

THE HERBARIUM OF ENDRE JENEY IV. ROSACEAE

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This part of the series of articles on the herbarium of Endre Jeney is devoted to the family Rosaceae. The revision of the more than 500 specimens representing 114 taxa from Bulgaria, Croatia, Hungary, Italy, Netherlands, Poland, Romania and Slovakia was carried out by three co-authors.

Key words: Bársonyos Hills, BP, Gerecse Mts, herbarium, Rosaceae, Vértes Mts

INTRODUCTION

After the incorporation of the collection of Endre Jeney into those of Hungarian Natural History Museum (BP), its systematic revision was started with ferns (BARINA 2007), followed by the legumes (PIFKÓ 2008) and conifers (RÁCZ 2009). The rosaceous specimens of E. Jeney constitute a rather large segment of the entire collection and have been an interesting subject of botanical scrutiny for our team, lasting altogether about a year.

MATERIAL AND METHODS

The collection of Endre Jeney contains 550 rosaceous specimens. The revision of the genus *Sorbus* was undertaken by Csaba Németh, that of the genus *Rosa* and *Crataegus* by Viktor Kerényi-Nagy, and all other specimens by Zoltán Barina. The section Fruticosae of the genus *Rubus* and the genus *Alchemilla* were excluded from this work phase. Some of the cultivated plant specimens are discussed here under the names originally determined by Endre Jeney (or as labelled in the respective living collection, and so documented by Jeney) because of the lack of the appropriate literature and that incomplete specimens usually make any revisions practically impossible.

Listing and format of the records follow that of the previous publications (BARINA 2007, PIFKÓ 2008, RÁCZ 2009). The spelling of Hungarian toponyms and relevant settlement names has been applied according to FÖLDI (1981), which required changing some names used by Jeney, to accommodate all names into a single style. The current name of the settlement is given in brackets if it is not located in present-day Hungary, but it has a historical Hungarian name (the only form used by Endre Jeney). The spelling of those toponyms that fall outside the borders of Hungary follows the GeoNames (2010) geographical database. After the description of the localities, the name of the relating mountain(s) can be found in brackets. Because of these small changes, in most cases the description of the localities here, versus the original herbarium labels, may formally be different, but we made it sure to retain the same content. The toponyms are followed by the elevation (in meter), the collecting date, and the inventory number(s). Since in all cases E. Jeney was the collector, his name is not indicated in the entries. Comments by the present authors are in square brackets. In case of revision the original identifications are not noted here.

The nomenclature follows TUTIN *et al.* (1968) and that of the cultivated and exotic plants is based on Index Kewensis (2004–); nomenclature of a few smaller groups follows the most recent taxonomic monographs.

ENUMERATION

Agrimonia eupatoria L. – HUNGARY: Bátorliget (Aporliget), Fényi-erdő, in dry forest, 01.07.1957, BP 672575. Mocsa, Tömörpuszta, in dry grassland, 150 m, 04.07.1981, BP 672576. Nyírac nád, “Gúth”, in grassy forest, 120 m, 06.07.1955, BP 672574. Oroszlány, Majki-erdő (Vértes Mts), in oak forest, 200 m, 24.07.1992, BP 672577.

Agrimonia procera Wallr. – HUNGARY: between villages Bakonysárkány and Vértsekethely (Bársonyos Hills), in oak forest, 150 m, 10.03.2000, BP 672578, rev. Z. Barina.

Amelanchier ovalis Medik. – HUNGARY: Csákvár, S slope of Mt Haraszt-hegy (Vértes Mts), on dolomite rocks, 340 m, 19.06.1986, BP 672137.

Aphanes arvensis L. – HUNGARY: Iborfia, in corn field, 07.06.1997, BP 672557.

Aruncus dioicus (Walter) Fernald – HUNGARY: Kőszeg, Szabó-hegy (Kőszeg Mts), along a brooklet, 07.07.1957, BP 671990. Kőszeg, at the edge of a brooklet, 06.07.1957, BP 671989. Sopron, Tolvaj-árok, at forest margin, 300 m, 02.08.1969, BP 671991, BP 671992. – POLAND: Zakopane, Bystricka brook (Tatry Wysokie), 1000 m, 08.07.1977, BP 671993, BP 671994, BP 671995.

Cerasus serrulata Lindl. – HUNGARY: Tata, planted in a garden, 80 m, 08.05.1991, BP 672671.

Chaenomeles japonica (Thunbg.) Lindl. – HUNGARY: Nyergesújfalu, planted in a garden, 120 m, BP 672017.

Chaenomeles lagenaria Koidz. – HUNGARY: Nyergesújfalu, planted in a garden, 150 m, 23.08.1982, BP 672018.

Cotoneaster horizontalis Decne. – HUNGARY: Nyergesújfalu, planted in a garden, 130 m, 12.07.1982, BP 671996.

Cotoneaster integerrimus Medik. – HUNGARY: Bicske (Óbarok), Lóingató (Gerecse Mts), on limestone rocks, 300 m, 12.05.1986, BP 672000, cit. BARINA (2006: 147, sub *C. niger* Fr.). Szár, Zuppa (Gerecse Mts), in rocky place, 300 m, 05.05.1983, BP 672001, cit. BARINA (2006: 147, sub *C. niger* Fr.). Tokod, Hegyes-kő (Gerecse Mts), on limestone rocks, 250 m, 26.08.1986, BP 672009, cit. BARINA (2006: 147, sub *C. niger* Fr.). – SLOVAKIA: Krasznahorka (Krásna Hôrka), Vár-hegy, in shrubby slope, 550 m, 06.05.1989, BP 671998.

Cotoneaster niger (Thunbg.) Fr. – HUNGARY: Dömös, Vadálló-kövek (Visegrád Mts), on andesite rocks, 500 m, 26.05.1991, BP 672006. Parád, Disznó-kő (Mátra Mts), in shrubby place, 900 m, 12.07.1991, BP 672013. Piliscsév, Szirtes-tető (Pilis Mts), in forest, 300 m, 22.04.1984, BP 672012. Piliscsév, Szirtes-tető (Pilis Mts), in rocky forest, 300 m, 22.04.1984, BP 672011. Pilisszentlélek, Fekete-kő (Pilis Mts), in rocky forest, 540 m, 14.06.1962, BP 672005. Szilvásvárad, Istálló-kő (Bükk Mts), in rocky forest, 600 m, 24.07.1953, BP 672003. Tapolca, Szent György-hegy (Balaton Uplands), in forest, 400 m, 10.07.1957, BP 672004. Tatabánya, Csúcsos-hegy (Gerecse Mts), in shrubby place, 300 m, 29.08.1984, BP 672008, cit. BARINA (2006: 147). Tokod, Hegyes-kő (Gerecse Mts), on limestone rocks, 250 m, 26.08.1986, BP 672010, cit. BARINA (2006: 147). Veszprém, N slope of Mt Csatár-hegy (Bakony Mts), on dolomite rock, 300 m, 08.09.1987, BP 689736. – ROMANIA: Gyergyószentmiklós (Gheorgheni), at the foot of Mt Gyilkos-kő (Munții Giurgeni), in dry grassland, 1200 m, 24.07.1995, BP 672002. Gyergyószentmiklós (Gheorgheni), Cohárd (Munții Giurgeni), in rocky grassland, 1700 m, 16.08.1981, BP 672007.

Cotoneaster salicifolia Fr. – NETHERLANDS: Utrecht, Den Hommel, planted in park, 04.07.1996, BP 672014.

Cotoneaster tomentosus Lindl. – HUNGARY: Csákvár, Lóállás-tető (Ló-hegy) (Vértes Mts), in dolomite rocks, 250 m, 24.09.1978, BP 671997, BP 671999.

Crataegus × *deltoxyacantha* (Pérez) Baranec – HUNGARY: Kocs, W slope of valley Hosszú-völgy (Bársonyos Hills), in shrubby place, 100 m, 23.04.1990, BP 672150. Miskolc, Ládi-tető (Bükk Mts), at forest edge, 300 m, 28.05.1980, BP 672146, BP 672147.

Crataegus × *lavallei* Her. – NETHERLANDS: Utrecht, Den Hommel, planted in park, 04.07.1996, BP 672175.

Crataegus laevigata (Poir.) DC. – HUNGARY: Budapest XIV, Városliget (planted in city park), 100 m, 25.10.1992, BP 672151. Esztergom, Vaskapu (Visegrád Mts), in rocky, shrubby place, 400 m, 18.05.1980, BP 672148. Ipolytarnóc, “Zörgő” brook (Karancs Mts), in humid forest, 150 m, 07.05.1989, BP 672144. Monostorapáti, Boncsos-tető (Balaton Uplands), at the edge of oak forest, 200 m, 20.09.1991, BP 672145. Nyergesújfalu, Eternit-telep, planted in a garden, 16.05.1983, BP 672142. Nyergesújfalu, Eternit-telep, planted in a garden, 150 m, 16.05.1983, BP 672143. Tákos, in shady forest, 100 m, 26.09.1981, BP 672149.

Crataegus monogyna Jacq. – HUNGARY: Bokod (Bársonyos Hills), margin of Black locust (*Robinia pseudoacacia*) plantation, 170 m, 09.08.2001, BP 672173. Császár, Kopasz-hegy (Bársonyos Hills), at forest edge, 250 m, 11.09.1999, BP 672167. Debrecen, in shady forest, 80 m, 20.05.1955, BP 672158. Héreg, Fehér-kő (Gerecse Mts), in oak forest, 400 m, 10.05.1984, BP 672056, cit. BARINA (2006: 153). Izsák, “Radványi-tanya”, in cottonwood forest, 90 m, 04.05.1975, BP 672161. Kisbér-Apáti, 90 m, 28.04.1989, BP 672165. Kocs, Badacsony (Bársonyos Hills), in shrubby place, 200 m, 07.09.1984, BP 672163.

Környe, Környei-tó, in moist forest, 140 m, 10.07.2001, BP 672172. Mocsa, Tömördpuszta, by the roadside, 150 m, 28.09.1980, BP 672162. Németkér, "Farkas-erdő", in oak forest, 100 m, 16.05.1985, BP 672164. Neszmély, Korpás-hegy (Gerecse Mts), in dry grassland, 150 m, BP 672157, cit. BARINA (2006: 153). Nyergesújfalu, Rábl-patak (Gerecse Mts), in shrubby place, 150 m, 02.06.1981, BP 672152, BP 672153, cit. BARINA (2006: 153). Szomód, Csúcs-hegy (Gerecse Mts), in scrub-belt, 150 m, 02.09.1982, BP 672154, BP 672155, cit. BARINA (2006: 153). Zámoly, Burján-árok, at the edge of shady forest, 150 m, 07.08.2003, BP 703387.

Crataegus monogyna Jacq. subsp. *acutiloba* (J. B. Kerner) Baranec – HUNGARY: Császárs, S slope of hill Kopasz-hegy (Bársonyos Hills), oak forest margin, 15.08.2000, BP 672168. Izsák, "Radványi-tanya", in cottonwood forest, 90 m, 04.05.1975, BP 672160. Komárom, Monostori-sziget, in humid forest, 100 m, 01.08.1990, BP 672166. Mór, Totojadűlő (Bársonyos Hills), in shrubby place, 200 m, 05.06.2000, BP 672169.

Crataegus monogyna Jacq. subsp. *brevispina* (Kuncze) Franco (= *C. monogyna* var. *microphylla* Csató) – CROATIA: Novigrad (Istria), in shrubby forest, 17.05.1995, BP 672174.

Crataegus sp. (not identifiable specimens) – HUNGARY: Bokod, Erzsébeti-ér (Bársonyos Hills), in humid forest, 170 m, 25.07.2000, BP 672171. Debrecen, Haláp, in sandy forest, 01.06.1955, BP 672159. Vérteskethely, Durdó (Bársonyos Hills), in forest, 210 m, 10.07.2000, BP 672170.

Cydonia oblonga Mill. – HUNGARY: Bokod, Tehén-hegy (Bársonyos Hills), in vineyard, 200 m, 05.05.1999, BP 672016. Tokod, Sas-hegy (Gerecse Mts), cultivated in vineyard, 200 m, 21.05.1962, BP 672015, cit. BARINA (2006: 148).

Dryas octopetala L. – ROMANIA: peak Omu (Omul) (Bucsecs, Munții Bucegi), in alpine meadow, 2500 m, 12.08.1956, BP 672337.

Duchesnea indica (Andrews) Focke – HUNGARY: Pécs, in the parking lot of Vasarely Museum (Mecsek Mts), escaped, 19.05.1998, BP 672345.

Filipendula ulmaria (L.) Maxim. – HUNGARY: Aka, 100 m, 11.07.1987, BP 672539. Bokod, Bika-réti-patak, Erzsébeti-erdő (Bársonyos Hills), in humid forest, 170 m, 25.07.2000, BP 672542. Környe, Környei-tó, in moist forest, 140 m, 10.07.2001, BP 672543, BP 672544. – ROMANIA: Szováta (Sovata), "Bekecs-alja" (Görgényi-havasok, Munții Gurghiu), along a brooklet, 600 m, 05.08.1993, BP 672540. At the foot of Mt Feketerez (Gyergyói-havasok, Munții Giurgeului), along a brooklet, 27.06.1985, BP 672541.

Filipendula vulgaris Moench – HUNGARY: between the villages of Füzér and Füzérradvány (Zemplén Mts), 250 m, 12.06.1955, BP 672545, BP 672546. Dömös, SW slope of Mt Vadálló-kövek (Visegrád Mts), in grassland, 700 m, 27.06.1969, BP 672547. Hetényegyháza, Nagynyíri-erdő, in forest, 80 m, 01.06.1975, BP 672548. Hetényegyháza, Nagynyíri-erdő, in forest clearing, 01.06.1975, BP 672549. Környe, Öregszőlő-hegy (Bársonyos Hills), in dry grassland, 200 m, 09.06.1999, BP 672553. Lenti, Mumor, in meadow, 150 m, 03.06.1997, BP 672552. Nyergesújfalu, Sanci-dűlő (Gerecse Mts), in dry grassland, 100 m, cit. Z. Barina, 03.06.1984, BP 672550, BP 672551.

Fragaria moschata Duchesne – BULGARIA: Burgas, Atanasovo, in shady forest, 11.04.1979, BP 672342. – HUNGARY: Aka, in oak forest (Bakony Mts), 200 m, 08.06.1987, BP 672334. Budapest, János-hegy (Buda Mts), in oak forest, 23.05.1986, BP 672332. Buda-

pest, János-hegy (Buda Mts), in shady forest, 300 m, 23.05.1986, BP 672333. Esztergom, Vaskapu (Visegrád Mts), in dry grassland, 400 m, 18.05.1980, BP 672337. Kocs, Hosszú-völgy (Bársonyos Hills), in dry grassland, 100 m, 23.04.1990, BP 672344. Pocsaj, in meadow, 120 m, 03.05.1981, BP 672348. Sárospatak, along a brooklet, 130 m, 08.06.1955, BP 672340. Vértestolna, Kappan-bükk (Gerecse Mts), in oak forest, 300 m, cit. Z. Barina, 04.05.1990, BP 672331.

Fragaria vesca L. – HUNGARY: Bokod, Öreg-erdő (Bársonyos Hills), in oak forest, 250 m, 19.05.1999, BP 672338. Csipkerek (region Kemeneshát), in meadow, 250 m, 10.06.1981, BP 672343. Debrecen, Nagyerdő, at forest edge, 80 m, 18.06.1954, BP 672336. Debrecen, Nagyerdő, in shady forest, 80 m, 17.05.1953, BP 672339. Füzéradvány, Kis-hegy (Zemplén Mts), in dry grassland, 300 m, 14.05.1987, BP 672335. Környe, Tagyos (Bársonyos Hills), in dry grassland, 220 m, 09.06.1999, BP 672352. Parád, Sas-kő (Mátra Mts), in rocky grassland, 900 m, 12.07.1991, BP 672349, BP 672350. Tata, by a forest pathway, 80 m, 10.05.1991, BP 672330. – ROMANIA: Mezőfény (Foieni), Fényi-erdő, in sandy forest, 120 m, 19.05.2001, BP 672341.

Fragaria viridis Duchesne – HUNGARY: Kóny, “Nagyvér”, in dry grassland, 100 m, 01.05.1993, BP 672351. Tata, “Réti-major”, in dry grassland, 100 m, 22.05.1998, BP 672346.

Geum montanum L. – ROMANIA: Brebu (Podiacu), Munții Făgăraș, in alpine pasture, 2200 m, 15.08.1952, BP 672535. Peak Omu (Omul) (Bucsecs, Munții Bucegi), 2500 m, 16.08.1956, BP 672534. – SLOVAKIA: Lomnici-csúcs (Lomnický štít) (Tatra Mts, Vysoké Tatry), in grassland, 1850 m, 25.07.1956, BP 672533.

Geum reptans L. – ROMANIA: peak Omu (Omul) (Bucsecs, Munții Bucegi), 2600 m, 13.08.1956, BP 672536.

Geum rivale L. – POLAND: Białowieza, river Narevka, wet meadow, 01.08.1963, BP 672530. Zakopane, Bystricka brook (Tatry Wysokie), 09.07.1976, BP 672531. – ROMANIA: Balánbánya (Bălan), Mt Öcsém (Ecem) (Csiki-havasok, Munții Ciucului), 13.07.1956, BP 672528. Gyergyószentmiklós (Gheorgheni), lake Gyilkos-tó (Lacul Rosu) (Munții Giurgeu), in alder forest, 1000 m, 02.07.1999, BP 672527. Hargita Mts, 1300 m, 31.07.1956, BP 672529.

Geum urbanum L. – HUNGARY: Debrecen, Nagyerdő, in shady forest, 80 m, 27.05.1953, BP 672523. Kocs, 170 m, 01.09.1999, BP 672525. Lábatlan, N slope of Mt Bersek-hegy (Gerecse Mts), in dry grassland, 250 m, 15.05.1962, BP 672524. Pécs, Tubes (Mecsek Mts), in oak forest, 450 m, 17.05.1994, BP 672526. – NETHERLANDS: Utrecht, Den Hommel, planted in park, 3 m, 04.07.1996, BP 672532.

Kerria japonica (L.) DC. – HUNGARY: Nyergesújfalu, planted in a garden, 160 m, 09.05.1965, BP 672177.

Malus baccata (L.) Borkh. – NETHERLANDS: Utrecht, Den Hommel, planted in park, 04.07.1996, BP 672047. – SLOVAKIA: Komarno (Révkomárom), planted in a garden, 80 m, 09.08.1988, BP 672049.

Malus dasycphylla Borkh. – HUNGARY: Kóny, “Nagyvér”, at forest edge, 100 m, 01.05.1993, BP ??????.

Malus domestica Borkh. convar. ‘Jonathán’ – HUNGARY: Süttő, planted in a garden, 100 m, 22.10.1967, BP 672068.

Malus pumila Miller – HUNGARY: Lébénymiklós, planted in a garden, 80 m, 19.10.1988, BP 672051. – NETHERLANDS: Utrecht, Den Hommel, planted in park, 04.07.1996, BP 672050.

Malus × *purpurea* (Barbier) Rhed (= *M. atropurpurea* × *niedzwetzkyana*) – HUNGARY: Tata, planted in a garden, 80 m, 29.04.1991, BP 672019.

Malus spectabilis (Ait.) Borkh. – HUNGARY: Tata, planted in a garden, 120 m, 03.08.1995, BP 672069.

Malus sylvestris Mill. – BULGARIA: Sozopol, bay Kavatsite (Strandzha Mts), at forest edge, 300 m, 12.04.1979, BP 672059. – HUNGARY: Ajka and Padragkút, at forest edge (Bakony Mts), 30 m, 05.08.1997, BP 672066. Bicske (Óbarok), Lóingató (Gerecse Mts), in shrubby place, 250 m, cit. Z. Barina, 15.09.1989, BP 672054. Gyöngyös, Körtvélyes (Mátra Mts), in oak forest, 400 m, 11.07.1991, BP 672064. Kömlőd (Bársonyos Hills), in shrubby place, 200 m, 27.04.2000, BP 672057. Mátraszentimre (Mátra Mts), 21.08.1971, BP 672062. Nárai, at forest edge, 200 m, 25.06.1967, BP 672063. Pilismarót, by the roadside, 100 m, 08.08.1982, BP 672060. Pusztavám, Szóke-hegy (Bársonyos Hills), in oak forest, 220 m, 17.08.1999, BP 672067. Tákos, Bockereki-erdő, in oak forest, 100 m, 26.09.1981, BP 672061. Tata, planted in a garden, 140 m, 23.09.2001, BP 672052. Tata, 100 m, 14.04.1998, BP 672053. Tata, “Réti-major”, in shady forest, 100 m, 22.05.1998, BP 672055. Tata-bánya, Kálvária-hegy (Gerecse Mts), in oak forest, 300 m, cit. Z. Barina, 09.06.1989, BP 672056.

Malus toringo Sieb. – NETHERLANDS: Utrecht, Den Hommel, planted in park, s.d., BP 672070. Utrecht, Kanaleneiland, planted in park, s.d., BP 672071.

Malus sp. (not identifiable specimens) – HUNGARY: Csepreg, Boldogasszony, in orchard, 22.09.1997, BP 672048. – NETHERLANDS: Utrecht, Den Hommel, planted in park, 04.07.1996, BP 672072.

Mespilus germanica L. – HUNGARY: Lábatlan, Búzás-hegy (Gerecse Mts), at the edge of vineyards, 240 m, cit. Z. Barina, 15.10.1967, BP 672138. Sarkad, József Szanatórium, in abandoned orchard, 11.08.1991, BP 672141. Szomód, Ferencmajor (Little Hungarian Plain), in an abandoned garden, 100 m, 15.09.1982, BP 672140. Tokod, Sas-hegy (Gerecse Mts), between vineyards, 200 m, cit. Z. Barina, 21.05.1962, BP 672039.

Potentilla alba L. – HUNGARY: Gyöngyös, Sár-hegy (Mátra Mts), in grassland, 450 m, 18.09.1955, BP 672362. Hajmáskér (Bakony Mts), in oak forest, 30.04.1967, BP 672365. Nyirád, Alsónyirádi-erdő (Bakony Mts), in oak forest, 100 m, 21.05.1984, BP 672366, BP 672367. Pécs, Istenáldása (Mecsek Mts), in forest clearing, 350 m, 27.04.1956, BP 672364. Vértestolna, Kappan-bükk (Gerecse Mts), in oak forest, 300 m, cit. Z. Barina, 04.05.1990, BP 672361. Veszprém, in the valley of stream Séd (Bakony Mts), in grassland, 29.04.1956, BP 672363.

Potentilla anserina L. – HUNGARY: Nagyigmánd, “Sziget-tanya”, in dry place, 100 m, 04.07.1981, BP 702992.

Potentilla arenaria Borkh. – HUNGARY: Balmazújváros, in dry pasture, 100 m, 22.05.1954, BP 672509. Debrecen, Apafa, 29.06.1953, BP 672507. Füzér, on andesite rocks, 900 m, 18.10.1953, BP 672508. Komárom, Koppánymonostor, in dry, sandy grassland, 120 m, 12.04.1991, BP 672514. Móricgát, in sandy grassland, 80 m, 20.04.1975, BP 672511. Nyúl, “Szentpál-tető”, 300 m, 15.04.1984, BP 672512. Pusztavám, Szóke-hegy

(Bársonyos Hills), in sandy grassland, 220 m, 04.04.2001, BP 672515. Szárliget, SW slope of Mt Zuppa-tető (Gerecse Mts), in grassland, 380 m, cit. Z. Barina, 15.04.1991, BP 672513.

Potentilla argentea L. – HUNGARY: Almásneszmély (Dunaalmás and Neszmély), in dry grassland, 150 m, 03.06.1984, BP 672503. Baj, Lábás-hegy (Gerecse Mts), in dry grassland, 300 m, cit. Z. Barina, 27.07.1997, BP 672442. Bisse, Tenkes (Villány Mts), in dry grassland, 300 m, 22.06.1984, BP 672428. Bokod (Bársonyos Hills), by the roadside, 200 m, 24.05.2000, BP 672397. In airfield at Budaörs, in dry place, 100 m, 23.10.1989, BP 672504, BP 672505. Császár, Gazdák erdeje (Bársonyos Hills), in dry grassland, 170 m, 11.09.1999, BP 672446. Császár, Vágott-cser (Bársonyos Hills), in dry, rocky grassland, 200 m, 15.06.2001, BP 672404. Csipkerek (region Kemeneshát), in shrubby place, 250 m, 10.06.1981, BP 672413, BP 672414. Debrecen, 28.10.1953, BP 672390. Dömös, Dobogókő (Visegrád Mts), in forest, 600 m, 06.08.1979, BP 672409. Dömös, Vadálló-kövek (Visegrád Mts), on andesite rocks, 700 m, 27.06.1969, BP 672421. Dunaalmás, Köpíte-hegy (Gerecse Mts), in dry grassland, 200 m, cit. Z. Barina, 05.06.1977, BP 672416. Dunaalmás, Újtelep (Gerecse Mts), in dry, sandy grassland, 150 m, cit. Z. Barina, 06.10.1991, BP 672500. Dunaalmás, in dry, sandy grassland, 120 m, cit. Z. Barina, 03.06.2001, BP 672403. Dunaalmás, in dry, sandy grassland, 100 m, 31.05.1994, BP 672408. Esztergom, Kenyérmező, in sandy grassland, 19.05.1975, BP 672420. Farnos, in saline habitat, 11.07.1975, BP 672435. Gyöngyös, Körtvélyes (Mátra Mts), in dry grassland, 400 m, 11.07.1991, BP 672436. Héreg, Pörös-hegy (Gerecse Mts), in dry grassland, 300 m, cit. Z. Barina, 05.06.1998, BP 672407. Hetényegyháza, Nagynyíri-erdő, 01.06.1975, BP 672405. Hetényegyháza, Nagynyíri-erdő, in oak forest, 90 m, 01.06.1975, BP 672410. Hetényegyháza, Nagynyíri-erdő, in oak forest, 80 m, 01.06.1975, BP 672440. Hosszúpályi, Messzelátó, in dry grassland, 110 m, 16.07.1982, BP 672433. Karcag, Tilalmas, in grassland, 80 m, 24.05.1957, BP 672424. Karcag, Tilalmas, in saline pasture, 80 m, 24.05.1957, BP 672423. Kisapáti, S slope of Mt Szent György-hegy (Balaton Uplands), in rocky forest, 400 m, 23.05.1996, BP 672427. Kisbér, in dry grassland, 100 m, 09.07.1987, BP 672391. Környe (Bársonyos Hills), in dry grassland, 150 m, 26.06.1998, BP 672396. Környe, Környei-tó, in dry place, 140 m, 10.07.2001, BP 672393. Mocska, in dry grassland, 150 m, 04.07.1981, BP 672411. Nyergesújfalu, in dry grassland, 120 m, cit. Z. Barina, 27.05.1969, BP 672422. Pécsvárad, Zengő (Mecsek Mts), in grassland, 400 m, 12.06.1979, BP 672417, BP 672418, BP 672419. Révfülöp, Fülöp-hegy (Balaton Uplands), in dry grassland, 300 m, 04.07.1975, BP 672415. Szákszend (Bársonyos Hills), in dry grassland, 100 m, 07.06.1985, BP 672426. Szurdokpüspöki (Mátra Mts), in dry grassland, 320 m, 29.08.2002, BP 672449. Tardosbánya, Gorba-hegy (Gerecse Mts), in oak forest, 400 m, 07.06.1984, BP 672429. Tata, Május 1 street, 140 m, 23.09.2001, BP 672394. Tata, Öregtő (Little Hungarian Plain), in dry grassland, 150 m, 18.06.1981, BP 672506. Tata, towards Ferencmajor, along an unused road, 14.06.1989, BP 672401, BP 672402. Tata, in dry grassland, 120 m, 13.05.1983, BP 672430, BP 672443. Tiszafüred, 100 m, 10.06.1998, BP 672444. Tokaj, Kopasz (Zemplén Mts), in dry grassland, 500 m, 20.07.1990, BP 672437. Várgesztes, at the foot of Mt Lófő (Vértes Mts), in shrubby place, 200 m, 27.05.1983, BP 672425. Velence-Nadap, Velencei-hegység, 300 m, 12.06.1985, BP 672452. Vértessomló, at the foot of Mt Nagy-Somlyó (Vértes Mts), in dry grassland, 250 m, 06.06.1981, BP 672412. Veszprém, Móricz Zsigmond street (Bakony Mts), in gaps of pavement, 09.10.1999, BP 672501. – ITALY: Alto-Adige, montium Ostaler Alpen, 1200 m,

28.06.1993, BP 672447. – ROMANIA: Maroshévíz (Toplița), in montane hay-field, 1200 m, 23.07.1995, BP 672400. – SLOVAKIA: Kistornya (Malá Trňa) (Zemplén Mts), in rocky grassland, 300 m, 17.05.2001, BP 672398.

Potentilla aurea L. – ROMANIA: Görgényi-havasok (Munții Gurghiu), Bucsin (Bucin) alpine hut, 1270 m, 03.07.1999, BP 672518. Streza Kercisora, Lake Bilea, Mt Negoi (Fogarasi-havasok, Munții Făgăraș), in pasture, 2200 m, 09.08.1993, BP 672491. – SLOVAKIA: Mt Solisko (Magas-Tátra, Vysoké Tatry), in montane grassland, 2200 m, 31.07.1988, BP 672490. Tarpataki-völgy (Studená dolina) (Magas-Tátra, Vysoké Tatry), in forest, 1400 m, 26.07.1956, BP 672517.

Potentilla collina Wibel – HUNGARY: Bajót, Öreg-kő (Gerecse Mts), in dry grassland, 380 m, cit. Z. Barina, 19.05.1975, BP 672406. Bársonyos (Bársonyos Hills), in dry grassland, 150 m, 02.07.1988, BP 672441. Kocs, “P. völgy” (Bársonyos Hills), in dry grassland, 220 m, 01.09.1999, BP 672445. Kocs, W slope of hill Badacsony (Bársonyos Hills), in dry grassland, 150 m, 16.07.1985, BP 672399. Környe, S slope of hill Tagyos (Bársonyos Hills), in dry grassland, 250 m, 09.06.1999, BP 672451. Szomód, Csúcs-hegy (Gerecse Mts), in sandy grassland, 150 m, cit. Z. Barina, 02.09.1982, BP 672431, BP 672432, BP 672434. Vérteskethely, (Bársonyos Hills), in dry grassland, 200 m, 04.07.2000, BP 672450. – SLOVAKIA: Marcelháza (Marcelová), “Öreg-hegy”, in dry grassland, 150 m, 28.06.1989, BP 672439. Marcelháza (Marcelová), “Vadászlaki-rész”, in dry grassland, 150 m, 18.06.1992, BP 672448. Ógyalla (Hurbanovo), in sandy pasture, 120 m, 28.06.1990, BP 672438.

Potentilla erecta (L.) Raeusch. – HUNGARY: Csesztreg, in meadow, 150 m, 04.06.1997, BP 672389. Miskolc, Csipkésút (Bükk Mts), near a spring, 400 m, 07.08.1955, BP 672384. Nagyhuta, Kemence-patak, Kókapu (Zemplén Mts), in meadow, 200 m, 12.06.1955, BP 672382. Nyirád, Alsónyirádi-erdő (Bakony Mts), in wet meadow, 150 m, 21.05.1984, BP 672386. Ócsa, in meadow, 100 m, 18.06.1955, BP 672383. – ITALY: St. Genesio (Ötztaler Alpen), in grassland, 1500 m, 01.07.1993, BP 672388. – ROMANIA: Predeal, Diham (Munții Bucegi), in grassland, 1000 m, 10.08.1956, BP 672516. Tusnádfürdő (Băile Tușnad), Szent Anna-tó (Lacul Sfânta Ana), Nagy-Csomád, Ciomatul Mare (Bodoki-hegység, Munții Bodoc), in montane meadow, 1280 m, 14.08.1981, BP 672385. – SLOVAKIA: Mt Solisko (Vysoké Tatry Mts), in montane grassland, 2200 m, 31.07.1988, BP 672387.

Potentilla fruticosa L. – HUNGARY: Siklós, planted in a garden, 100 m, 06.07.1985, BP 672519.

Potentilla heptaphylla L. – HUNGARY: Bajót, Öreg-kő (Gerecse Mts), in dry grassland, 350 m, cit. Z. Barina, 19.06.1975, BP 672492. Császár, “Nagy-legelő”, in sandy grassland, 100 m, 27.04.1990, BP 672499. Esztergom, Kiskúria-hegy (Visegrád Mts), in dry grassland, 300 m, 18.05.1980, BP 672494. Esztergom, SW slope of Mt Szamár-hegy (Visegrád Mts), in rocky grassland, 250 m, 01.05.1978, BP 672493. Kocs, “P. völgy” (Bársonyos Hills), in dry grassland, 200 m, 27.04.2000, BP 672502. Pécs, Tubes (Mecsek Mts), on limestone rocks, 500 m, 27.04.1956, BP 672510. Vértesomló, E slope of Mt Nagy-Somlyó (Vértes Mts), in rocky grassland, 300 m, 19.05.1981, BP 672495, BP 672496, BP 672497. Vértestolna, Kappan-bükk (Gerecse Mts), in dry grassland, 450 m, cit. Z. Barina, 04.05.1990, BP 672498.

Potentilla impolita Wahlbg. – HUNGARY: Dunaalmás, in dry, sandy grassland, 100 m, 31.05.1994, BP 672408, cit. BARINA (2006: 157).

Potentilla inclinata Vill. – HUNGARY: Csobánka, SW slope of Mt Hosszú-hegy (Pilis Mts), in oak forest, 300 m, 14.07.1990, BP 672395.

Potentilla leucopolitana P. J. Müll. – HUNGARY: Mór, Felsődobos, in abandoned vineyard, 200 m, 02.08.2000, BP 672392.

Potentilla micrantha Ramond ex DC. – HUNGARY: Pécs, Tubes (Mecsek Mts), in shady forest, 500 m, 26.04.1956, BP 672347.

Potentilla palustris (L.) Scop. – HUNGARY: Bátorliget “Nyírpilis”, Gánás-tanyai láp (Nyírség), in wet place, 120 m, 26.06.1955, BP 672353. – POLAND: Białowieża, river Narevka, in bog, 01.08.1963, BP 672354, BP 672355.

Potentilla recta L. – HUNGARY: Agostyán, Bocsátó-völgy, in oak forest (Gerecse Mts), 200 m, 19.08.1996, BP 672483. Baj, at the foot of Mt Lásas-hegy (Gerecse Mts), in dry grassland, 200 m, cit. Z. Barina, 27.07.1997, BP 672484. Bajót, Dámvasdas (Gerecse Mts), in forest clearing, 200 m, cit. Z. Barina, 25.06.1981, BP 672467. Bajót, Öreg-kő (Gerecse Mts), in dry grassland, 350 m, cit. Z. Barina, 14.07.1975, BP 672460. Bátorliget (Aporliget), in shady forest, 120 m, 26.06.1955, BP 672453. Bisse, Tenkes, in shrubby forest, 200 m, 22.06.1984, BP 672468. Dömös, by the roadside, 200 m, 27.06.1969, BP 672457. Esztergom, SW slope of Mt Szamár-hegy (Visegrád Mts), in rocky grassland, 300 m, 06.08.1975, BP 672458. Fonyód: Várhegy, in oak forest, 12.07.1963, BP 672455. Füle (Mezőföld region), in dry grassland, 100 m, 13.07.1998, BP 672487. Füle (Mezőföld region), in loessy grassland, 100 m, 13.07.1998, BP 672486. Gyöngyös, Muzsla-tető (Mátra Mts), in oak forest, 400 m, 11.07.1991, BP 672480. Kömlőd, Szőlőhegy (Bársonyos Hills), in dry grassland, 200 m, 20.08.1988, BP 672473. Környe, W slope of hill Tagyos (Bársonyos Hills), in dry grassland, 200 m, 09.06.1999, BP 672488. Markaz, Kis-kő (Mátra Mts), in dry grassland, 700 m, 18.09.1955, BP 672454. Nagyharsány, Szársomlyó (Villány Mts), in rocky grassland, 100 m, 05.07.1985, BP 672470, BP 672471, BP 672472. Nyírmada, in dry grassland, 100 m, 26.09.1981, BP 672464, BP 672466. Orfű, Balázs-hegy (Mecsek Mts), in a forest, 300 m, 08.07.1985, BP 672469. Öskü, between “Merterföldek” and “Péti-hegy” (Bakony Mts), in dry grassland, 170 m, 22.08.1999, BP 672489. Parád, Disznó-kő (Mátra Mts), in forest, 900 m, 12.07.1991, BP 672481. Pécsvárad (Mecsek Mts), in dry grassland, 150 m, 12.06.1979, BP 672462. Pécsvárad, Dombay-tó (Mecsek Mts), in dry grassland, 150 m, 12.06.1979, BP 672463. Pilisszentkereszt, Vaskapu-hegy (Pilis Mts), in shrubby place, 350 m, 19.04.1965, BP 672456. Révfülöp, Fülöp-hegy (Balaton Uplands), in dry grassland, 300 m, 04.07.1975, BP 672459, BP 672461. Szomód, Ferencmajor (Little Hungarian Plain), in dry grassland, 90 m, 14.06.1989, BP 672475, BP 672476, BP 672477. Tata, Fényes-fürdő, in dry grassland, 30.06.1998, BP 672485. Tokaj, Kopasz (Zemplén Mts), in dry grassland, 500 m, 20.07.1990, BP 672478, BP 672479. – ROMANIA: Poriara Teiolui, “Békás-tó”, in shrubby place, 500 m, 24.07.1995, BP 672482. – SLOVAKIA: Trenčsén (Trenčín), “Várhegy” (Alacsony-Tátra, Nízke Tatry), in grassland, 400 m, 01.07.1989, BP 672474.

Potentilla rupestris L. – HUNGARY: Nagyhuta, Kemence-patak, Kőkapu (Zemplén Mts), in meadow, 200 m, 12.06.1955, BP 672356. Nyírad, Alsónyirádi-erdő (Bakony Mts), in wet meadow, 150 m, 21.05.1984, BP 672357, BP 672358, BP 672359, BP 672360.

Potentilla supina L. – HUNGARY: Bábólna, in meadow, 80 m, 03.08.1996, BP 672380. Bakonybánk (Bakony Mts), in corn-field, 150 m, 11.10.1991, BP 672379. Karcag, Cser-hát, in muddy, saline place, 100 m, 20.06.1994, BP 672381. Lábatlan, at river Danube,

160 m, 29.08.1967, BP 672370. Mosonmagyaróvár, Lajta, 100 m, 28.07.1985, BP 672375. Neszmély, 150 m, cit. Z. Barina, 12.09.1967, BP 672371. Neszmély, Alsó-sziget, in ruderal place, 100 m, 08.10.2000, BP 672373. Nyergesújfalu, at river Danube, 163 m, 26.05.1963, BP 672374. Nyergesújfalu, by the roadside, 150 m, cit. Z. Barina, 17.09.1979, BP 672369. Nyergesújfalu, in shady place, 160 m, cit. Z. Barina, 30.08.1964, BP 672372. Sárvár, Piac tér, in ruderal place, 100 m, 16.10.1999, BP 672368. Szomód, Ferencmajor (Little Hungarian Plain), in alfalfa-field, 120 m, 06.08.1986, BP 672376. Zalaegerszeg, Ola, in pavement gaps, 20.07.1987, BP 672377. – SLOVAKIA: Ógyalla (Hurbanovo), in sandy meadow, 120 m, 28.06.1990, BP 672378.

Prunus avium L. – HUNGARY: Debrecen, Nagyerdő, in shady forest, 70 m, 03.04.1989, BP 672666. Esztergom, Vaskapu (Visegrád Mts), in shady forest, 400 m, 23.04.1967, BP 672661. Győrladamér, in shady forest, 80 m, 28.07.1999, BP 672668. Lébény, in humid forest, 100 m, 28.06.1991, BP 672667. Móricgát, 20.04.1975, BP 672662. Móricgát, at the edge of wood plantation, 90 m, 20.04.1975, BP 672663. Piliscsév, Szirtes-tető (Pilis Mts), in oak forest, 200 m, 22.04.1984, BP 672665. Sikonda, “Szentimre-erdő” (Mecsek Mts), in oak forest, 300 m, 21.06.1984, BP 672664. Szár, Fáni-völgy (Vértes Mts), in shady forest, 250 m, 25.04.1965, BP 672660. – ROMANIA: Mezőfény (Foieni), Fényi-erdő, in shady forest, 90 m, 19.05.2001, BP 672669.

Prunus cerasifera Ehrh. – HUNGARY: Győrladamér, 100 m, 28.07.1999, BP 672656. Tata, planted in a garden, 120 m, 09.04.1981, BP 672655.

Prunus davidiana (Corr.) Franh. – HUNGARY: Nyergesújfalu, planted in a garden, 01.05.1965, BP 672681.

Prunus domestica L. – HUNGARY: Esztergom, at forest edge, 350 m, 23.04.1967, BP 672658. Gyöngyös, W slope of Mt Sár-hegy (Mátra Mts), between vineyards, 400 m, 18.08.1971, BP 672653. Mogyorósbánya (Gerecse Mts), in shrubby place, cit. Z. Barina, 17.05.1962, BP 672657.

Prunus domestica L. subsp. *insititia* (L.) C. K. Schneid. – HUNGARY: Tata, Fényesdűlő, in shady forest, 100 m, 14.04.1998, BP 672670.

Prunus fruticosa Pall. – HUNGARY: Budapest, Apáti-szikla (Buda Mts), on limestone rocks, 280 m, 14.06.1955, BP 672672. Csolnok, Gete-hegy (Gerecse Mts), at forest edge, 400 m, cit. Z. Barina, 24.06.1979, BP 672673. Esztergom, Kiskúria-hegy (Visegrád Mts), at forest edge, 200 m, 18.05.1980, BP 672674, BP 672675. Esztergom, Kiskúria-hegy (Visegrád Mts), in shrubby place, 200 m, 18.05.1980, BP 672676. Sopron, Balfi-erdő, in oak forest, 200 m, 12.06.1984, BP 672677. – SLOVAKIA: Kistornya (Malá Třňa) (Zemplén Mts), in vineyard, 300 m, 17.05.2001, BP 672679.

Prunus mahaleb L. – HUNGARY: Between Ajka and Padragkút (Bakony Mts), on bauxite spoil-bank, 05.08.1997, BP 672634. Bajót, Öreg-kő (Gerecse Mts), in shrubby and rocky place, 370 m, cit. Z. Barina, 18.04.1977, BP 672626. Bajót, SW slope of Mt Öreg-kő (Gerecse Mts), in scrub-forest, 370 m, cit. Z. Barina, 18.04.1977, BP 672627. Bajót, SW slope of Mt Öreg-kő (Gerecse Mts), 300 m, cit. Z. Barina, 09.05.1962, BP 672629. Esztergom, 14.06.1955, BP 672631. Esztergom, Kiskúria-hegy (Visegrád Mts), at forest edge, 200 m, 18.05.1980, BP 672625. Esztergom, Vaskapu (Visegrád Mts), between vineyards, 300 m, 23.04.1967, BP 672628. Szárliget, SW slope of Mt Zuppa-tető (Gerecse Mts), in shrubby forest, 385 m, cit. Z. Barina, 15.04.1991, BP 672632. Tardos, Gyenyiszka (Gerecse Mts), at

forest edge, 300 m, 06.05.1984, BP 672624. Tata, Remeteség, in humid forest, 150 m, 09.07.1983, BP 672611. Tata, Tó-farok, in planted pine forest, 80 m, 10.05.1991, BP 672633. Tihany, Kis-erdő (Balaton Uplands), in shrubby place, 250 m, 01.05.1956, BP 672630.

Prunus padus L. – HUNGARY: Debrecen, Nagyerdő, in sandy forest, 90 m, 25.04.1954, BP 672607. Füzéradvány, Kis-hegy (Zemplén Mts), in humid forest, 250 m, 15.05.1987, BP 672614. Komárom, Monostori-sziget, in humid forest, 110 m, 12.04.1991, BP 672617. Környe, Környei-tó, in moist forest, 140 m, 10.07.2001, BP 672621. Nyergesújfalu, Rábl-patak (Gerecse Mts), 160 m, cit. Z. Barina, 25.04.1967, BP 672608, BP 672609. Nyergesújfalu, Rábl-patak (Gerecse Mts), in shrubby place, 150 m, cit. Z. Barina, 08.05.1980, BP 672610. Petőmihályfa, Sárvíz, at the edge of humid forest, 200 m, 20.04.2001, BP 672619, BP 672620. Püski, “Salamonerdő”, in shady forest, 80 m, 20.04.1991, BP 672616. Tata, Fényes-dűlő (Little Hungarian Plain), in humid forest, 100 m, 14.04.1998, BP 672618. Tata, Lányi villa (Katona József street 16), planted in the garden, 100 m, 02.05.1985, BP 672612, BP 672613. Tata, Tófarok, in humid forest, 80 m, 10.05.1991, BP 672615.

Prunus persica (L.) Batsch – HUNGARY: Nyergesújfalu (Gerecse Mts), on sandy hill, 160 m, cit. Z. Barina, 16.04.1967, BP 672654.

Prunus serotina Ehrh. – HUNGARY: Hajdúhadháza, “Monostori-erdő”, in shady forest, 90 m, 21.08.1987, BP 672622. Súr, Varjas-erdő, at the edge of oak forest, 200 m, 14.07.1988, BP 672623.

Prunus spinosa L. – HUNGARY: Császár, in the valley of river Által-ér, in humid, shrubby place, 200 m, 02.08.2000, BP 672650. Doboz, Dobozi-erdő, at forest edge, 100 m, 20.08.1982, BP 672642. Hajdúhadháza, “Monostori-erdő”, in shady forest, 80 m, 20.08.1987, BP 672648. Kocs, “P. völgy” (Bársonyos Hills), 200 m, 01.09.1999, BP 672649. Komárom, Monostori-sziget, at the edge of humid forest, 100 m, 12.04.1991, BP 672644. Neszmély, Meleges-hegy (Gerecse Mts), in shrubby place, 250 m, cit. Z. Barina, 25.10.1978, BP 672647. Nyergesújfalu, Kecske-kő (Gerecse Mts), in shrubby place, 300 m, cit. Z. Barina, 15.08.1969, BP 672645. Réde, at forest edge, 100 m, 23.06.1987, BP 672652. Tatabánya, Bánhida (Bársonyos Hills), Fürdő street, by the roadside, 140 m, 29.08.2001, BP 672651. Tokod, Hegyes-kő (Gerecse Mts), in shrubby place, 250 m, cit. Z. Barina, 26.08.1986, BP 672643. Vámosatya, in shrub belt, 100 m, 26.09.1981, BP 672641. Vértessomló, at the foot of Mt Nagy-Somlyó (Vértes Mts), in shrubby place, 200 m, 28.07.1981, BP 672646. Vértessomló, Nagy-Somlyó (Vértes Mts), in dry grassland, 340 m, 28.07.1981, BP 672640.

Prunus syriaca Borkh. emend. Kárp. (= *P. cerasifera* × *domestica*) – HUNGARY: Dunaalmás, planted in garden, 02.08.1981, BP 672659.

Prunus tenella Batsch – HUNGARY: Esztergom, Bari-hegy (Visegrád Mts), in shrubby place, 350 m, 18.05.1980, BP 672636, BP 672637, BP 672638. Gyöngyös, Sár-hegy (Mátra Mts), 600 m, 19.08.1971, BP 672635. Kocs, “Öreg-hegy”, in shrubby place, 150 m, 17.09.1991, BP 672639.

Prunus triloba Lindl. – HUNGARY: Nyergesújfalu, planted in a garden, 09.05.1965, BP 672606.

Pyracantha coccinea M. J. Roemer – HUNGARY: Dunaalmás, Izsán-völgy, cultivated in garden, 03.10.1982, BP 672176.

Pyrus communis L. – HUNGARY: Tatabánya, Kálvária-hegy (Gerecse Mts), in vineyards, 250 m, cit. Z. Barina, 27.05.1986, BP 672022.

Pyrus pyraeaster Burgsd. – HUNGARY: Aka, at the edge of Black locust (*Robinia pseudacacia*) plantation, 150 m, 11.07.1987, BP 672040. Between villages Nyergesújfalu and Bajót (Gerecse Mts), in shrubby place, 150 m, cit. Z. Barina, 26.04.1966, BP 672028. Bokod (Bársonyos Hills), 23.08.2001, BP 672031. Császár, Kopasz-hegy (Bársonyos Hills), at forest edge, 200 m, 15.08.2000, BP 672039. Dunaalmás, Füzi-hegy (Gerecse Mts), 200 m, cit. Z. Barina, 07.09.1986, BP 672026. Dunaalmás, at forest edge, 250 m, cit. Z. Barina, 02.08.1981, BP 672025. Kocs, Badacsony (Bársonyos Hills), in shrubby place, 200 m, 07.09.1984, BP 672046. Lábatlan (Gerecse Mts), at forest edge, 200 m, cit. Z. Barina, 24.08.1965, BP 672029. Lipót, “Macska-sziget”, in humid forest, 100 m, 20.04.1991, BP 672036. Nagykovácsi, Juliannamajor (Buda Mts), in oak forest, 220 m, 24.05.1986, BP 672045. Neszmély, N slope of Mt Korpás-hegy (Gerecse Mts), in shrubby place, 200 m, cit. Z. Barina, 12.05.1997, BP 672023. Nyergesújfalu (Gerecse Mts), in shrubby place, 150 m, cit. Z. Barina, 17.04.1967, BP 672027. Nyergesújfalu, in shrubby place, 150 m, cit. Z. Barina, 17.04.1967, BP 672030. Nyíradony, Gúti-erdő, in shady forest, 90 m, 28.08.1995, BP 672044. Öskü, Péti-hegy (Bakony Mts), in oak forest, 170 m, 22.08.1991, BP 672041. Szák, Kis-Szilvás (Bársonyos Hills), in shrubby place, 240 m, 19.04.2000, BP 672043. Szár, Zuppa (Gerecse Mts), in oak forest, 350 m, cit. Z. Barina, 23.09.1982, BP 672024. Tákos, in pasture, 100 m, 26.09.1981, BP 672035. Tatabánya, Bánhida (Bársonyos Hills), in dry grassland, 150 m, 29.08.2001, BP 672021. Tatabánya, Bánhida (Bársonyos Hills), by the roadside, 140 m, 29.08.2001, BP 672038. Tatabánya, Bánhida (Bársonyos Hills), Fürdő street, by the roadside, 140 m, 29.08.2001, BP 672042.

Rosa caesia Sm. – HUNGARY: Olaszliszka, Cigány-hegy (Zemplén Mts), in shrubby place, 300 m, 18.05.2001, BP 672599.

Rosa canina L. – SLOVAKIA: Kistornya (Malá Tŕňa) (Zemplén Mts), in vineyard, 300 m, 17.05.2001, BP 672597.

Rosa canina L. var. *canina* – HUNGARY: Olaszliszka, Cigány-hegy (Zemplén Mts), in shrubby place, 300 m, 18.05.2001, BP 672599. Tata, in shrubby place, 100 m, 22.05.1998, BP 672600.

Rosa canina L. var. *dumalis* Baker non Bechst. – HUNGARY: Bokod, Öreg-erdő (Bársonyos Hills), at forest edge, 230 m, 24.05.2000, BP 672596. Petőmihályfa, Sárvíz, at the edge of humid forest, 150 m, 25.05.2001, BP 672598.

Rosa canina L. var. *squarrosa* (Rau) Ser. – HUNGARY: Tata, in shady forest, 100 m, 22.05.1998, BP 672603.

Rosa corymbifera Borkh. – HUNGARY: Olaszliszka, Cigány-hegy (Zemplén Mts), in shrubby place, 300 m, 18.05.2001, BP 672599.

Rosa pendulina L. var. *lagunaria* Vill. – ROMANIA: Munții Gurghiu, 1300 m, 03.07.1999, BP 672604.

Rosa rubiginosa L. var. *echinocarpa* Rip. – HUNGARY: Dunaalmás, Újtelep (Gerecse Mts), between houses, 150 m, cit. Z. Barina, 05.11.2000, BP 672595.

Rosa rubiginosa L. var. *umbellata* Leers – HUNGARY: Nyergesújfalu, Sánc-hegy (Gerecse Mts), in dry grassland, 150 m, cit. Z. Barina, 27.05.2000, BP 672594.

Rosa sp. (surely not *multiflora*!) – HUNGARY: Nagyvárad (Oradea), “Püspök-fürdő”, 18.08.1998, BP 672601.

Rubus caesius L. – HUNGARY: Bajót, Öreg-kő (Gerecse Mts), in oak forest, 280 m, cit. Z. Barina, 31.08.1969, BP 672187. Between villages Iborfia and Lickóvados, at the edge of moist forest, 200 m, 07.06.1997, BP 672192. Lenti, W slope of Mumor, at the edge of humid forest, 150 m, 03.06.1997, BP 672195. Olaszliszka, Cigány-hegy (Zemplén Mts), in shrubby place, 300 m, 18.05.2001, BP 672194. Süttő, in Black locust (*Robinia pseud-acacia*) plantation by the river Danube, 120 m, 02.08.1975, BP 672185, BP 672199.

Rubus caesius L. var. *arvalis* Rchb. – HUNGARY: Mocsá, Tömörpuszta, in dry grassland, 150 m, 04.07.1981, BP 672189. Orfű (Abaliget), N slope of Mt Bodó-hegy, Pétőcz-akna (Mecsek Mts), at forest edge, 400 m, 09.07.1996, BP 672197. Tatabánya, Kálvária-hegy (Gerecse Mts), at forest edge, 250 m, 27.05.1986, BP 672183. Tatabánya, Kálvária-hegy (Gerecse Mts), at the edge of shrubby forest, 250 m, 27.05.1986, BP 672182. Tatabánya, Kálvária-hegy (Gerecse Mts), in shrubby place, 300 m, 27.05.1986, BP 672184.

Rubus caesius L. var. *caesius* – HUNGARY: Csolnok, Magos-hegy (Gerecse Mts), in oak forest, 250 m, cit. Z. Barina, 19.09.1987, BP 672181. Dunaalmás, “Kis-sziget”, in humid forest, 100 m, 07.07.1991, BP 672190. Környe, Öregszőlő-hegy (Bársonyos Hills), at the edge of a forest, 180 m, 09.06.1999, BP 672193. Lébény, in humid forest, 100 m, 28.06.1991, BP 672198. Neszmély, at the side of river Danube, 100 m, 01.09.1985, BP 672188. Nyergesújfalu, Józsefpuszta (Gerecse Mts), in dry grassland, 150 m, cit. Z. Barina, 18.06.1983, BP 672186. Vác, at river Danube, in humid forest, 07.06.1986, BP 672191.

Rubus hirtus Waldst. et Kit. – HUNGARY: Galambok, Csapi, 200 m, 22.07.1987, BP 672316. – ROMANIA: Hargitafürdő (Harghita-Bái) (Harghita Mts, Județul Harghita), at the edge of spruce forest, 1500 m, 17.08.1981, BP 672321. Hargitafürdő (Harghita-Bái) (Harghita Mts, Județul Harghita), at the edge of spruce forest, 17.08.1981, BP 672322.

Rubus idaeus L. – HUNGARY: Gyöngyössolymos, Görgő-bükk (Mátra Mts), in oak forest, 500 m, 12.07.1991, BP 672180. – ROMANIA: Tusnádfürdő (Băile Tușnad), Szent Anna-tó (Lacul Sfânta Ana), Nagy-Csomád (Ciomatul Mare) (Bodoki-hegység, Munții Bodoc), in montane meadow, 1280 m, 14.08.1981, BP 672329.

Sanguisorba minor Scop. – CROATIA: Pula (Istria), in ruderal place, 16.05.1995, BP 672593. – HUNGARY: Bajót, in north-faced grassland (Gerecse Mts), cit. Z. Barina, 12.05.1962, BP 672588. Dunaalmás, in grassland, 150 m, cit. Z. Barina, 09.05.1981, BP 672591. Dunaalmás, in sandy grassland, 150 m, cit. Z. Barina, 08.05.1981, BP 672590. Kocs, “Vár-hegy”, in dry grassland, 150 m, 07.06.1985, BP 672592. Pécsvárad, Dombay-tó (Mecsek Mts), in dry grassland, 150 m, 12.06.1979, BP 672589. Regéc (Zemplén Mts), in ruderal place, 10.06.1955, BP 672587.

Sanguisorba officinalis L. – HUNGARY: Bársonyos (Bársonyos Hills), in meadow, 100 m, 02.07.1988, BP 672585. Bokod, river Által-ér, in meadow, 170 m, 09.08.2001, BP 672586. Debrecen, Haláp, in meadow, 19.09.1953, BP 672579. Naszály, Almápuszta (Little Hungarian Plain), in meadow, 100 m, 12.08.1982, BP 672583, BP 672584. Regéc, Hosszú-kő (Zemplén Mts), in montane grassland, 750 m, 24.09.1955, BP 672580, BP 672581. Tabdi, in meadow, 80 m, 19.06.1958, BP 672582.

Sorbaria sorbifolia (L.) A. Braun – HUNGARY: Tata, on rock wall, 150 m, 06.09.1982, BP 671988. Tata, planted in a garden, 150 m, 24.09.1982, BP 671987.

Sorbus aria (L.) Crantz – HUNGARY: Nagyvisnyó, Ablakos-kő-völgy (Bükk Mts), in rocky forest, 450 m, 13.05.1977, BP 672129, BP 672130.

Sorbus arranensis Hedl. – POLAND: Gdańsk, on sand dunes, 27.07.1967, BP 672079, BP 672080.

Sorbus aucuparia L. – HUNGARY: Gyöngyös, Kékes (Mátra Mts), in beech forest, 700 m, 07.08.1971, BP 672078. Háromhuta, Középhuta (Zemplén Mts), in planted spruce forest, 400 m, 08.06.1955, BP 672074. – POLAND: Gdańsk, in pine forest, 25.07.1967, BP 672076, BP 672077. – SLOVAKIA: Tátralomnic (Tatranská Lomnica) (Mts Vysoké Tatry), in shrubby place, 2200 m, 26.07.1956, BP 672075.

Sorbus borbasii Jáv. – HUNGARY: Tata, planted in a garden, 120 m, 20.09.1982, BP 672109.

Sorbus cuspidata Hedl. – HUNGARY: Sopronhorpács, cultivated, 22.09.1997, BP 672136.

Sorbus danubialis (Jáv.) Kárpáti – HUNGARY: Budapest, Hármashatár-hegy (Buda Mts), on limestone bedrock, 280 m, 14.08.1955, BP 672111. Budapest, Hármashatár-hegy (Buda Mts), on sandstone bedrock, 300 m, 24.06.1983, BP 672123. Gánt, Meleges, Gém-tisztás (Vértes Mts), in oak forest, 200 m, 23.05.1992, BP 672134. Szár, Fánivölgy (Vértes Mts), in rocky forest, 300 m, 09.05.1965, BP 672124. Szár, Zuppa (Gerecse Mts), in rocky forest, 300 m, 03.05.1983, BP 672120, BP 672121. Tapolca, Szent György-hegy (Balaton Uplands), in forest, 400 m, 10.07.1957, BP 672113, BP 672114.

Sorbus graeca (Spach) Kotschy – HUNGARY: Bicske (Óbarok), SW slope of Mt Lóingató (Gerecse Mts), in oak forest, 250 m, 09.06.1982, BP 672122. Budapest, E slope of Mt Ördög-orom, 350 m, 03.09.1957, BP 672110, BP 672112. Nagyvisnyó, Ablakos-kövölgy (Bükk Mts), in rocky forest, 400 m, 13.05.1977, BP 672131. Szár, "Százhegy", in rocky forest, 300 m, cit. Z. Barina, 05.05.1983, BP 672126. Szár, Zuppa (Gerecse Mts), in rocky forest, 300 m, 05.05.1983, BP 672125.

Sorbus intermedia (Ehrh.) Pers. – NETHERLANDS: Utrecht, Den Hommel, planted in park, 3 m, 04.07.1996, BP 672135.

Sorbus pseudodanubialis Kárpáti – HUNGARY: Bicske (Óbarok), SW slope of Mt Lóingató (Gerecse Mts), in oak forest, 300 m, cit. Z. Barina, 12.05.1986, BP 672119, BP 672128.

Sorbus semiincisa Borbás – HUNGARY: Nagykovácsi: Juliannamajor (Buda Mts), in oak forest, 200 m, 24.05.1986, BP 672117, BP 672118. Pilisszántó, Pilis (Pilis Mts), in oak forest, 400 m, 07.06.1986, BP 672115. Pilisszántó: Pilis (Pilis Mts), in rocky forest, 650 m, 16.06.1955, BP 672116.

Sorbus sooi (Máthé) Kárpáti – HUNGARY: Parád, Disznó-kő (Mátra Mts), in rocky forest, 900 m, 12.07.1991, BP 672133.

Sorbus torminalis (L.) Cr. – HUNGARY: Bajna, W slope of Mt Őr-hegy (Gerecse Mts), in forest, cit. Z. Barina, 30.08.1966, BP 672086, BP 672090. Budapest, Hármashatár-hegy (Buda Mts), on sandstone bedrock, 300 m, 20.06.1955, BP 672103, BP 672104. Budapest, Hármashatár-hegy (Buda Mts), on sandstone bedrock, 21.06.1955, BP 672091. Csákvár, near the top of Róka-hegy (Vértes Mts), in oak forest, 24.09.1978, BP 672097. Csákvár, Róka-hegy (Vértes Mts), in forest, 350 m, 24.09.1978, BP 672098. Császár, Gazdák erdeje (Bársonyos Hills), in oak forest, 200 m, 11.09.1999, BP 672105. Dömös, Vadállókövek (Visegrád Mts), in shrubby forest, 500 m, 26.05.1991, BP 672106. Hercegkút (Zemplén Mts), in montane forest, 350 m, 08.06.1955, BP 672102. Héreg, Fehér-kő (Gerecse Mts),

in oak forest, 400 m, cit. Z. Barina, 10.05.1984, BP 672087, BP 672088. Miskolc, Nagy-galya (Bükk Mts), at the edge of oak forest, 400 m, 28.05.1980, BP 672093. Nagykovácsi, Julianna-major (Buda Mts), in oak forest, 200 m, 24.05.1986, BP 672107. Ságvár, "Berkevári-erdő", in oak forest, 300 m, 02.09.1979, BP 672099, BP 672100. Sopron, Szár-halmi-erdő, in oak forest, 250 m, 16.05.1977, BP 672094, BP 672095, BP 672096. Szár, Fáni-völgy (Vértes Mts), in rocky forest, 09.05.1965, BP 672085. Szárliget, Zuppa (Gerecse Mts), in oak forest, 200 m, 23.09.1982, BP 672082, BP 672089. Szárliget, Zuppa (Gerecse Mts), in shrubby forest, 300 m, 23.09.1982, BP 672081. Tokodaltáró, at the foot of Mt Gete (Gerecse Mts), in oak forest, 250 m, cit. Z. Barina, 13.05.1979, BP 672084. Tokodaltáró, SW slope of Mt Gete (Gerecse Mts), in oak forest, 350 m, 30.09.1978, BP 672083. Vértessomló, N slope of Mt Nagy-Somlyó (Vértes Mts), in rocky forest, 300 m, 19.05.1981, BP 672008, BP 672092. Visegrád, E slope of Mt Vár-hegy (Visegrád Mts), in forest, 250 m, 20.06.1955, BP 672101.

Sorbus sp. (not identifiable specimen) – HUNGARY: Bicske (Óbarok), Lóingató (Gerecse Mts), in oak forest, 100 m, cit. Z. Barina, 24.09.1985, BP 672127. Csákvár, Róka-hegy (Vértes Mts), in forest, 350 m, 24.09.1978, BP 672132.

Spiraea × *vanhouttei* (Briot) Zabel – HUNGARY: Nyergesújfalu, planted in a garden, 20.05.1965, BP 671984.

Spiraea chamaedrifolia L. 1753 (= *S. ulmifolia* Scop. 1772) – ROMANIA: Gyergyószentmiklós (Gheorgheni), Nagybagymás (Hășmașul Mare), Békás-szoros (Cheile Bicazului) (Munții Giurgeu), in rocky forest, 1200 m, 02.07.1991, BP 671983.

Spiraea media Schmidt – HUNGARY: Dömös, Vadálló-kövek (Visegrád Mts), on andesite rocks, 450 m, 26.05.1991, BP 671986. Dömös: Vadálló-kövek (Visegrád Mts), on andesite rocks, 700 m, 27.06.1969, BP 671985.

Spiraea salicifolia L. – HUNGARY: Nyergesújfalu, planted in a garden, 150 m, 12.07.1982, BP 671977, BP 671978.

Spiraea ulmifolia Scop. – ROMANIA: Gyergyószentmiklós (Gheorgheni), Kis-békás szoros (Cheile Bicazului) (Munții Giurgeu), along the brooklet, 1200 m, 16.08.1981, BP 671979, BP 671980, BP 671981. Torda (Turda), Tordai-hasadék (Cheile Turzii) (Gyalui-havasok, Munții Gilaului), in shrubby place, 400 m, 01.08.1994, BP 671982.

Waldsteinia geoides Willd. – HUNGARY: Felsőtárkány, Pes-kő (Bükk Mts), in rocky forest, 700 m, 26.05.1956, BP 672521. Miskolc, Szent István lápa (Bükk Mts), in beech forest, 350 m, 28.05.1980, BP 672522. Pécs, Tubes (Mecsek Mts), in shrubby place, 600 m, 24.04.1956, BP 672520.

DISCUSSION

Following revisions the records of altogether 550 specimens of Rosaceae are discussed here. As in the case of most other plant groups (BARINA 2007, PIFKÓ 2008) and the biography by DANCZA (2007), the most frequent collecting sites of Endre Jeney are the Gerecse and Vértes Mts, Bársonyos Hills, and the Little Hungarian Plain.

The most surprising record is the occurrence of *Agrimonia procera* in Bársonyos Hills.

The records of *Crataegus* × *deltocyacantha* in Bársonyos Hills and Bükk Mts are also of great interest, since this taxon was not known to occur in the flora of the Bükk Mts.

The collection serves as a useful contribution to the better knowledge of the distribution of the alien invasive *Prunus serotina*. The records of many rarely planted exotic plants also help to get a better picture of cultivated flora throughout the Carpathian Basin.

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(Received 20 March, 2010)