

NEW FLORISTIC RECORDS FROM TURKEY

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ABSTRACT. The following 71 species are accepted as new grid square records, using the system adopted by P. H. Davis in *Flora of Turkey and the East Aegean Islands* vol. 1-7.

The following plants were either collected by the author from Aydos Dağı (C5) during 1976-1980, or from various areas of Anatolia by co-workers at Hacettepe University. Aydos Dağı is a NW extension of the Bolkar Dağları (Cilician Taurus) and covers part of the Konya and Niğde provinces. The area is a meeting place of two phytogeographical regions, Mediterranean and Irano-Turanian. Most of the identifications of these specimens were checked during a three-month study period in the Edinburgh herbarium.

The sequence of families, genera and species in the following list follows the system adopted in the *Flora of Turkey*. The figures in square brackets after the species name refer to the volume and page number in the *Flora*.

RANUNCULACEAE

Ranunculus munzurensis S. Erik & S. Yildirimli

B7 Tunceli: Ovacık, Munzur Da., Karagöl valley, 1300-1500m, 6 v 1979, *Ş. Yildirimli* 1379.

A new species from Munzur Da. in Turkey.

Aquilegia olympica Boiss. [1:199]

C5 Konya: d. Ereğli, Kayasaray, meadows, 1500m, *Erik* 2992.

A new record for S Anatolia.

Thalictrum minus L. var **minus** [1:202]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, Kapız, *Juniperus* forest, 1650m, *Erik* 2206.

CRUCIFERAE

Diplotaxis tenuifolia (L.) DC. [1:268]

C4 Antalya: d. Gazipaşa, Sirainler Yaylası, stony places, 1800-2000m, *Sümbül* 1207. [Petals shorter and golden yellow; leaves serrate or dentate]

Previously known from SW and NE Anatolia.

Isatis aucheri Boiss. [1:298]

A9 Kars: d. Sarıkamış, Karakurt to Sadvon, roadsides, 1500-2000m, *Güneş* 1822.

A new record for NE Anatolia. Ir.-Tur. Element.

Aethionema cordatum (Desf.) Boiss. [1:320]

C5 Konya: d. Ereğli, Burna, *Pinus nigra* forest, 1500m, *Erik* 2058.

Ae. armenum Boiss. [1:328]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, calcareous slopes, 1700m, *Erik* 2225. [Flowering stem to 7cm]

Myagrum perfoliatum L. [1:348]

A/B9 Kars: d. Iğdır, Gökçeli to Alican, steppe, 900m, *Güneş* 1524. [det.: I. C. Hedge]

A new record for NE Anatolia.

Fibigia clypeata (L.) Medik. [1:357]

C5 Niğde: d. Ulukışla, Darboğaz, *Pinus nigra* forest, 1600m, *Erik* 2083.

Alyssum xanthocarpum Boiss. [1:383]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, Aydostepe, stony slopes, 2600m, *Erik* 2830.

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A. murale Waldst. & Kit. [I: 404]

subsp. **murale** var. **murale**

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, Bolattepe, calcareous rocks, 1700–2000m, *Erik* 3064.

— **rophila verna** (L.) Chevall subsp. **verna** [I:421]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, meadows, 1500m, *Erik* 1868.

Barbarea vulgaris (L.) Br. [I:434]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, *Cedrus* forest, 1700m, *Erik* 1849.

Chorispora tenella (Pall.) DC. [I:451]

A/B9 Kars: d. Iğdir, Gökçeli to Alican, 900m, *Güneş* 1524. [det.: I. C. Hedge] (Plant very small, 1.5–5cm)

A new record for NE Anatolia.

Descurainia sophia (L.) Webb. [I:486]

C5 Konya: d. Ereğli, Ivriz, subaşı, wet meadows, 1500m, *Erik* 1834.

Arabis pumila (Steph.) Busch. [I:490]

A/B9 Kars: d. Iğdir, Alican to Gökçeli, 900m, *Güneş* 1521. [Plant to 10cm; basal leaves many; fruit to 16mm]

Previously known from B9 and C5.

RESEDACEAE

Reseda inodora Reichb. var. **anatolica** Boiss. [I:502]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, Bolattepe, calcareous rocks, 1660–1960m, *Erik* 3057.

A new record for S Anatolia.

CISTACEAE

Fumana procumbens (Dun.) Gren. & Godr. [I:519]

C5 Konya: d. Ereğli, Ayrancı, nr Dam, steppe, 1500m, *Erik* 2009.

VIOLACEAE

Viola odorata L. [I:526]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, wet meadows, 1500m, *Erik* 1768.

V. tricolor L. [I:532]

A2 Bursa: d. Karacabey, Boğazköy, 0–200m, *Peşmen & Erik*; Uludağ, mountain peak, calcareous rocks, *A. Pamukçuoğlu*.

CARYOPHYLLACEAE

Saponaria mesogitana Boiss. [II:141]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, stony slopes, 1650m, *Erik* 1852.

Previously known only from C2 and C4.

S. orientalis L. [II:142]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, Kapiz, *Juniperus* forest, 1600–1750m, *Erik* 2220.

The nearest records are from C2 and C7.

S. viscosa C. A. Meyer [II:142]

C5 Konya: d. Ereğli, Delimahmutlu, stony slopes, 1650m, *Erik* 1932.

Previously known only from C6 and C9.

Gypsophila sphaerocephala Fenzl ex T. Chihata. var. **cappadocica** Boiss. [II:155]

C5 Konya: d. Ereğli, Delimahmutlu, Otlaktepe, *Juniperus* forest, 1700m, *Erik* 3032.

Vaccaria pyramidata Medik. var. **oxyodonta** (Boiss.) Zoh. [II:179]

C5 Konya: d. Ereğli, Delimahmutlu, serpentine slopes, 1650m, *Erik* 1589.

Silene delicatula Boiss. subsp. **pisidica** Coode & Cullen [II:230]

C4 Antalya: d. Gazipaşa, Çobanlar, stony places, 1800–2000m, *Sümbül* 1132.

Previously known only from C3. [Calyx 12mm; anthophore 5mm; inflorescence more than 9-flowered]

POLYGONACEAE

Athraphaxis billardieri Jaub. & Spach var. *billardieri* [II:267]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, serpentine slopes, 1600m, *Erik* 1576.

Polygonum aviculare L. [II:277]

C5 Konya: d. Ereğli, Ivriz, Subaşı, wet meadows, 1500m, *Erik* 2729.

Rumex scutatus L. [II:285]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, serpentine slopes, 1600m, *Erik* 1590.

CHENOPODIACEAE

Chenopodium album L. subsp. *album* var. *album* [II:304]

C5 Konya: d. Ereğli, Delimahmutlu, serpentine slopes, 1650m, *Erik* 2642.

LEGUMINOSAE

Astragalus cf. *densifolius* Lam. [III:72]

C5 Konya: d. Ereğli, Aydos Da., Darboğaz, *Quercus* forest, 1600m, *Erik* 2055. [det.: D. Chamberlain]

Differs in having a longer scape, ovate and sharply pointed stipules, longer bracts and calyx. This plant has some affinities with *A. amasiensis* but lacks the typical broad basal leaves.

A. coodei Chamb. & Matt. [III:87]

C5 Adana: d. Saimbeyli, *Pinus nigra* forest, 1500m, *M. Koyuncu* 4322.

Previously known only from A4 and B4.

A. pinetorum Boiss. [III:114]

B4 Ankara: Beytepe, roadsides, steppe, 900m, *Erik* 1436a.

A. lineatus Lam. var. *lineatus* [III:193]

C5 Konya: d. Ereğli, Aydos Da., Yazıgöl Yaylası, alpine steppe, 2800m, *Erik* 2335.

A. ornithopodioides Lam. [III:196]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, Sayintas, marble bedrock, 1700m, *Erik* 1640.

A new record for S Anatolia.

Tetragonolobus maritimus (L.) Roth. [III:531]

C5 Konya: d. Ereğli, near Halkapınar, meadows, 1500m, *Erik* 2241.

The nearest records of this specimen are from B6 and C2.

ROSACEAE

Prunus divaricata Ledeb. subsp. *ursina* (Kotschy) Brow. [IV:11]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, streamsides, deciduous mixed forest, 1500m, *Erik* 1652.

Crataegus szowitsii Pojark [IV:138]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, Çobanpinari, steppe, 1750m, *Erik* 2763 [det.: Browicz].

A new record for S Anatolia. Ir.-Tur. Element.

C. sinaica Boiss. [IV:140]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, serpentine slopes, 1600m, *Erik* 1615 [det.: Browicz].

The nearest record of this specimen is from C3. Ir.-Tur. Element.

UMBELLIFERAE

Chaerophyllum libanoticum Boiss. & Kotschy [IV:313]

C5 Konya: d. Ereğli, Delimahmutlu, Kapız, *Juniperus* forest, calcareous slopes, 1700m, *Erik* 2207.

Previously known only from C6.

Scaligeria tripartita (Kalen) Tamamsch. [IV:335]

C5 Konya: d. Ereğli, Kayasaray, meadows, 1750m, *Erik* 2829. [det.: H. Peşmen]

A new record for S Anatolia. Previously known only from the north. Euxine element.

Bunium brachyactis (Post) Wolff [IV:344]

C4 Antalya: d. Gazipaşa, Çobanlar, stony places, 1800–2000m, *Sümbül* 1123. [det.: J. M. Lamond]

The nearest record is from C6.

Foeniculum vulgare Miller [IV:377]

C5 Konya: d. Ereğli, Kayasaray, mixed forest, 1700m, *Erik* 2767. [det.: H. Peşmen]

Previously known only from C6.

Prangos ferulaceae (L.) Lindl. [IV:387]

C5 Konya: d. Ereğli, Aydos Da., Kapiz, streamsides, 1700m, *Erik* 2227. [det.: H. Peşmen]

Cymbocarpum wiedemannii Boiss. [IV:439]

C5 Konya: d. Ereğli, Delimahmutlu, Karasirt, serpentine slopes, 1600m, *Erik* 1620. [det.: H. Peşmen]

A new record for S Anatolia. Previously known only from the north.

Ferula rigidula DC. [IV:448]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, Bolattepe, calcareous rocks, 2000m, *Erik* 3063. [det.: H. Peşmen]

A new record for S Anatolia. Ir.-Tur. Element.

Malabaila secacul Banks & Sol. Gr. A. [IV:487]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, serpentine slopes, 1600m, *Erik* 1534. C5

Niğde: d. Ulukışla, Darboğaz, calcareous slopes, 1600m, *Erik* 2023.

Torilis ucranica Sprengel [IV:522]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, serpentine slopes, 1600m, *Erik* 2195. [det.: H. Peşmen]

Astradaucus orientalis (L.) Drude [IV:524]

C5 Niğde: d. Ulukışla, Aktoprak, *Pinus nigra* forest, 1550m, *Erik* 2389. [det.: H. Peşmen]

COMPOSITAE

Xanthium spinosum L. [V:48]

C5 Konya: d. Ereğli, Aydos Da., Ivriz, on marble, 1550m, *Erik* 2743.

Helichrysum chionophilum Boiss. & Bal. [V:88]

C5 Konya: d. Ereğli, Aydos Da., Yasigöl Yaylasi, alpine steppe, 2800–3000m, *Erik* 2615.

H. peshmenianum S. Erik.

C5 Konya: d. Ereğli, Aydos Da., Yasigöl Yaylasi, alpine steppe, 2800m, *Erik* 2366.

A new *Helichrysum* from Konya.

Crinitaria linosyris (L.) Less [V:123]

A9 Kars: nr Kars, between Balçesme and Şeref Yaylasi, *Demirkuş* 1249.

Previously known only from A2 and B1. Euro.-Sib. element. (Corolla 5mm, lobes 2mm; achenes 2.2mm, densely sericeous)

Senecio taraxacifolius (Bieb.) DC. var. *taraxacifolius* [V:156]

A9 Kars: d. Kağızman, Aladağ, 2800–3000m, alpine steppe, *Güneş* 1719.

Tanacetum argenteum (Lam.) Willd subsp. *argenteum* [V:290]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, Kışacli, calcareous slopes, 1700m, *Erik* 2709.

Serratula cerinthifolia (Sm.) Boiss. [V:454]

B6 Maraş: d. Süleymanlı, open forest, 800m, *Yıldız* 2825.

B6 Malatya: Malatya–Adıyaman road, roadsides, *A. Pamukçuoğlu*.

S. serratuloides (DC.) Takht. [V:459]

C5 Konya: d. Ereğli, Berendi to Kiraman, calcareous slopes, 1400m, *Erik* 1756. [det.: A. Grierson]

Scorzonera pygmaea Sibth. & Sm. subsp. *pygmaea* [V:650]

C5 Konya: d. Ereğli, Aydos Da., Sayintas, on marble, 1700m, *Erik* 2602.

Previously known only from A2 and C3.

Tragopogon latifolius Boiss. var. *angustifolius* Boiss. [V:664]

C5 Konya: d. Ereğli, Ayrane, nr Dam, steppe, 1500m, *Erik* 2011.

Pilosella echioides (Lumn.) C. H. & F. W. subsp. *procera* (Fries) Sell & West [V:757]

C5 Konya: d. Ereğli, Delimahmutlu, serpentine slopes, 1600m, *Erik* 1591.

Cicerbita variabilis (Bornm.) Bornm. [V:771]

C5 Konya: d. Ereğli, Kayasaray, meadows, 1500m, *Erik* 2695.

Taraxacum revertens G. Hagl. [V:805]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, *Abies cilicica* forest, 1700m, *Erik* 1909.

A new record for S Anatolia. Ir.-Tur. element.

SOLANACEAE

Solanum nigrum L. subsp. *schultesii* (Opiz) Wessely [VI:439]

C5 Konya: d. Ereğli, Kayasaray, mixed forest, 1650m, *Erik* 2746.

SCROPHULARIACEAE

Scrophularia libanotica Boiss. subsp. *libanotica* var. *cappadocica* R. Mill [VI:629]

C5 Konya: d. Ereğli, nr Berendi, calcareous slopes, 1760m, *Erik* 1722.

Veronica gentianoides Vahl [VI:706]

C5 Konya: d. Ereğli, Aydos Da., Yasigöl Yaylası, alpine meadow, 2800m, *Erik* 2407. [det.: M.

A. Fischer]

V. thymoides Davis subsp. *pseudocinerea* M. A. Fischer [VI:741]

C5 Konya: d. Ereğli, Aydos Da., Aydosaltı, stony slopes, 2700–3000m, *Erik* 2963. [det.: M.

A. Fischer]

V. macrostachya Vahl subsp. *sorgerae* M. A. Fischer [VI:743]

C5 Konya: d. Ereğli, Aydos Da., Aydosaltı, stony slopes, 2600–2900m, *Erik* 2962. [det.: M.

A. Fischer]

Previously known only from C4. E Medit. (mt) element.

Odontites verna (Bellardi) Dumort. subsp. *serotina* (Dumort.) Corb. [VI:765]

C5 Konya: d. Ereğli, Aydos Da., Delimahmutlu, Kapız, meadows, 1600m, *Erik* 22150.

Euro.-Sib. element.

Bungea trifida (Vahl) C. A. Meyer [VI:782]

C5 Konya: d. Ereğli, Aydos Da., Kayasaray, calcareous rocks, 1650m, *Erik* 1689.

LABIATAE

Hyssopus officinalis L. [VII:294]

A9 Kars: Kağızman to Çayaras, 1400m, *Güneş* 1776. [det.: A. Doroszenko]

SANTALACEAE

Thesium arvense Horvatovsky [VII:540]

A8 Rize: d. Çamlıhemşin, Çat to Elevit, wet meadows, 1200–1500m, *Güner* 2476. [det.: T. Miller]

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