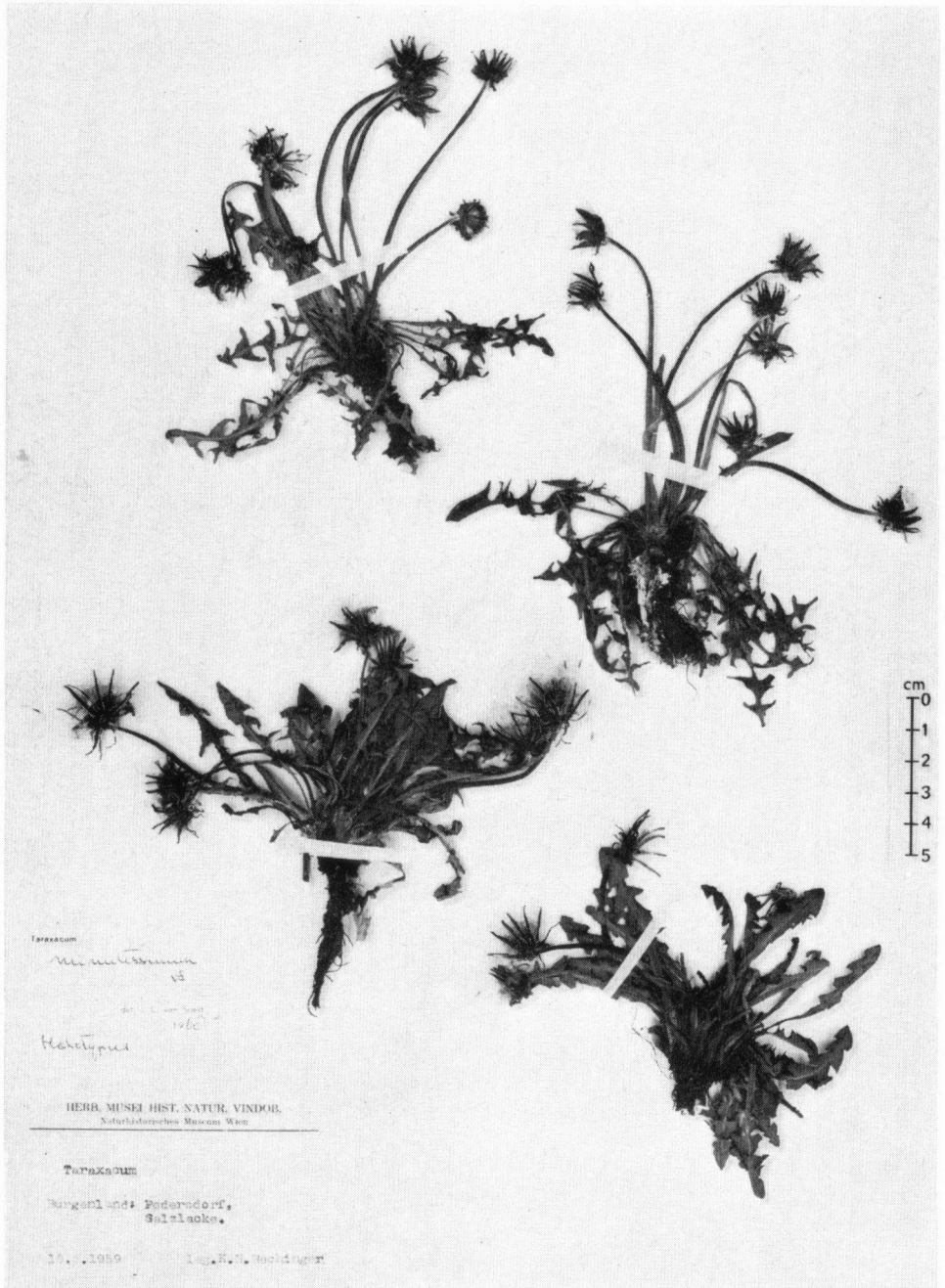


Fig. 6. *T. minutissimum* v. S., holotype.

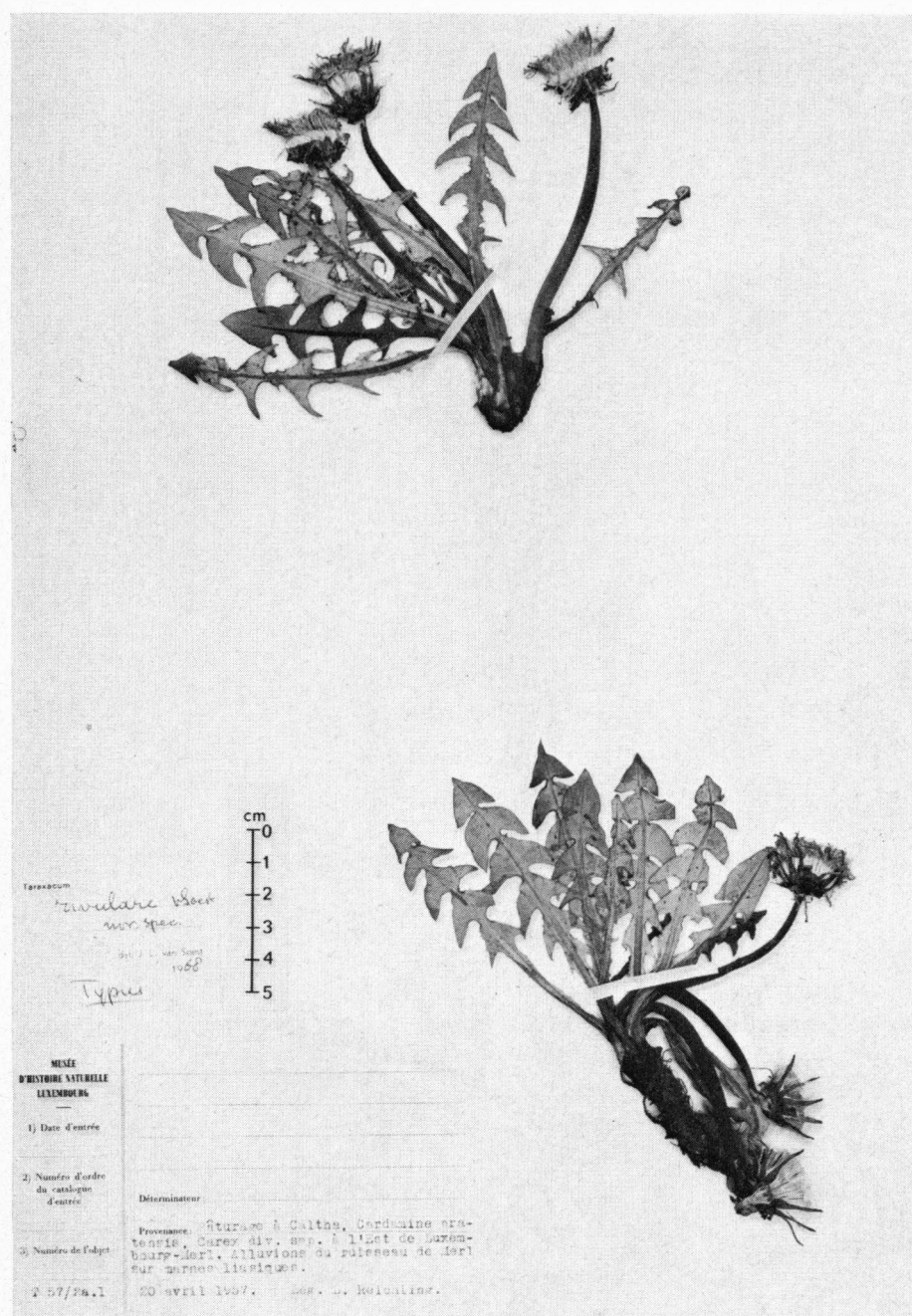


Fig. 7. *T. rivulare* v. S., holotype.

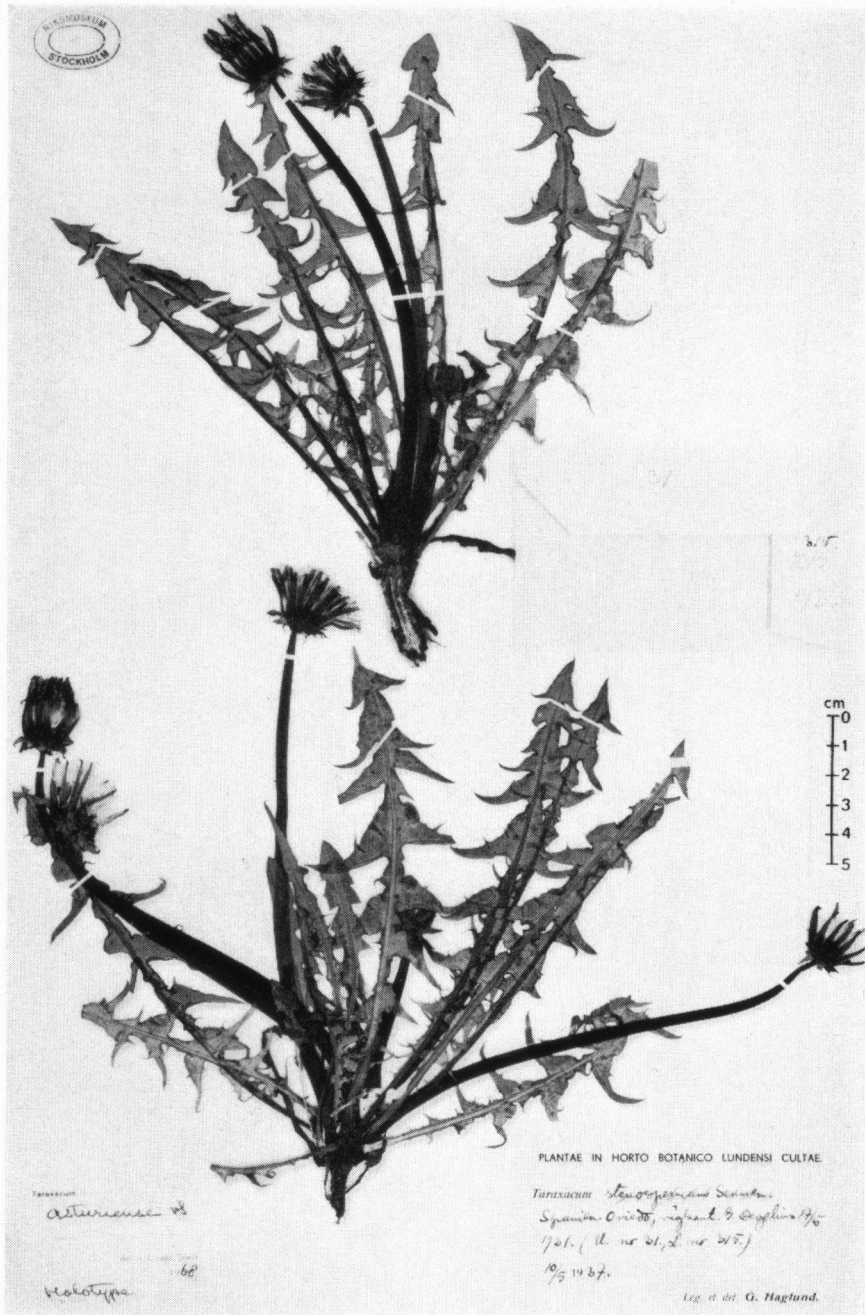


Fig.8. *T. asturiense* v. S., holotype.



Fig. 9. *T. dorchocarpum* v. S., holotype.

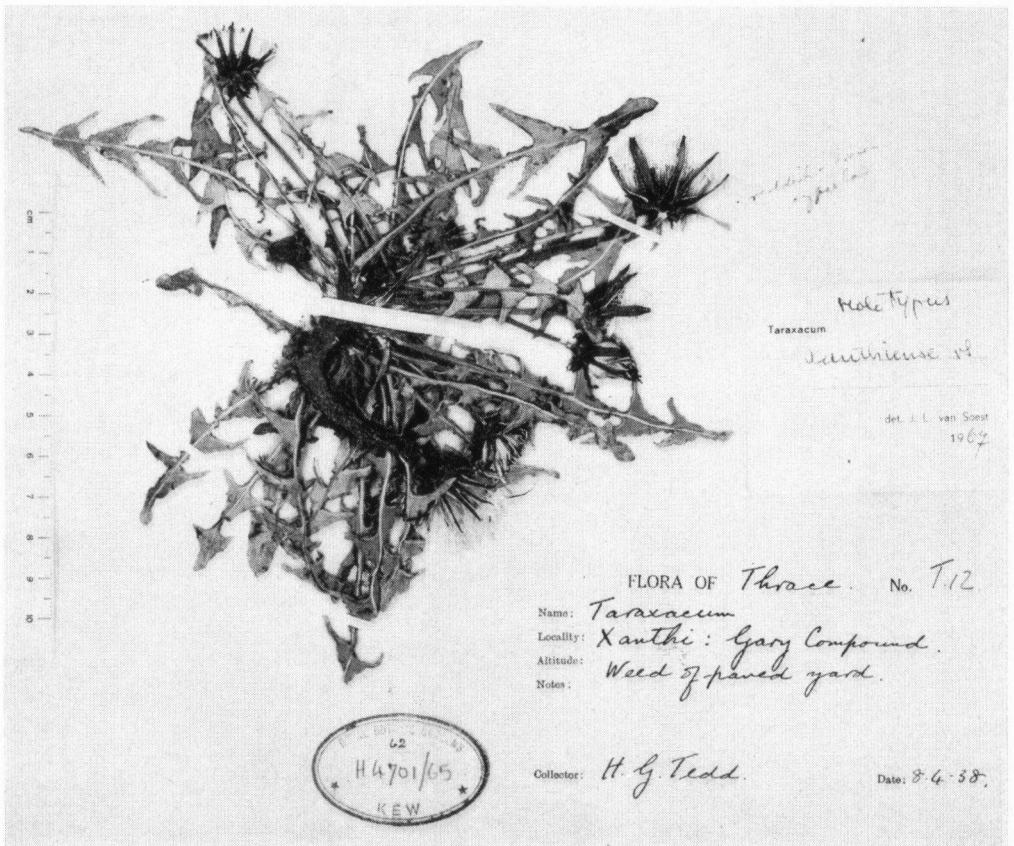


Fig. 10. *T. xanthiense* v. S., holotype.