

Scorzonera mollis M. B. — Galatia: supra oppidulum Arab, in declivi occidentali montis Eldiven-Dagh, in stepposis, ca. 1600 m (18, VII. — No. 313).

Scorzonera nutans Czeczott (Pl. XXXVI) — l. c. p. 41.

Sectio: *Eu-scorzonera* DC. — § 4 Pulvinares — Boiss., Fl. Or. III, 1875, p. 756.

Compacte pulvinata, pumila, rhizomate crasso, pluricipite, collis densissime squamis nigro-brunnescentibus vestitis. Folia omnia basilaria, rosulas inter se dense approximatas formantia, brevia, plana, 3-nervia, adpresse canescentia, apicem versus glabrata, basi in petiolum scariosum vix dilatata, 1—3 cm longa, 1—2 mm lata. Scapi folia aequantes vel paulo breviores, monocephali, 1—3 cm (cum capitulo) alti, ± dense albo-canescens, 1—2 squamulis instructi, perspicue nutantes (sub anthesi, an semper?). Capitula parva, involucri phyllis flavo-virentibus, exterioribus oblongo-lanceolatis, subpatulis, 2—3 mm longis, 1—1,5 mm latis, acutiusculis, interioribus elongato-lanceolatis, ad 8 mm longis, 2—3 mm latis, sensim late acuminatis, omnibus glabriusculis vel puberulo-canescens, apice et marginibus densius puberulis; flosculis paucis (15—17) luteis, involucri subaequilongis; acheniis (junioribus) glabris, striatis, basi saepe appendice clavata instructis, pappo sordido achenio multo longiore, setis scabridis, basi non plumosis.

Paphlagonia; in cacumine montis Kush-Kayasy (jugum Ilgaz-Dagh), ca. 2400 m, abunde (26. VII. — No. 439). In regione alpina montis Büyük-Ilgaz-Dagh, ca. 2500 m (non lecta).

In its general appearance it resembles some specimens of *S. pigmaea* Sibth. et Sm. (e. g. from the Bithynian Olympus) and *S. rigida* Auch., but our species is more compact and has nodding capitula. From all species of the group Pulvinares, it differs by the pappus, which in the lower part is not plumose.

The cushions of this interesting plant, being quite flat, reach considerable dimensions (about 20—30 cm in diameter). Judging from the number of old leaf-scales, some specimens probably attain the age of about 50 years!

Lactuca muralis L. — Bithynia: circa Hendek, in sicco alveo rivuli, in valle Isak-Oglu-Dere, ca. 250 m (27. VI. — No. 131).

Hieracium murorum L. ssp. *oblongum* Jord. var. *abieticolum* Jord.¹⁾ — K. H. Zahn, Compositae-Hieracium in Engler, Das

¹⁾ All *Hieracia* collected by me have been kindly determined by Prof. Dr. K. H. Zahn.

- Pflanzenreich IV, 280 (1921), p. 301. — Paphlagonia: in declivi montis Kush-Kayasy (jugum Ilgaz-Dagh), in abieteto, ca. 1940 m (26. VII. — No. 902).
- Hieracium maculatum* Smith ssp. *Pollichiae* (Sch.-Bip.) Zahn var. *Anatoliae* Zahn, l. c. p. 516. — Paphlagonia: in declivi meridionali montis Büyük-Ilgaz-Dagh, in silva *Pini nigrae*, ca. 1800 m, certis locis gregatim (24. VII. — No. 333 et 333 bis). Supra vicum Djazoglu (inter Sinopen et Tashköprü), in declivi montis Khadji-Aghach, in silva *Pini nigrae*, ca. 1600 m (1. VIII. — No. 904).
- Hieracium Hoppeanum* Scult. ssp. *antennarioides* Peter, l. c. p. 1153. — Paphlagonia: prope vicum Djazoglu (inter Sinopen et Tashköprü) in latere meridio-orientali vallis Chamkeui-Su, inter fruticeta *Quercuum* et *Pinos* solitarias, ca. 900 m (31. VII. — No. 901).
- Hieracium cymosum* L. ssp. *paphlagonum* Zahn, l. c. p. 1310. — Paphlagonia: supra oppidulum Tukht, in cacumine montis Panair-Tepe, in abieteto, ca. 1900 m (14. VII. — No. 260).
- Hieracium auriculoides* Lang ssp. *semiauriculoides* Zahn, l. c. p. 1519. — Paphlagonia: in declivi meridionali montis Büyük-Ilgaz-Dagh, in silva *Pini nigrae*, ca. 1800 m (24. VII. — No. 903).

Campanulaceae.

- Campanula latifolia* L. — Paphlagonia: inter Küre et Edjevid, in declivi boreali montis Kush-Tepe, in silva mixta (*Fagus*, *Taxus*, *Abies*, *Carpinus*), in loco exciso, ca. 1400 m (5. VIII. — No. 450).
- Campanula rapunculoides* L. — Paphlagonia: prope pagum Yailadjik (vallis Ilgaz-Su), in regione fruticum rarorum, ca. 1100 m (23. VII. — No. 916). Prope vicum Djazogla (inter Sinopen et Tashköprü), in latere meridio-orientali vallis Chamkeui-Su, ca. 850 m (31. VIII. — No. 613).
- Campanula persicifolia* L. — Bithynia: circa Hendek, in declivi montis Yilman (vallis Ulu-Dere), in querceto, ca. 450 m (25. VI. — No. 839).
- Campanula latiloba* DC. — Bithynia: circa Hendek, in valle Su-Atak-Dere, in praerupto pariete juxta cataractam, ca. 500 m (26. VI. — No. 107).
- Campanula olympica* Boiss. (= *C. hemschinica* C. Koch) var.? — Paphlagonia: supra oppidulum Tukht, in cacumine montis Panair-Tepe, in abieteto, ca. 1900 m (14. VII. — No. 261). In declivi meridionali montis Büyük-Ilgaz-Dagh, in pineto, ca. 2100 m (24. VII. — No. 365).



Phot. J. Lilpop and H. Czezcott.

Scorzonera nufans Cz. Natural size.