

Slavík, B. (ed.): **Květena České Republiky 5**. [Flora of the Czech Republic, Vol. 5.] - Academia, Praha 1997. 568 pp. 109 tables. Kč 360.00. ISBN 80-200-590-0. In Czech.

The fifth volume of the Flora begins again with phytogeographical characteristic of selected taxa of Czech flora, documented by 38 net maps of their distribution (B. Slavík). It is presented also in English.

The proper text covers altogether 38 families and it is therefore after the first volume (41 families) most diverse volume. However, many of the families have their centre of distribution in the subtropics and tropics and break into our country by the only one indigenous species (e.g. *Rutaceae*, *Araliaceae*) or on our territory they are represented by cultivated species (e.g. *Simuroubaceae*, *Aquifoliaceae*, *Elaeagnaceae*). Altogether 23 authors and 6 advisors of different specialization participated on working out of the text. Unfortunately 3 of them are no more among us (M. Smejkal, M. Šourková, J. Toman).

The centre of this volume lies in the extensive family *Apiaceae* (*Umbelliflorae*, *Daucaeae*) inconspicuously divided into the subfamilies *Apioidae* and *Saniculoideae*. Altogether 55 genera are presented from them, 37 are represented by one species only. Key of genera (P. Tomšovic) was mainly based on reproductive organs, morphology and anatomy of them are in this family most significant. However, majority of species are in flower and fruit in summer, so that the appropriate parts are not at disposal in former seasons. Of the taxonomically difficult groups a range of *Heracleum sphondylium* L. (L. Holub) is solved at which on the basis of petals and pistils 4 subspecies have been differentiated. Well arranged are the differences between *Achusa cynapium* L. and *A. cynapioides* Bieb. (J. Štěpánek) recently considered as the subspecies of a *A. cynapium* L. Important is the key of habitually similar species of different genera: *Laserpitium prutenicum* L., *Peucedanum palustre* (L.) Moench, *Selinum carvivora* L. and *Silaum silaus* (L.) Sch. Et Thell. (V. Grulich). Some of the *Apiaceae* have not been confirmed in our country from the first half of the past century (*Scandis pecten-veneris* L., *Bifora radians* Bieb.) or from the first decades of the 20th century (*Oenanthe silaifolia* Bieb. and *Trinia ucrainica* Šiškin) so they may be considered as extinct. However, it is important that species only rarely introduced are mentioned, e.g., *Torilis nodosa* (L.) Gaertn. or *Astrodaucus orientalis* (L.) Drude.

From family *Onagraceae* 20 species of the genus *Oenothera* are presented (V. Jehlík). Long time expected key of species of the genus *Epilobium* (M. Smejkal) have been worked out and complemented by comprehensive key of many hybrids. A non-popular orthographical change will be the introduction of the name *Chamerion* instead of already common name *Chamaenerion*. In the family *Geraniaceae* it is to be appreciated the detailed compilation of the genus *Geranium* (B. Slavík). From the original genus *Oxalis*, this name kept only *O. acetosella* L., but 4 yellow-flower weeds were included into the genus *Xanthoxalis* (J. Holub).

The fifth volume contains a number of families of woody species. It is satisfying, that the authors include into the keys also the species cultivated in parks and gardens, which at the lack of our dendrological literature was a problem to determine. This is namely in the family *Caprifoliaceae* (J. Chrtěk) and the genus *Lonicera* (20 species, 2 indigenous only), *Viburnum* (9 species, 2 indigenous), *Vitis* (6 cultivated species), and *Fraxinus* (5 species, 3 indigenous) (J. Koblížek). However, in the comprehensive genus *Acer* more cultivated genera could be included. The separation of *Acer negundo* L. into the genus *Negundo* is not far from new, but has taken up. At the first time the name of the family *Sambucaceae* separated from *Caprifoliaceae* was used in Czech literature. Valuable and graphically well-documented is the elaboration of exclusively foreign genera, e.g. *Aesculus*, *Cotinus*, and *Rhus* (A. Skalická).

Recently, the second reprint of the already sold out Volume I appeared.

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