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THE HERBARIUM OF ENDRE JENEY (1934–2004) I. PTERIDOPHYTA

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Acquired in 2006, the herbarium of Endre Jeney, with approximately 18,000 specimens, is deposited today in the Department of Botany of the Hungarian Natural History Museum (BP). Generally, this collection contains plant specimens from European countries, but mostly from present-day Hungary and Transylvania. Incorporation of this herbarium is ongoing, and most specimens have already been accessioned. The present paper contains records of the whole Pteridophyta material (320 specimens), with notes in the case of specimens of regional importance and when quoting the collector's note seemed important, for instance in the case of *Marsilea quadrifolia* and *Salvinia natans* from the Little Hungarian Plain (Kisalföld), or the record of *Thelypteris palustris* from near Sopron.

Key words: Jeney, herbarium, Pteridophyta

INTRODUCTION

The herbarium of Endre Jeney, consisting of about 18,000 specimens, was acquired by the Hungarian Natural History Museum in 2006 and the incorporation of that into the herbarium of the Botanical Department (BP) is nearing completion. The specimens were collected between 1955 and 2004, in a period of time when general collecting was not a priority in the country. He travelled all over the country but his collections were mainly made in the surroundings of Debrecen, in the Zemplén, Bükk, Mátra, and Gerecse Mts, the Little Hungarian Plain (Kisalföld), Bársonyos Hills and Bakonyalja, and the surroundings of Sopron and Kőszeg. Besides these, collections were made in certain areas of historical Hungary (*e.g.* Transylvania, parts of Slovakia) as well as in Croatia, Poland, Italy, Germany, and others. Some species were collected for him by friends, and cultivated plants are also represented in his collection. The sheets are precisely labelled in Hungarian or Latin, or both, mainly with handwriting. Besides the location, in most cases, the elevation, notes on the habitat, and additional notes appear;

sometimes even photos accompany the specimen. Mainly in his earlier collections, presumably due to the lack of adequate maps, and as it was routinely practiced by other collectors also in the 1950s and 1960s, the collection locality was not more than a note with the name (or vicinity) of the nearest settlement.

Endre Jeney only published a small fragment of his floristical results (BARINA 2006, DANCZA 2007), thus these remained practically unknown both in Hungary and abroad. With the present article we intend to launch a series of reports which, as the elaboration of the collection proceeds, will make data of the Jeney collection easily accessible to interested professionals.

MATERIAL AND METHODS

The revision of the Pteridophyta part of the Jeney herbarium, and processing of the data documented on the labels were carried out in December 2006 and January 2007. The present report contains data displayed on the labels in abbreviated forms, without loss of any essential information. The general location of the collecting is followed by additional geographical name(s) and information on the habitat (*e.g.* "in spruce forest"). The Hungarian toponyms are listed according to the present spelling, and these are indicated as they are classified in the present Hungarian administrative borders. Geographical names not present in recent tourist maps, or on maps of the Unified National Mapping System (EOTR), scale 1:10,000, and which do not occur in the work of FÖLDI (1981), are indicated between quotation marks. The notes by the author of this report, following the specimen data, are in square brackets. The geographical name, and that of the area or region (*e.g.* mountains, county), which facilitate the orientation of the reader are in brackets, followed by the elevation as noted on the label, the date of collecting, and the collector's name (only if other than Endre Jeney). In some cases we quote the annotations the collector made on the label since this might give important information for any subsequent study. Finally, the inventory number of the Pteridophyta collection of the Department of Botany of the Hungarian Natural History Museum (BP) is recorded; if the sheet has duplicate(s) that remain part of the collection at BP, these also appear with their inventory numbers. The nomenclature of the species follows TUTIN *et al.* (1993).

ENUMERATION

Lycopsida

Diphasium complanatum (L.) Rothm.

Hungary; Háromhuta: Borzás-oldal (Zemplén Mts), 350 m, 12.06.1955, 52627.
Hungary; Regéc: Hosszú-kő (Zemplén Mts), 650 m, 10.04.1986, 52626.

Huperzia selago (L.) Bernh. ex Schrank et Mart.

Hungary; Kishuta: Lackó-hegy (Zemplén Mts), 300 m, 29.09.1955, 52619.
Romania (Transylvania); Balánbánya (Balan): western slope of Mt Egyes-kő (Gyergyói-havasok, Muntii Giurgeului), 1,200 m, 04.08.1994, 52621.
Romania (Transylvania); Madéfalva (Siculeni): Koporsó-tető (Hargita Mts, Muntii Harghita), 1,700 m, 03.08.1956, 52620, 52623.
Romania (Transylvania); rest-house Podragu (Fogarasi-havasok, Muntii Fagarasului), 2,200 m, 15.08.1962, 52622.
Romania (Transylvania); Streza-Kercisora: northern slope of Mt Negoi, near lake Bilea (Fogarasi-havasok, Muntii Fagarasului), 2,200 m, 10.08.1993, 52624, 52625.

Lycopodium annotinum L.

Hungary; Háromhuta: Jaj-hegy (Zemplén Mts), 400 m, leg.: Kiss, S., Jeney, E. 10.04.1986, 52412, 52413.
Hungary; Kishuta: "Lurkó-hegy" [= Lackó-hegy?] (Zemplén Mts), 29.09.1955, 52414.
Poland; Bialowieza forest (Bialystok Region), 80 m, 30.07.1963, 52406.
Poland; Olsztyn: Kortowo, in pine forest (Olsztyn Region), 90 m, 19.08.1972, 52407.
Romania (Transylvania); between Mts Bucsin-tető and Tatár-kő, in spruce forest (Görgényi-havasok, Muntii Gurghiului), 1,300 m, 03.07.1999, 52408.
Romania (Transylvania); Csíkcsicsó (Ciceu): Mt Hargita, in spruce forest (Hargita Mts, Muntii Harghita), 1,400 m, 02.08.1956, 52409, 52410.
Romania (Transylvania); Victoria: Árpás-patak (Fogarasi-havasok, Muntii Fagarasului), 1,400 m, 12.08.1962, 52411.

Lycopodium clavatum L.

Hungary; Kishuta: Lackó-hegy (Zemplén Mts), 350 m and 500 m, 28.09.1955 and 29.09.1955, 52628, 52632, 52633.
Hungary; Németbánya, in beech forest (Bakony Mts), 250 m, 06.07.1995, 52604.

Poland; in pine forest near Gdansk (Region Gdansk), 03.08.1963, 52636.
Romania (Transylvania); between Mts Bucsin-tető and Tatár-kő, in spruce forest (Görgényi-havasok, Muntii Gurghiului), 1,300 m, 03.07.1999, 52603, 52630.
Romania (Transylvania); Madéfalva (Siculeni): Koporsó-kő (Hargita Mts, Muntii Harghita), 1,700 m, 03.08.1956, 52629, 52631.
Romania (Transylvania); Streza-Kercisora: northern slope of Mt Negoi, Cabana Cascada (Fogarasi-havasok, Muntii Fagarasului), 1,600 m, 10.08.1993, 52634, 52635.

The collection at Németbánya was identified as *Lycopodium annotium* L. by Jeney, which was reported in two of his presentations ("*Lycopodiums* in the Bakony Mts." Actual floristical and vegetation research in the Carpathian Basin V., Pécs, 8–10 March 2002, and "*Lycopodium* from the environs of Németbánya (Bakony Mts)." Hungarian Botanical Society lectures, no. 1360, 10 April 2000; see DANCZA 2007). The specimen turned out to be *L. clavatum* L., as a result of the revision, consequently the report of *L. annotinum* from Németbánya is erroneous.

Sphenopsida

Equisetum arvense L.

Hungary; Aka, in alder forest (Bakony Mts), 150 m, 10.08.1988, 52588.
Hungary; Annavölgy, along brook (Gerecse Mts), cit. in BARINA (2006: 123), 08.06.1962, 52401.
Hungary; Annavölgy, in meadow (Gerecse Mts), 150 m, 26.08.1986, 52594.
Hungary; Bakonyszombathely: Concó, in alder forest (Bakony Mts), 150 m, 29.05.1988, 52395.
Hungary; Debrecen, in sandy meadow (Nyírség), 07.04.1953, 52400.
Hungary; Debrecen: Nagyerdő, in oak forest (Nyírség), 90 m, 27.07.1990, 52391.
Hungary; Hánta: Saliházi-árok, in alder forest (Bakony Mts), 200 m, 12.06.1987, 52396.
Hungary; Hódmezővásárhely: Ányássziget (Tiszántúl), 90 m, 09.08.1991, 52390.
Hungary; Kám: Herpenyő, in alder forest (Vasi-hegyhát), 100 m, 10.06.1981, 52592.
Hungary; Környe: Környei-tó (Bársonyos Hills), 150 m, 10.07.2001, 52387, 52388.
Hungary; Mátraszentimre, along brook (Mátra Mts), 700 m, 19.08.1971, 52398.
Hungary; Miskolc (Ómassa): Csipkéskút (Bükk Mts), 400 m, 07.08.1955, 52393.
Hungary; Mogyoróska: "Mogyorós-tető" (Zemplén Mts), 300 m, 08.06.1955, 52399.
Hungary; Nyírmártonfalva: Güti-erdő (Nyírség), 07.07.1956, 52392, 52394.
Hungary; Parád: Disznó-kő (Mátra Mts), 650 m, 14.08.1955, 52397.
Hungary; Pilisszentkereszt: Vaskapu-völgy (Pilis Mts), 350 m, 19.09.1965, 52587.
Hungary; Sarkad: Fekete-Körös (Tiszántúl), 100 m, 20.08.1982, 52608.
Hungary; Tata: Fényes fürdő (Kisalföld), 100 m, 16.06.1998, 52593.
Hungary; Vérteskethely: Battyáni-ér (Bársonyos Hills), 200 m, 04.07.2000, 52389.
Romania (Transylvania); Csíkcsicsó (Ciceu): Mt Hargita, meadow (Hargita Mts, Muntii Harghita), 1,400 m, 02.08.1956, 52589.

Equisetum fluviatile L.

Hungary; Gyöngyös (Mátrafüred): "Nagy-Sás-tó" [= Sástó] (Mátra Mts), 400 m, 12.07.1991, 52601.
Hungary; Nagyhuta: Kemence-patak, Kőkapu (Zemplén Mts), 250 m, 11.06.1955, 52585.
Hungary; Tatárszentgyörgy: Ordító (Duna-Tisza köze), 90 m, 10.06.1994, 52595.
Romania (Transylvania); Gyergyószentmiklós (Gheorgheni): in lake Gyilkos-tó (Lacu Rosu) (Gyergyói-havasok, Muntii Giurgeului), 1,000 m, 02.07.1999, 52586.

Equisetum hyemale L.

Hungary; Neszmély: Külső-sziget [= Alsó-sziget?] (Kisalföld), 105 m, 18.09.2002, 52365.
Poland; Olsztyn: Kortowo, in pine forest (Olsztyn Region), 100 m, 19.08.1972, 52363, 52364.

Equisetum palustre L.

Hungary; Bakonyszombathely (Feketevízpuszta): Concó, in alder forest (Bakony Mts), 150 m, 29.05.1988, 52600.
Hungary; Bokod: Szigeti-rétek (Bársonyos Hills), 100 m, 19.05.1999, 52369.
Hungary; Császár: along brook Által-ér (Bársonyos Hills), 250 m, 15.06.2001, 52367.
Hungary; Csatka (Bakony Mts), 150 m, 13.06.1987, 52375.
Hungary; Kisbér, in meadow (Bársonyos Hills), 100 m, 09.07.1987, 52376.
Hungary; Kóny, in cereal field (Kisalföld), 100 m, 04.07.1988, 52373, 52374.
Hungary; Mór: Gézamajor (Bársonyos Hills), 200 m, 17.05.2000, 52368.
Hungary; Nyergesújfalu: Duna (Kisalföld), 150 m, 11.05.1967, cit. in BARINA (2006: 123), 52379.
Hungary; Nyergesújfalu: Rábl-patak (Gerecse Mts), 15.05.1962, cit. in BARINA (2006: 123), 52380.
Hungary; Pilisjászfalu, along brook [Kenyérmezői-patak] (Kisalföld), 100 m, 31.05.1980, 52596, 52597.
Hungary; Pusztvám (Bársonyos Hills), 200 m, 17.08.1999, 52370.
Hungary; Pusztavám: Által-ér (Bársonyos Hills), 200 m, 17.08.1999, 52371.
Hungary; Süttő: Felső-Vadács (Gerecse Mts), 250 m, 05.06.1966, cit. in BARINA (2006: 123), 52378.
Hungary; Tabdi, in forest (Duna–Tisza köze), 70 m, 19.06.1958, 52381.
Hungary; Vindornyalak: "Laki-berek" [= Vindornyaszőlős: Berek] (Keszthely Hills), 200 m, 27.07.1987, 52377.
Romania (Transylvania); Bereck (Bretcu): Dobra-hegy (Háromszéki-havasok, Muntii Vrancei and Muntii Buzaului), 900 m, 05.07.1999, 52372.
Romania; Csanálos (Urziceni): Lókert, in meadow (Szatmár county), 120 m, 19.05.2001, 52366.

Equisetum pratense Ehrh.

Italy; Weißkugel (3,739 m) (Ötztaler Alpen), 2,200 m, 30.06.1993, 52606.
Poland; forest near Bialowieza (Bialystok Region), 30.07.1963, 52553.

Equisetum ramosissimum Desf.

Hungary; Bársonyos: Fövenyszőlőhegy, in sandy grassland (Bársonyos Hills), 150 m, 02.07.1988, 52612.
Hungary; Bokod, in sandy grassland (Bársonyos Hills), 170 m, 23.08.2001, 52359.
Hungary; Császár, in sandy grassland (Bársonyos Hills), 100 m, 04.10.1987, 52609.
Hungary; Császár: "Egeresi-rét", in open sandy grassland (Bársonyos Hills), 25.05.1997, 52614.
Hungary; Farmos, in sandy grassland (Duna-Tisza köze), 100 m, 11.07.1975, 52362.
Hungary; Környe: Homoki-dűlő, in corn field (Bársonyos Hills), 200 m, 08.08.1999, 52361.
Hungary; Környe: Öreg-szőlőhegy (Bársonyos Hills), 200 m, 09.06.1999, 52613.
Hungary; Környe: Öreg-szőlőhegy (Bársonyos Hills), 200 m, 03.08.1999, 52360.
Hungary; Páhi, in sandy grassland (Duna-Tisza köze), 20.06.1958, 52611.
Hungary; Tata: Fényesdűlő (Kisalföld), 100 m, 21.07.1998, 52599.
Hungary; Tatabánya: Kaiser's supermarket (Vértes Mts), 09.08.2000, 52598.
Hungary; Tokod: Hegyes-kő (Gerecse Mts), 250 m, cit. in BARINA (2006: 124), 26.08.1986, 52610.

Equisetum sylvaticum L.

Poland; Olsztyn: Kortowo (Olsztyn Region), 19.08.1972, 52404.
Romania (Transylvania); Hargitafürdő (Harghita Bai): eastern slope of Mt Hargita, Kormos brook, in spruce forest (Hargita Mts, Muntii Harghita), 1,200 m, 01.08.1994, 52403.
Romania (Transylvania); Kisbánya: Ökör-völgy (Baisoara) (Gyalui-havasok, Muntii Gilau and Muntele Mare), 1,200 m, 08.08.1965, 52605.
Romania (Transylvania); near Bucsin hostel (1,287 m) (Görgényi-havasok, Muntii Gurghiului), 1,250 m, 03.07.1999, 52402.

Equisetum telmateia Ehrh.

Hungary; in cereal field between Siklós and Harkány (Baranya county), 100 m, 10.07.1985, 52531.
Hungary; Kaposvár: Kapos (Somogy county), 100 m, 19.04.1986, 52382.
Hungary; Komló: Sikonda (Mecsek Mts), 150 m, 21.06.1984, 52383.
Hungary; Kőszeg: "Városi-erdő" (forest) (Kőszeg Mts), 250 m, 08.08.1957, 52590, 52591 (08.07.1957).

Hungary; Magyarszék: Baranya-csatorna (canal) (Baranya county), 200 m, 24.05.1977, 52385.
Hungary; Parád: Ilona-völgy (Mátra Mts), 200 m, 14.08.1955, 52607.
Hungary; Súr: Vörös-ér (Bakony Mts), 200 m, 23.05.1987, 52532, 52584.
Hungary; Süttő: Bikol-patak (Gerecse Mts), 200 m, 05.06.1966, cit. in BARINA (2006: 123), 52386.
Hungary; Zamárdi: Balaton (Külső-Somogy), 28.08.1979, 52384.

Pteropsida

Adiantum capillus-veneris L.

Italy; Venezia: "Ponte dei Greci", 21.04.1990, 52575.

Asplenium adiantum-nigrum L.

Hungary; Dömös: Vadálló-kövek, on andesite rock (Visegrád Mts), 700 m, 26.05.1991, 52471.
Italy; "St. Gerogione" (Sarntaler Alpen Mts [?]), 01.07.1993, 52579, 52580.
Romania (Transylvania); Predelut: Malaiesti valley (Bucsecs, Muntii Bucegi), 1,800 m, 17.08.1956, 52472.

Asplenium ceterach L.

Croatia; Pula: amphitheatre (Istria), 16.05.1995, 52482.
Hungary; Bajót: Öreg-kő, on limestone rock (Gerecse Mts), 300 m, cit. in BARINA (2006: 126), 19.06.1975, 52485.
Hungary; Felsőtárkány: Tar-kő (Bükk Mts), 750 m, 26.05.1956, 52479.
Hungary; Gyulakeszi: Csobánc, on basalt rock (Balaton-felvidék), 300 m, 20.05.1984, 52483.
Hungary; Nagyharsány: Szársomlyó (Villány Mts), 300 m, 08.07.1972, 52481.
Hungary; Nagyharsány: Szársomlyó (Villány Mts), 350 m, 28.01.1977, 52484.
Hungary; Pécs: Tubes (Mecsek Mts), 500 m, 27.04.1956, 52486.
Hungary; Tapolca: Szent György-hegy (Balaton-felvidék), 400 m, leg.: Siroki, Z., 26.08.1955, 52478.
Hungary; Tapolca: Szent György-hegy (Balaton-felvidék), 12.07.1957, 52480.

Asplenium ruta-muraria L.

Hungary; Bicske (Óbarok): Lóingató, on dolomite rock (Gerecse Mts), 200 m, cit. in BARINA (2006: 126), 24.09.1985, 52457.
Hungary; Gyulakeszi: Csobánc, on basalt rock (Balaton-felvidék), 330 m, 20.05.1984, 52463.

Hungary; Héreg: Fehér-kő (Gerecse Mts), 500 m, cit. in BARINA (2006: 125), 27.06.1966, 52459.
Hungary; in village Dunaalmás (Gerecse Mts), 120 m, cit. in BARINA (2006: 126), 06.12.1981, 52458.
Hungary; in village Dunaalmás (Gerecse Mts), 100 m, 27.12.1983, 52467.
Hungary; Pilisszentkereszt: Vaskapu-völgy (Pilis Mts), 500 m, 19.09.1965, 52461.
Hungary; Siklós: castle (Baranya county), 150 m, 10.07.1985, 52464.
Hungary; Sopron: Várkör, 14.06.1997, 52466.
Hungary; Tihany (Balaton-felvidék), 200 m, 29.08.1979, 52462.
Hungary; Veszprém: Séd-völgy (Bakony Mts), 400 m, 29.04.1956, 52460.
Italy; Venezia: "Ponte dei Greci", 2 m, 21.04.1990, 52465.

Asplenium scolopendrium L.

Hungary; Miskolc: Ómassa (Bükk Mts), 400 m, 19.10.1953, 52434.
Hungary; Miskolc (Ómassa): Vadász-völgy (Bükk Mts), 07.07.1955, 52435.
Hungary; Miskolc: Garadna-völgy (Bükk Mts), 400 m, 13.04.1985, 52438.
Hungary; Miskolc: Hámori-völgy (Bükk Mts), 300 m, 13.04.1985, 52436.
Hungary; Miskolc: Jávor-hegy (Bükk Mts), 400 m, 13.04.1985, 52437.

Asplenium septentrionale (L.) Hoffm.

Hungary; Füzér: Vár-hegy (Zemplén Mts), 900 m, 18.10.1953, 52439.
Hungary; Háromhuta: Nagy-hangyás, on andesite rock (Zemplén Mts), 700 m, 28.09.1955, 52440, 52441.

Asplenium trichomanes L.

Hungary; Bicske (Óbarok): Lóingató, on dolomite rock (Gerecse Mts), 200 m, 24.09.1985, 52455.
Hungary; Hajdúsámson: "Csere-erdő" (Nyírség), 80 m, 18.07.1957, 52451.
Hungary; Háromhuta: Nagy-Kőrös-hegy, on andesite rock (Zemplén Mts), 28.09.1955, 52448.
Hungary; Héreg: Fehér-kő (Gerecse Mts), 600 m, 27.06.1966, cit. in BARINA (2006: 126), 52445.
Hungary; in village Dunaalmás (Gerecse Mts), 120 m, 06.12.1981, cit. in BARINA (2006: 126), 52442.
Hungary; Miskolc (Lillafüred): Molnár-szikla (Bükk Mts), 400 m, 18.09.1953, 52450.
Hungary; Miskolc: Nagy-Hetemér [= Hetemér?] (Bükk Mts), 400 m, 13.04.1985, 52454.
Hungary; Nyergesújfalu: Cser-völgy (Gerecse Mts), 250 m, 15.08.1969, cit. in BARINA (2006: 126), 52443.

Hungary; Orfű: "Balázs-hegy" (Mecsek Mts), 300 m, 08.07.1985, 52453.
Hungary; Pilisszentkereszt: Vaskapu-völgy (Pilis Mts), 500 m, 19.09.1965, 52447.
Hungary; Sopron: Várkör, 14.06.1997, 52449.
Hungary; Süttő: Nagy-Teke (Gerecse Mts), 280 m, 15.03.1967, cit. in BARINA (2006: 126), 52444.
Hungary; Tihany: Aranyház (Balaton-felvidék), 200 m, 04.09.1979, 52452.
Hungary; Tokod: Hegyes-kő (Gerecse Mts), 310 m, cit. in BARINA (2006: 126), 26.09.1965, 52446.
Slovakia; Povazská Teplá = Vághéve (part of the town of Povazská Bystrica = Vágbeszterce): "Manin" Gorge (Malá Fatra Mts), 400 m, 01.07.1989, 52456.

Asplenium trichomanes-ramosum L.

Hungary; Miskolc: Nagy-mező (Bükk Mts), 700 m, 13.10.1955, 52559.
Hungary; Nagyvisnyó: Ablakos-kő-völgy (Bükk Mts), 650 m, 04.06.1954, 52556.
Romania (Transylvania); "Virf Buksoi", 1,800 m, 17.08.1956, 52558.
Romania (Transylvania); Bicazu Ardelean (Gyergyóbékás): Nagy-Cohárd (1,507 m), on limestone rock (Gyergyói-havasok, Muntii Giurgeului), 1,000 m, 06.08.1993, 52557.

Athyrium filix-femina (L.) Roth

Hungary; Dömös: Dobogókő, in beech forest (Visegrád Mts), 700 m, 06.08.1979, 52417.
Hungary; Dömös: Szőke-forrás völgye (Visegrád Mts), 300 m, 06.08.1979, 52416.
Hungary; Gelénes, in oak forest (Nyírség), 90 m, 26.09.1981, 52419.
Hungary; Háromhuta: Pengő-kő, on andesite rock (Zemplén Mts), 750 m, 12.06.1955, 52422.
Hungary; Kelemér: Nagy-Mohos-tó (Torna Hills), 200 m, 18.10.1953, 52573.
Hungary; Kesztölc: Vörös út (Pilis Mts), 600 m, 19.09.1965, 52425.
Hungary; Nagyhuta: Borzás-oldal (Zemplén Mts), 400 m, 28.09.1955, 52421.
Hungary; Komló (Sikonda): "Koponya-forrás" (Mecsek Mts), 300 m, 21.06.1984, 52427.
Hungary; Kőszeg: "Városi-erdő" (Kőszeg Mts), 250 m, 12.09.1979, 52560.
Hungary; Mátraszentimre: "Hutahelyi-patak" (Mátra Mts), 700 m, 21.08.1971, 52415.
Hungary; Nyíradony: in oak forest (Nyírség), 90 m, 28.08.1995, 52571.
Hungary; Nyírmártonfalva: Gúti-erdő (Nyírség), 80 m, 07.07.1956, 52423, 52424.
Hungary; Nyírmártonfalva: Gúti-erdő (Nyírség), 90 m, 28.08.1995, 52430.
Hungary; Pécsvárad: Zengő (Mecsek Mts), 500 m, 13.06.1979, 52418.
Hungary; Sopron: Tolvaj-árok (Sopron Hills), 02.08.1969, 52426.
Hungary; Várgesztes: Nagy-Kutya-orom (Vértes Mts), 200 m, 27.05.1983, 52420.
Hungary; Vérteskethely: Durdó (Bársonyos Hills), 210 m, 10.07.2000, 52432.
Hungary; Zalakaros: "Csika-tilasi-erdő" (Zalai-dombvidék), 200 m, 22.07.1987, 52428, 52429.

Romania (Transylvania); between Mts Bucsin-tető and Tatár-kő, in spruce forest (Görgényi-havasok, Muntii Gurghiului), 1,300 m, 03.07.1999, 52581.
Romania (Transylvania); Tekerő brook, at the foot of Mt Feketerez (Gyergyói-havasok, Muntii Giurgeului), 1,200 m, 26.07.1995, 52524.
Romania (Transylvania); Tekerő brook, eastern slope of Mt Feketerez (Gyergyói-havasok, Muntii Giurgeului), 1,300 m, 26.07.1995, 52431, 52572, 52582 (1,200 m).

Azolla filiculoides Lam.

Hungary; Tata: Réti-halastavak (fish pond) (Kisalföld), 100 m, 11.10.1993, 52537.

The first Hungarian report on this species (FEHÉR and SCHMIDT 1998) refers to an occurrence in 1996, preceded by the collection of Endre Jeney with 3 years.

Blechnum spicant (L.) Roth

Romania (Transylvania); Hargitafürdő (Harghita Bai): Hargita-tető, in silva piceta (Hargita Mts, Muntii Harghita), 1,400 m, 01.08.1994, 52487.

Botrychium lunaria (L.) Sw.

Romania (Transylvania); "Mt. Vinf Bucsoi" (Bucsecs, Muntii Bucegi), 2,000 m, 11.08.1956, 52514.

Cystopteris fragilis (L.) Bernh.

Hungary; Baj: Lábas-hegy, on limestone rock (Gerecse Mts), 300 m, 27.07.1997, cit. in BARINA (2006: 127), 52357.
Hungary; Dömös: Dobogókő, in beech forest (Visegrád Mts), 400 m, 06.08.1974, 52344.
Hungary; Gyöngyös (Mátrafüred): "Hótartó-völgy", on andesite rock (Mátra Mts), 600 m, 18.09.1955, 52351.
Hungary; Gyöngyös (Mátrafüred): "Hótartó-völgy", on andesite rock (Mátra Mts), 700 m, 09.09.1955, 52347.
Hungary; in village Kocs (Bársonyos Hills), 100 m, 16.06.1997, 52336.
Hungary; Kőszeg: Irány-hegy (Kőszeg Mts), 650 m, 29.07.1957, 52348.
Hungary; Kőszeg: "Városi-erdő" (Kőszeg Mts), 08.07.1957, 52349.
Hungary; Lábatlan: Bersek-hegy (Gerecse Mts), 300 m, 15.05.1962, cit. in BARINA (2006: 127), 52353.
Hungary; Lábatlan: Pisznice (Gerecse Mts), 450 m, 25.06.1969, cit. in BARINA (2006: 127), 52354.

Hungary; Monostorapáti: Boncsos-tető (Balaton-felvidék), 400 m, 20.09.1991, 52337.
Hungary; Nagyharsány: Szársomlyó (Villány Mts), 400 m, 05.07.1985, 52341.
Hungary; Nagyvisnyó, in forest (Bükk Mts), 18.06.1954, 52352.
Hungary; Parád: Sas-kő (Mátra Mts), 900 m, 13.07.1991, 52338.
Hungary; Réde (Bakony Mts), 200 m, 23.06.1987, 52340.
Hungary; Regéc: Hosszú-kő (Zemplén Mts), 750 m, 11.06.1955, 52583.
Hungary; Szilvásvárad: Istállós-kő (Bükk Mts), 600 m, 24.07.1955, 52350.
Hungary; Tardos: Gorba (Gerecse Mts), 400 m, 07.06.1984, cit. in BARINA (2006: 127), 52355, 52356.
Hungary; Várgesztes: Nagy-Kutya-orom (Vértes Mts), 200 m, 27.05.1983, 52342.
Hungary; Vértessomló: Nagy-Somlyó (Vértes Mts), 250 m, 19.05.1981, 52343, 52345, 52346.
Slovakia; Povazská Teplá = Vághéve (part of the town of Povazská Bystrica = Vágbeszterce): "Manin" (Malá Fatra Mts), 400 m, 01.07.1989, 52339.

Cystopteris sudetica A. Br. et Milde

Romania (Transylvania); Mt Bucegi, valley "Dihám", 1,800 m, 10.08.1956, 52617 (fragmented, damaged specimen).
Romania (Transylvania); "Bustány" [= Busteni?]: Mt Bucegi (Bucsecs, Muntii Bucegi), 800 m, 27.08.1956, 52574.

Dryopteris carthusiana (Vill.) H. P. Fuchs

Hungary; Csipkerek, in oak forest (Vasi-hegyhát), 250 m, 10.06.1981, 52547.
Hungary; Debrecen: Nyulas, in planted pine forest (Nyírség), 90 m, 27.07.1990, 52530.
Hungary; Komló: "Szentimre-forrás" (Mecsek Mts), 200 m, 22.06.1984, 52320.
Poland; Olsztyn: Kortowo, in pine forest (Olsztyn Region), 19.08.1972, 52523.
Romania (Transylvania); between Mts Bucsin-tető and Tatár-kő, in spruce forest (Görgényi-havasok, Muntii Gurghiului), 1,300 m, 03.07.1999, 52578.
Romania (Transylvania); Gyergyószentmiklós (Gheorgheni): Gyilkos-tó (Lacu Rosu), in spruce forest (Gyergyói-havasok, Muntii Giurgeului), 1,000 m, 05.08.1994, 52541.
Romania (Transylvania); Hargitafürdő (Harghita Bai): eastern slope of Koporsó-tető, in spruce forest (Hargita Mts, Muntii Harghita), 1,500 m, 17.08.1981, 52577.
Romania (Transylvania); Maroshévíz (Toplita): Facral-tető, in spruce forest (Görgényi-havasok, Muntii Gurghiului), 1,200 m, 23.07.1995, 52522.
Romania (Transylvania); Victoria: Bilea valley (Fogarasi-havasok, Muntii Fagarasului), 1,600 m, 18.08.1962, 52544.
Slovakia; Jarabá: Certovie Gorge, in alder forest along brook Bystrinka (Nizké Tatry), 1,000 m, 26.06.1986, 52536.

Dryopteris dilatata (Hoffm.) A. Gray

Hungary; Kőszeg: Írott-kő (Kőszeg Mts), 850 m, 15.06.1997, 52538.
Hungary; Súr: Vörös-ér (Bakony Mts), 200 m, 23.05.1997, 52516, 52550.
Poland; Bialowieza forest (Bialystok Region), 80 m, 30.07.1963, 52518.
Romania (Transylvania); between Mts Bucsin-tető and Tatár-kő, in spruce forest (Görgényi-havasok, Muntii Gurghiului), 1,300 m, 03.07.1999, 52521.
Romania (Transylvania); Csíkcsicsó (Ciceu): Mt Hargita, in spruce forest (Hargita Mts, Muntii Harghita), 1,600 m, 03.08.1956, 52517.
Romania (Transylvania); Gyergyószentmiklós (Gheorgheni): eastern slope of Mt Gyilkos-kő, in spruce forest (Gyergyói-havasok, Muntii Giurgeului), 1,200 m, 24.07.1995, 52539.
Romania (Transylvania); Hargitafürdő (Harghita Bai): eastern slope of Koporsó-tető, in spruce forest (Hargita Mts, Muntii Harghita), 1,500 m, 17.08.1981, 52519.
Romania (Transylvania); Hargitafürdő (Harghita Bai): Mt Hargita, in spruce forest (Hargita Mts, Muntii Harghita), 1,400 m, 01.08.1994, 52520.

Dryopteris expansa (C. Presl) Fraser-Jenk. et Jermy

Hungary; Lenti: Mumor (Göcsej), 150 m, 03.06.1997, 52615.

Dryopteris filix-mas (L.) Schott

Hungary; Aka: Saliházi-árok, in alder forest (Bakony Mts), 200 m, 08.06.1987, 52330.
Hungary; Bisse: Tenkes, in forest (Villány Mts), 200 m, 31.05.1991, 52328.
Hungary; Bokod: "Öreg-erdő", in oak forest (Bársonyos Hills), 200 m, 19.05.1999, 52326.
Hungary; Debrecen: Nagyerdő, in oak forest (Nyírség), 80 m, 10.07.1955, 52324.
Hungary; Kám: Herpenyő, in alder forest (Vasi-hegyhát), 100 m, 10.06.1981, 52540.
Hungary; Kőszeg: Írott-kő (Kőszeg Mts), 850 m, 15.06.1997, 52318.
Hungary; Mátraszentimre: Mátraszentlászló (Mátra Mts), 750 m, 17.08.1971, 52576.
Hungary; Miskolc: Ómassa (Bükk Mts), 400 m, 18.09.1953, 52327.
Hungary; Monostorapáti: Boncsos-tető (Balaton-felvidék), 400 m, 20.09.1991, 52317.
Hungary; Nyírmártonfalva: Gúti-erdő (Nyírség), 120 m, 06.07.1955, 52325.
Hungary; Nyírmártonfalva: Gúti-erdő (Nyírség), 90 m, 28.08.1995, 52319.
Hungary; Parád: Sas-kő (Mátra Mts), 900 m, 13.07.1991, 52329.
Hungary; Réde (Bakony Mts), 200 m, 23.06.1997, 52331.
Hungary; Sopron: Tolvaj-árok (Sopron Hills), 02.07.1969, 52322.
Hungary; Súr, in beech forest (Bakony Mts), 300 m, 23.05.1987, 52316.
Hungary; Várgesztes: Nagy-Kutya-orom (Vértes Mts), 200 m, 27.05.1983, 52321.
Poland; Bialowieza forest (Bialystok Region), 80 m, 30.07.1963, 52323.

Gymnocarpium dryopteris (L.) Newm.

Hungary; Dömös: Szőke-forrás völgye (Visegrád Mts), 350 m, 06.08.1979, 52528.
Hungary; Nagyhuta: "Borzás-hegy" [= Borzás?] (Zemplén Mts), 400 m, 29.09.1955, 52555.
Hungary; Regéc: Ördög-völgy (Zemplén Mts), 11.06.1955, 52548.
Hungary; Várgesztes: Nagy-Kutya-orom (Vértes Mts), 200 m, 27.05.1983, 52527, 52554.
Poland; Bialowieza forest (Bialystok Region), 31.07.1963, 52526.
Romania (Transylvania); Gyergyószentmiklós (Gheorgheni): eastern slope of Mt Gyilkos-kő, in spruce forest (Gyergyói-havasok, Muntii Giurgeului), 1,200 m, 24.07.1995, 52534.
Romania (Transylvania); Gyergyószentmiklós (Gheorgheni): Fehér-mező, in spruce forest (Gyergyói-havasok, Muntii Giurgeului), 1,400 m, 08.06.1956, 52545.
Romania (Transylvania); Tekerő brook, eastern slope of Mt Feketerez (Gyergyói-havasok, Muntii Giurgeului), 1,200 m, 26.07.1995, 52529.

Marsilea quadrifolia L.

Hungary; Eger: open air swimming-pool (Bükk Mts), 11.10.1955, 52489.
Hungary; Tata: Réti-halastavak (fish pond) (Kisalföld), 120 m, 22.10.1993, 52490.

From the area of the Little Hungarian Plain this is the only report on the species; however, in the manuscripts of Endre Jeney there is a note reporting that he saw this species also in the garden of József Kugli. From the mentioned garden of aquatic plants near the town of Tata several aquatic plants have escaped (see BARINA 2006), thus the probability that *Marsilea* got into Réti-halastavak (fish pond) cannot be excluded. After VOJTKÓ (2001), only one herbarium sheet of this species is known from Eger (collected by Boros in 1959); the collection of Jeney precedes this with 4 years.

Matteuccia struthiopteris (L.) Tod.

Hungary; Nagyhuta: Kemence-patak, Kőkapu (Zemplén Mts), 350 m, 12.06.1955, 52335.

Notholaena marantae (L.) Desv.

Hungary; Tapolca: Szent György-hegy (Balaton-felvidék), 400 m, leg.: Siroki, Z., 26.08.1955, 52488.

Ophioglossum vulgatum L.

Hungary; Bátorliget: Fényi-erdő, in forest (Nyírség), 06.06.1957, 52512.
Hungary; Debrecen: Haláp, in forest (Nyírség), 80 m, 26.05.1953, 52513.
RÉV *et al.* (2006) reported this species among the taxa extinct from Fényi-erdő.

Phegopteris connectilis (Michx.) Watt

Hungary; Regéc: Magoska (Zemplén Mts), 750 m, 10.06.1955, 52542.
Italy; "St. Genesio (Ötztaler Alpen)" [= San Genesio, Sarntaler Alpen?], 800 m, 01.07.1993, 52333.
Romania (Transylvania); between Mts Bucsin-tető and Tatár-kő, in spruce forest (Görgényi-havasok, Muntii Gurghiului), 1,300 m, 03.07.1999, 52334.
Romania (Transylvania); Gyergyószentmiklós (Gheorgheni): Mt Nagy Hagymás towards lake Gyilkos-tó (Lacu Rosu), in spruce forest (Gyergyói-havasok, Muntii Giurgeului), 1,000 m, 02.07.1999, 52535.
Romania (Transylvania); Mt Nagycsomád (1,301 m; Ciomatul Mare) towards lake Szent Anna-tó (Lacul Sfinta Ana) (Bodoki-hegység, Muntii Bodoc), 1,280 m, 14.08.1981, 52332.

Polypodium vulgare L.

Hungary; Dömös: Szőke-forrás völgye (Visegrád Mts), 350 m, 06.08.1979, 52492.
Hungary; Dömös: Vadálló-kövek, on andesite rock (Visegrád Mts), 700 m, 27.06.1969, 52499.
Hungary; Háromhuta: Pengő-kő, on andesite rock (Zemplén Mts), 759 m, 12.06.1955, 52495.
Hungary; Kővágószőlős: Jakab-hegy (Mecsek Mts), 400 m, 09.06.1996, 52491.
Hungary; Miskolc: Hetemér (Bükk Mts), 400 m, 13.04.1985, 52493.
Hungary; Nagyhuta: Kőkapu (Zemplén Mts), 250 m, leg.: Kiss, S., Jeney, E. 10.04.1986, 52503.
Hungary; Nagyvisnyó: Ablakos-kő (Bükk Mts), 750 m, 13.05.1977, 52500.
Hungary; Nagyvisnyó: Ablakos-kő-völgy (Bükk Mts), 400 m, 18.06.1954, 52494.
Hungary; Nyergesújfalu: Cser-völgy (Gerecse Mts), 15.08.1969, cit. in BARINA (2006: 124), 52504.
Hungary; Sopron: Tolvaj-árok (Sopron Hills), 02.08.1969, 52498.
Hungary; Szár, on dolomite rock (Vértes Mts), 250 m, s. d., cit. in BARINA (2006: 124), 52505.
Italy; "St. Genesio" (Ötztaler Alpen) [= San Genesio, Sarntaler Alpen?], 800 m, 01.07.1993, 52501, 52502.
Poland; in beech forest near Gdansk (Region Gdansk), 23.07.1967, 52497.
Romania (Transylvania); Madéfalva (Siculeni), in spruce forest (Hargita Mts, Muntii Harghita), 1,400 m, 02.08.1956, 52496.

Polystichum aculeatum (L.) Roth

Hungary; Miskolc: Hámori-völgy (Bükk Mts), 300 m, 13.04.1985, 52433.
Hungary; Miskolc: Ómassa (Bükk Mts), 400 m, 18.10.1953, 52551.

Romania (Transylvania); Csíkcsicsó (Ciceu): Mt Hargita, in spruce forest (Hargita Mts, Muntii Harghita), 1,400 m, 02.08.1956, 52552.
Romania (Transylvania); Gyergyószentmiklós (Gheorgheni): in spruce forest near lake Gyilkos-tó (Lacu Rosu) (Gyergyói-havasok, Muntii Giurgeului), 1,000 m, 05.08.1994, 52533.

Polystichum lonchitis (L.) Roth

Romania (Transylvania); Mt. Domnule (Fogarasi-havasok, Muntii Fagarasului), 2,400 m, 20.08.1962, 52470.
Romania (Transylvania); Predelut: Malaiesti valley (Bucsecs, Muntii Bucegi), 1,800 m, 18.08.1956, 52468.
Romania (Transylvania); Victoria: Podragu (Fogarasi-havasok, Muntii Fagarasului), 2,300 m, 14.08.1962, 52469.

Polystichum setiferum (Forssk.) Woyn.

Hungary; Bisse: Tenkes, in oak forest (Villány Mts), 200 m, 31.05.1991, 52549.
Hungary; Zalakaros, in forest (Zalai-dombvidék), 200 m, 30.12.1991, 52546.
Romania (Transylvania); Gyergyószentmiklós (Gheorgheni): eastern slope of Mt Gyilkos-kő, in spruce forest (Gyergyói-havasok, Muntii Giurgeului), 1,300 m, 24.07.1995, 52616.

Pteridium aquilinum (L.) Kuhn

Hungary; Bátorliget, in oak forest (Nyírség), 01.07.1957, 52473.
Hungary; Bátorliget: Fényi-erdő, in planted pine forest (Nyírség), 27.06.1955, 52475.
Hungary; Debrecen, in oak forest (Nyírség), 80 m, 16.05.1954, 52474.
Hungary; Nyírmártonfalva: Gúti-erdő (Nyírség), 07.07.1956, 52476, 52477.

Pteris vittata L.

Hungary; Eger: open air swimming-pool (Bükk Mts), 11.10.1955, 52515.

Salvinia natans (L.) All.

Hungary; Hódmezővásárhely: Ányássziget (Tiszántúl), 90 m, 09.08.1991, 52509.
Hungary; Hortobágy: Borsos (Tiszántúl), 120 m, 26.06.1956, 52508.
Hungary; Karcag: Cser-hát, Kunsági-főcsatorna (Tiszántúl), 90 m, 23.06.1994, 52510.
Hungary; Lipót: Duna (Kisalföld), 100 m, 20.07.1985, 52507.

Hungary; Mezőtúr: Csergettyű (Tiszántúl), 100 m, 20.09.1985, 52506.
Hungary; Neszmély or Dunaalmás [formerly Almásneszmély]: Duna (Kisalföld), 100 m, 09.09.1986, 52511.

From the Little Hungarian Plain this species has data from the Szigetköz (cf. FARKAS 1999) and from Esztergom (BARINA 2003); its record from Neszmély makes a significant contribution to the knowledge on its exact distribution.

Selaginella selaginoides (L.) Link

Romania (Transylvania); Victoria: lake Bilea (Fogarasi-havasok, Muntii Fagarasului), 2,500 m, 20.08.1962, 52405.

Thelypteris palustris Schott

Hungary; Bátorliget [Nyírpilis?]: Gánás-tanyai láp (Nyírség), 100 m, 27.06.1955, 52562.
Hungary; Bátorliget, in *Caricetum* (Nyírség), 100 m, 25.05.1956, 52566.
Hungary; Debrecen: Haláp, in *Molinietum* (Nyírség), 19.09.1953, 52525.
Hungary; Egerbakta, in moor (Bükk Mts), 200 m, 22.08.1971, 52543, 52561.
Hungary; Háromhuta: Óhuta, Pinkut, in mountain grassland (Zemplén Mts), 700 m, 11.06.1955, 52567.
Hungary; Háromhuta: Tokár-tető, in mountain grassland (Zemplén Mts), 700 m, 11.06.1955, 52568, 52570.
Hungary; Móricgát, in forest (Duna–Tisza köze), 120 m, 12.06.1975, 52563.
Hungary; Regéc (Zemplén Mts), 750 m, 10.06.1955, 52569.
Hungary; Sopron: Malom-tó [= Tómalom?] (Sopron Hills), 150 m, 25.07.1969, 52564, 52565.

According to CSAPODY (1975: 30) "Once on the floating island of Nagy-Tómalom". In addition to this, he cited only a record from 1903.

Woodsia ilvensis (L.) R. Br.

Hungary; Füzér: Vár-hegy (Zemplén Mts), 650 m, 12.06.1955, 52358.

In the collection another, young, less-developed specimen identified by Jeney as "*Dryopteris villari* (Bell.) Woyn. (?)" can be found from the following locality: Italy; on granitic rock near village "St. Genesi" (Sarntaler Alpen [?]), 800 m, 01.07.1993, 52618.

DISCUSSION

The Pteridophyta collection of Endre Jeney contains 320 specimens (incl. 32 duplicate) altogether. Of these, 215 specimens were collected in Hungary, 51 from Romania (mainly from Transylvania), 11 from Poland, 7 from Italy (the Alps), 3 from Slovakia and 1 from Croatia. Among the notable collections is, according to our present knowledge, the first record of *Azolla filiculoides* from Hungary (Tata), which can be attributed to Endre Jeney. *Salvinia natans* near Neszmély, in the Little Hungarian Plain is known only from his collection. In some cases the last known collection from certain areas are in his herbarium. His data of regional importance were unfortunately left out from a number of floristical works (*e.g.* VOJTKÓ 2001, RÉV *et al.* 2006) because his herbarium was practically unknown. With our planned series of reports it is hoped that we can fill the gap.

* * *

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