

CATALOGUE OF THE HUNGARIAN CENOZOIC LEAF, FRUIT AND SEED FLORAS FROM 1856 TO 2005

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Starting with the earliest publications the catalogue records all macrofloras of Hungary published between 1856 and 2005. The author already completed a similar work, focused on leaf floras, in 1985. This new expanded edition not only completes the list of references with studies published during the last twenty years, but also adds data absent in the earlier edition or, if necessary, completes them with the related up-to-date results of scientific research (*e.g.* age, revised nomenclature). Certain changes ensued in the place of deposition of the collections are also mentioned. The taxa are recorded first by their geological age then by locality. Similarly to the structure of the former publication, the listing of taxa cites the literature in which they were published, then gives the fossiliferous rocks, layers and the place where the collection is deposited at present. It is hoped that the catalogue will greatly facilitate the work of researchers focusing on floristical comparisons and floral development.

Key words: leaf flora, fruit and seed flora, Cenozoic, catalogue, Hungary

INTRODUCTION

During the last twenty years numerous palaeobotanical works have been published that introduce new localities, record new taxa, and provide taxonomic revisions of materials from old, well-known localities. By publishing the present catalogue our aim is to give a summary of the present-date knowledge of the Cenozoic flora of Hungary. The references listed in this catalogue do not necessarily include all palaeobotanical works: studies that have a focus on non-floristical topic, *e.g.* taphonomy, vegetation, climate change, and do not mention floristical data, are not cited here.

The names of taxa published in old works appear in the first place in form of the original nomenclature. A supplement of works published in local, hardly accessible publications is also included. At the same time, if it is unequivocal, the present-day valid name is given after an equality sign.

Thanks to the increasing geological knowledge and new methods applied in age estimation of the localities the palaeobotanical records became more accurate. Indicating fossiliferous layers and sediments has a great importance when comparing floras, *e.g.* volcanic and other floras. In addition, layer and geological formation provide information on the age of the flora.

During the last twenty years some collections have been moved to other museums or other cities from their original place. This is also indicated in the catalogue to aid future studies of original or type specimens with information on the deposition.

CATALOGUE ARRANGED ACCORDING TO THE GEOLOGICAL AGE AND LOCALITIES

The earlier catalogue did not comprise data on the seed and fruit floras – the present publication has expanded its scope to include these also.

Abbreviations: BP = Hungarian Natural History Museum, KDM = Kúny Domokos Museum, Tata, MÁFI = Hungarian Geological Institute, MM = Mátra Museum, Gyöngyös, Pásztó = Pásztó Museum, SM = Savaria Museum, Szombathely.

EOCENE

Bajót: Búzás-hegy

Remain: *Stenochlaena transdanubica* Pálfalvy (PÁLFALVY 1980).
Strata: clay.
Deposited at: MÁFI.

Dorog

Remain: *Sabal major* Unger (STAUB 1889a).
Strata: clay.
Deposited at: unknown.

Héreg: Drilling No. 14

Remain: *Osmunda lignitum* (Giebel) Stur (PÁLFALVY 1980).
Strata: clay.
Deposited at: MÁFI.

Mogyorósbánya

Remains: *Acrostichum lanzaeanum* (Visiani) Chandler, *Stenochlaena transdanubica* Pálfalvy (PÁLFALVY 1980).

Strata: clay.

Deposited at: MÁFI.

Solymár: Drilling No. 72

Remains: *Acrostichum lanzaeanum* (Visiani) Chandler, *Castanopsis* sp., *Engelhardia macroptera* (Brongniart) Unger, *Myrica* sp., *Palmophyllum* sp., *Typha* sp. (PÁLFALVY 1964a).

Strata: sandy clay, sandy clay marl.

Deposited at: MÁFI.

Tatabánya: Márgabánya

Remains: *Castanopsis elisabethae* Kolakovskij, *Engelhardia orsbergensis* (Wessel et Weber) Jählichen, Mai et Walther, *Nyssa* sp., *Ocotea obtusifolia* (Berry) La Motte, *Paliurus* cf. *tiliaefolius* (Unger) Bůžek, *Sabal major* (Unger) Heer, *Zizyphus zizyphoides* (Unger) Weyland (HABLY 1985b).

Strata: marl.

Deposited at: KDM.

MIDDLE EOCENE

Balinka

Remain: *Stenochlaena palustris* (L.) Mettenius (KOVÁCS 1957a).

Strata: coal underlayer.

Deposited at: MÁFI.

Dudar

Remain: *Nipadites burtini* Brongniart (RÁSKY 1948).

Strata: mollusc- and nummulite-rich clay.

Deposited at: BP.

Lábatlan

Remains: *Buettneria apiculata* Kovács sp. nov., *Cedrelospermum* sp. 1–2., *Grewiopsis inaequalis* Kovács sp. nov., *Eucalyptus transdanubica* Kovács sp. nov. (KOVÁCS 1959).

Remains: *Apocynocarpum eocaenicum* Kovács sp. nov., *Blechnum ellipticum* Kovács sp. nov., *Byttneria apiculata* Kovács, *Carya* sp., *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Cedrela* cf. *odorata* L., *Cedrelospermum* sp. type I, *Cedrelospermum* sp. type II, *Cinnamomum polymorphum* Heer = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cinnamomum* sp. = *Daphnogene* sp., *Cornus* sp., *Cyperites sezannensis* Saporta?, *Dalbergia* cf. *Leguminocarpum mecsekense* Andreánszky, *Daphnogene* sp. vel *Litsea* sp., *Dryophyllum brevipetiolatum* Berry, *Dryophyllum* sp. type I, *Dryophyllum* sp. type II, *Dryophyllum stanleyanum* Dawson, *Eucalyptus transdanubica* Kovács, "Ficus" *dalmatica* Ettingshausen, *Glonoma* sp., *Grewiopsis inaequalis* Kovács, *Hamamelis fothergilloides* Saporta, *Ilex* sp., Juglandaceae sp., *Leguminocarpum* sp., Leguminosae sp., *Magnolia* sp. cf. *grandiflora* L., *Magnolia inaequalis* Saporta, *Magnolia* sp. cf. *obovata* Thunberg, *Magnolia* sp., Monocotyledonae sp., *Myrica elongata* Saporta, *Myrica fraterna* Saporta, *Myrsine miranda* Saporta, *Myrsinites* sp. cf. *Pleiomeres canariensis* (Willdenow) De Candolle, Myrtaceae sp., *Ostrya humilis* Saporta, Palmae sp., *Phoenix* sp., *Populus* sp., *Pterocarya* sp. type I, *Pterocarya* sp. type II, *Quercus aquisextana* Saporta, *Quercus laharpii* Gaudin, *Salix aquensis* Saporta, *Sapindus* sp., *Sequoia couttsiae* Heer, *Sequoia tournalii* Saporta, *Sterculia* sp., *Sterculia variabilis* Saporta, *Talauma* cf. *egerensis* Andreánszky, *Viburnum whymeri* Heer, flos Dicotyledonae? (KOVÁCS 1961).

Strata: clay.

Deposited at: MÁFI.

Tatabánya

Remain: *Apocynophyllum plumieroides* Staub (RÁSKY 1956a).

Deposited at: BP.

Remain: *Mimosocarpum* typ. nov. Andreánszky (ANDREÁNSZKY 1951).

Strata: operculine-rich clay.

Deposited at: BP.

Remain: *Dracontomelon minimum* Reid et Chandler (KOVÁCS 1957b).

Strata: coal underlayer.

Remains: Anacardiaceae sp., *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Diospyros varians* Saporta, *Dryophyllum* sp., *Dryophyllum* sp. vel *Castanea* sp., Gramineae sp., Lauraceae sp., *Laurus assimilis* Saporta, Leguminosae sp., *Magnolia* cf. *salicifolia* Maximovicz, *Myrica* sp., *Noto-laia* sp., Palmae sp., *Quercus* cf. *glauca* Thunberg, *Quercus* sp., *Sapindus* sp. type I, *Sapindus* sp., *Stenochlaena palustris* (L.) Mettenius, *Strychnos* sp., *Zizyphus zizyphoides* (Unger) Weyland (KOVÁCS 1968).

Strata: marl.

Locality: Tatabánya I.

Deposited at: MÁFI.

Remains: *Actinodaphne* cf. *lancifolia* Merrill, *Anona* cf. *reticulata* L., Apocynaceae sp., *Apocynophyllum helveticum* Heer, *Apocynophyllum* sp., *Byttneria apiculata* Kovács, *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Castanopsis* sp., *Cedrela* sp., *Cupania* cf. *canescens* Persoon, *Cupanites* sp., *Dodonaea* sp., *Dryophyllum* sp., *Dryophyllum* sp. vel *Castanea* sp., *Equisetum* sp., *Grewiopsis* sp., *Illicium* cf. *anisatum* Gaertner, Lauraceae sp., *Laurus assimilis* Saporta, *Lithocarpus* cf. *areca* (Hickel et Camus) Camus, *Lithocarpus* cf. *pierrei* Camus, *Lithocarpus*

sp., Magnoliaceae – Anonaceae spp., *Michelia* cf. *champea* L., *Myrica* sp., Palmae sp., *Persea* cf. *carolinensis* Nees, “*Platanus nobilis*” Newberry, *Plumeria* cf. *mexicana* Loddiges, *Quercus* cf. *glauca* Thunberg, *Quercus* sp., Sapindaceae spp., *Sapindus* sp. type I, *Sapindus* sp., *Stenochlaena palustris* (L.) Mettenius, *Zizyphus zizyphoides* (Unger) Weyland (KOVÁCS 1968).

Strata: marl.

Locality: Tatabánya II.

Deposited at: MÁFI.

Remain: *Stenochlaena transdanubica* Pálfalvy sp. nov. (PÁLFALVY 1964b).

Strata: foraminifera- and mollusc-rich clay marl in operculine-rich clay.

Locality: Hosszúhajtai-völgy.

Deposited at: MÁFI.

Remain: *Acrostichum lanzaeanum* (Visiani) Chandler (PÁLFALVY 1980).

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Strata: marl.

Deposited at: MÁFI.

Tokod

Remain: *Xylophiaecarpum eocaenicum* Rásky gen. nov., sp. nov. (RÁSKY 1956a).

Strata: coal.

Deposited at: BP.

UPPER EOCENE

Budapest: Gellért-hegy

Remain: *Engelhardia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Strata: marl.

Deposited at: MÁFI.

Budapest: Martinovics-hegy

Remains: *Actinorhytis eocaenica* (Tuzson) Rásky comb. nov., *Monotes oeningensis* (Heer) Weyland (RÁSKY 1956b).

Deposited at: BP.

Remain: *Nipa burtini* (Brongniart) Ettingshausen (PÁLFALVY 1965a).

Strata: nummulite limestone, calcareous marl.

Deposited at: MÁFI.

OLIGOCENE

Bajna: Drillings Nos 57, 58

Remains: *Lygodium gaudini* Heer, *Osmunda lignitum* (Giebel) Stur (PÁLFALVY 1980).

Strata: clay.

Deposited at: MÁFI.

Csolnok

Remains: *Daphnogene cinnamomifolia* (Brongniart) Unger, Dicotyledoneae gen. et sp. indet. *Dicotylophyllum* sp., *Laurophyllum pseudoprinceps* Weyland et Kilpper, *Laurophyllum* sp., Monocotyledoneae gen. et sp. indet. *Pronephrium stiriacum* (Unger) Knobloch et Kvaček, "*Rhamnus*" *warthae* Heer, cf. *Sequoia abietina* (Brongniart) Knobloch, Taxodiaceae gen. et sp. indet. *Tetraclinis salicornioides* (Unger) Kvaček, *Ulmus ?fischeri* Heer (ERDEI and WILDE 2004).

Strata: clay.

Deposited at: BP.

Kocs: Drilling No. 4

Remains: *Blechnum dentatum* (Goepfert) Al. Braun, *Osmunda lignitum* (Giebel) Stur, *Pronephrium stiriacum* (Unger) Knobloch et Kvaček (PÁLFALVY 1980).

Strata: clay.

Deposited at: MÁFI.

LOWER OLIGOCENE

Budakeszi

Remain: *Castalia (Nymphaea) cf. alba* (L.) Wood (BOROS 1926).

Strata: clay.

Deposited at: unknown.

Budapest: Batthyány tér

Remains: *Antrophytes egedensis* Andreánszky, *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Ceratopetalum articulatum* Andreánszky et Novák, *Cunonia oligocaenica* Andreánszky et Novák = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Embothrites* sp. = *Cedrelospermum aquense* (Saporta) Saporta, *Engelhardtia brongniarti* Saporta = *Engelhardtia macroptera* (Brongniart) Unger, *Osmunda legányii* Andreánszky, *Persea budensis* Andreánszky sp. nov., *Pinus tuzsoni* Novák (ANDREÁNSZKY 1963a).

Strata: clay.

Deposited at: BP.

Remains: Drilling B1: *Antrophytes egedensis* Andreánszky, cf. *Callistemophyllum* sp., *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Ceratopetalum articulatum* Andreánszky et Novák, cf. *Cunonia oligocae-nica* Andreánszky et Novák = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, “*Embothrites*” *borealis* Unger = *Cedrelospermum aquense* (Saporta) Saporta, *Engelhardia macroptera* (Brongniart) Unger, *Osmunda lignitum* (Giebel) Stur, *Persea budensis* Andreánszky, *Pinus* sp., *Pinus tuzsoni* Novák. – Drilling B2: *Cassiophyllum* sp., *Castanopsis callicomaefolia* Andreánszky, *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, cf. *Chondrites affinis* Heer, *Comptonia acutiloba* Brongniart, Cupressaceae sp., *Daphnogene cinnamomea* (Rossmässler) Knobloch, *Daphnogene lanceolata* Unger, *Dryophyllum* sp., *Ficus* sp., *Laurophyllum* sp., cf. *Litsea* sp., *Leguminocarpum* sp., *Leguminosites* sp., *Libocedrites salicornioides* (Unger) Endlicher, *Litsea* sp., *Osmunda lignitum* (Giebel) Stur, *Palmophyllum* sp., *Persea budensis* Andreánszky, *Pinus* sp., *Pinus tuzsoni* Novák, *Platanus plataniifolia* (Ettingshausen) Knobloch, *Platanus schimperii* Saporta et Marion, *Quercus lusatica* Jähnichsen, *Sapindus* sp., *Sapotacites* sp., *Sequoia abietina* (Brongniart) Knobloch, *Zizyphus zizyphoides* (Unger) Weyland (PÁLFALVY 1978).

Remain: *Engelhardia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Strata: clay, Tard Clay Formation.

Deposited at: MÁFI.

Budapest: Bécsi út

Remain: *Sloanea elliptica* (Andreánszky) Z. Kvaček et Hably (KVAČEK *et al.* 2001).

Remain: *Cedrelospermum aquense* (Saporta) Saporta (HABLY and THIÉBAUT 2002).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Budapest: Bohn brickyard

Remains: *Apocynophyllum reussi* Ettingshausen, *Cassia* sp., *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Cinnamomophyllum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Kvaček et Knobloch, *Cinnamomum* sp. = *Daphnogene* sp., *Dryophyllum* sp., *Engelhardtia brongniarti* Saporta = *Engelhardia macroptera* (Brongniart) Unger, *Grewiopsis ellipticus* Andreánszky, Leguminosae sp., *Myrica* sp., *Osmunda legányii* Andreánszky, *Sequoia couttsiae* Heer, *Sequoia langsdorfii* (Brongniart) Heer = *Doliosrobis hungaricus* (Rásky) Bůžek, Holý et Kvaček, *Zizyphus zizyphoides* (Unger) Weyland (ANDREÁNSZKY 1963a).

Remain: *Sloanea elliptica* (Andreánszky) Z. Kvaček et Hably (KVAČEK *et al.* 2001).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Budapest: Budaújlak

- Remains: *Pteris budensis* Andreánszky sp. nov., *Trichomanes radicans* Swartz (ANDREÁNSZKY 1949a).
- Remains: *Osmunda legányii* Andreánszky sp. nov., cf. *Phegopteris decussata* Mettenius, *Rhipidopteris palaeopeltata* Andreánszky sp. nov. (ANDREÁNSZKY 1952).
- Remains: *Dodonaeaecarpum hungaricum* Andreánszky sp. nov., "*Embothrites*" *borealis* Unger = *Cedrelospermum aquense* (Saporta) Saporta, *Grewiopsis ellipticus* Andreánszky sp. nov., = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Hiraea microcarpa* Andreánszky sp. nov., *Mimosites budensis* Andreánszky sp. nov. (ANDREÁNSZKY 1956).
- Remains: *Adiantites* sp., *Aspidites* sp., *Blechnum braunii* Ettingshausen, *Ceratopteridites budensis* Varga sp. nov., *Glyptostrobus europaeus* (Brongniart) Heer, *Libocedrites salicornioides* (Unger) Endlicher = *Tetraclinis salicornioides* (Unger) Kvaček, *Osmunda legányii* Andreánszky, *Phegopteris* cf. *decussata* Mettenius, *Pinus palaeostrobis* Ettingshausen, *Pteris budensis* Andreánszky, *Pteris* sp., *Rhipidopteris palaeopeltata* Andreánszky, *Sequoia couttsiae* Heer, *Sequoia langsdorfii* (Brongniart) Heer, *Sequoia sternbergii* Heer = *Doliosobus hungaricus* (Rásky) Bůžek, Holý et Kvaček, *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer, *Thuides* sp. (VARGA 1956).
- Remains: *Dolichites triangularis* Andreánszky et Novák sp. nov., *Mimosites hoeringianus* Ettingshausen (ANDREÁNSZKY and NOVÁK 1957).
- Remains: *Abelia* sp. = partly *Ráskya vetusta* (Ettingshausen) Manchester et Hably; partly *Tetrapterys harpyiarum* Unger, *Combretum palaeosquamosum* Andreánszky sp. nov. (ANDREÁNSZKY 1959b).
- Remains: *Cassia* sp., *Cinnamomum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Grewiopsis ellipticus* Andreánszky = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Sequoia sternbergii* (Goepfert) Heer, *Zizyphus zizyphoides* (Unger) Weyland (ANDREÁNSZKY 1963a).
- Remains: *Machaerites hungaricus* (Rásky) Andreánszky, *Mimosites budensis* Andreánszky (ANDREÁNSZKY 1965a).
- Remains: *Agrostistachyophyllum tomharrisii* Rásky gen. et sp. nov., *Alchorneaephyllum chandleri* Rásky gen. et sp. nov. = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Alchorneaephyllum grambasti* (Rásky) Rásky = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Baliospermophyllum kraeuseli* Rásky gen. et sp. nov. = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Carpolithus alchorneaeformis* Rásky sp. nov., *Codiaeophyllum palaeovariegatum* Rásky gen. et sp. nov. (RÁSKY 1966).
- Strata: clay, Tard Clay Formation.
Deposited at: BP.
- Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).
- Strata: clay, Tard Clay Formation.
Deposited at: MÁFI.
- Remain: *Ráskya vetusta* (Ettingshausen) Manchester et Hably (MANCHESTER and HABLY 1997).
- Strata: clay, Tard Clay Formation.
Deposited at: BP.
- Remain: *Tetrapterys harpyiarum* Unger (HABLY and MANCHESTER 2000).
- Strata: clay, Tard Clay Formation.
Deposited at: BP.

Budapest: Csillaghegy

Remains: *Araucaria hungarica* Rásky sp. nov. = *Doliosrobos hungaricus* (Rásky) Bůžek, Holý et Kvaček, *Cercis hungarica* Rásky sp. nov., *Cercis parvifolia* Lesquereux, *Cercis spokanensis* Knowlton, *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Kvaček et Knobloch, *Equisetum lombardianum* Saporta, *Myrica lignitum* (Unger) Saporta = cf. *Laurophyllum* sp., *Pinus* sp. (*taedaeformis*) (Unger) Heer, *Porana* sp., *Quercus drymeja* Unger, *Sabal hoeringiana* Unger, *Sequoia sternbergii* Goepfert = *Doliosrobos hungaricus* (Rásky) Bůžek, Holý et Kvaček (RÁSKY 1943).

Remain: *Antrophytes egedensis* Andreánszky (VARGA 1956).

Remain: *Dodoneaecarpum* sp. (ANDREÁNSZKY 1959b).

Remains: *Abelia* sp. = *Ráskya vetusta* (Ettingshausen) Manchester et Hably, *Acrostichum aureum* L., cf. *Achras sapota* L., cf. *Actinodaphne lancifolia* Merrill, Anacardiaceae sp., *Anonaceaphyllum budense* Andreánszky sp. nov., *Apocynophyllum reussi* Ettingshausen, *Ardisia montis-stellae* Andreánszky sp. nov., *Callistemophyllum* sp., *Cassia* cf. *occidentalis* L., *Castanopsis calli-comaefolia* Andreánszky, *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Castanopsis* sp., *Cinnamomum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Cinnamomum rossmaessleri* Heer, *Cinnamomum* sp. = *Daphnogene* sp., *Cunonia oligocaenica* Andreánszky et Novák = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Dodonea salicoides* Andreánszky, *Dryophyllum* sp. = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Elaeocarpus* cf. *lanceolatus* Blume, *Elaeodendron obovatum* Andreánszky et Novák, *Engelhardia brongniarti* Saporta = *Engelhardia macroptera* (Brongniart) Unger, *Eucalyptus* sp. 1, 2, *Ilex* cf. *cassine* L., *Kennedy* cf. *prostrata* Al. Braun, Leguminosae sp., *Libocedrites salicornioides* (Unger) Endlicher = *Tetraclinis salicornioides* (Unger) Kvaček, *Maesa* sp. = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, cf. *Machilus japonicus* (Yat.) K. Sak., *Myrica acutiloba* Brongniart var. *serrata* Andreánszky, *Myrica angustissima* Wat., *Myrica* (*Comptonia*) *grandis* Andreánszky nom. nov., *Myrica longifolia* Unger, *Myriophyllum* sp., *Nephelium* cf. *longanum* (Lamarck) Cambessedes, *Osmunda legányii* Andreánszky, *Passiflora* sp., *Persea indica* (L.) Spreng. *Phoenicites* sp., *Pitosporum* sp., *Ptelea* cf. *trifoliata* L., *Pteleaecarpum* sp., *Rhamnus palaeofrangula* Andreánszky sp. nov., *Rhus* cf. *semialata* Merrill, Sapotaceae sp., *Schinus oligocaenicum* Andreánszky et Novák = *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Sequoia couttsiae* Heer, *Sequoia sternbergii* (Goepfert) Heer = *Doliosrobos hungaricus* (Rásky) Bůžek, Holý et Kvaček, cf. *Sideroxylon mastichodendron* L., *Sweetia* cf. *prostrata* Al. Braun, *Uvaria* cf. *confertiflora* Merrill, *Zizyphus zizyphoides* (Unger) Weyland (ANDREÁNSZKY 1963a).

Remain: *Anonaceaphyllum budense* Andreánszky (ANDREÁNSZKY 1965a).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Strata: clay, Tard Clay Formation.

Deposited at: MÁFI.

Remain: *Acrostichum aureum* L. (HABLY and FERNANDEZ MARRON 1998).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Budapest: Kapás utca

Remains: cf. *Acer atavissimum* Andreánszky = *Platanus schimperii* (Heer) Saporta et Marion, *Carya* sp., *Castanopsis callicomaefolia* Andreánszky, *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, cf. *Chondrites affinis* Heer, *Comptonia acutiloba* Brongniart, cf. *Cunonia oligocaenica* Andreánszky et Novák = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Daphnogene lanceolata* Unger, *Dryophyllum dewalquei* Saporta et Marion, *Dryophyllum* sp. = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Laurophyllum* sp., *Leguminosites* sp., *Libocedrites salicornioides* (Unger) Endlicher = *Tetraclinis salicornioides* (Unger) Kvaček, *Litsea* sp., *Myrica lignitum* (Unger) Saporta, *Palmophyllum* sp., *Persea budensis* Andreánszky, *Pinus* sp. folium et semen, *Pinus tuzsoni* Novák, cf. *Quercus excelsior* Andreánszky et Novák, *Quercus lusatica* Jähnicen, cf. *Quercus sprengeli* Heer, *Sapindus* sp., *Sapotacites* sp., *Sequoia abietina* (Brongniart) Knobloch, *Zizyphus zizyphoides* (Unger) Weyland (PÁLFALVY 1978).

Remain: *Engelhardia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Remain: *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček (HABLY 1985c).

Strata: clay, Tard Clay Formation.

Deposited at: MÁFI.

Budapest: Kiscell-1 drilling

Remains: *Abelia quadrialata* Reid et Chandler = *Tetrapterys harpyiarum* Unger, *Cercis hungarica* Rásky, *Cercis parvifolia* Lesquereux, *Dalbergia bella* Heer, *Doliosstrobos hungaricus* (Rásky) Bůžek, Holý et Kvaček, *Dryophyllum furcinerve* (Rossmässler) Schmalhausen = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Palaeocarya orsbergensis* (Wessel et Weber) Jähnicen, Friedrich et Takač = *Engelhardia orsbergensis* (Wessel et Weber) Jähnicen, Mai et Walther, *Pinus* sp., *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Zizyphus zizyphoides* (Unger) Weyland (HABLY 1986a).

Remains: *Laurophyllum hradekense* Kvaček et Bůžek, *Laurophyllum markvarticense* Kvaček, *Laurophyllum* sp. (HABLY 1992e).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Budapest: Moszkva tér

Remains: Drilling FAV 15: *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Laurophyllum* sp., cf. *Litsea* sp., *Pinus tuzsoni* Novák, cf. *Quercus sprengeli* Heer, *Sequoia abietina* (Brongniart) Knobloch, *Sequoiadendron couttsiae* (Heer) Grambasti, *Zizyphus zizyphoides* (Unger) Weyland. – Drilling T1–T5: cf. *Acer atavissimum* Andreánszky = *Platanus schimperii* (Heer) Saporta et Marion, *Acrostichum* sp., *Bambusium* sp., cf. *Callistemophyllum* sp., *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Celastrus* sp., *Ceratopetalum myricinum* Lah., cf. *Chondrites affinis* Heer, *Daphnogene lanceolata* Unger, *Dodonaea salicoides* Andreánszky, *Doliosstrobos acicularis* (Knowlton) Bůžek, Holý et Kvaček, *Dryophyllum dewalquei* Saporta et Marion = *Eotrigonobalanus*

furcinervis (Rossmässler) Walther et Kvaček, *Laurophyllum* sp., cf. *Litsea* sp., *Pinus* sp., *Quercus goepperti* Weber, *Salix* sp., *Typha latissima* Al. Braun, *Zizyphus zizyphoides* (Unger) Weyland (PÁLFALVY 1978).

Strata: clay, Tard Clay Formation.

Deposited at: MÁFI.

Budapest: Nagybátony-Újtlak brickyard

Remain: *Tarrietia hungarica* Rásky sp. nov. = *Machaerites hungaricus* (Rásky) Andreánszky (RÁSKY 1950).

Remains: *Ailanthus confucii* Unger = *Ailanthus tardensis* Hably, Algae, *Betula* sp., *Cephalotaxus* sp., *Embothrites borealis* Unger = *Cedrelospermum aquense* (Saporta) Saporta, *Engelhardtia brongniarti* Saporta = *Engelhardia macroptera* (Brongniart) Unger, *Hooleyia hermis* (Unger) Reid et Chandler, *Kydia hungarica* Rásky sp. nov., *Kydia palaeocalycina* Rásky sp. nov., *Libocedrus* sp., *Maoutia hungarica* Rásky sp. nov., *Mimosites haeringiana* Ettingshausen, Osmundaceae, Polypodiaceae, *Sequoia* sp., *Taxodium* sp., *Tetraclinis brongniarti* Endlicher = *Tetraclinis brachyodon* (Brongniart) Mai et Walther, *Tetrapterys harpyrium* Unger, *Zizyphus ovata* Weber, *Zizyphus zizyphoides* (Unger) Weyland (RÁSKY 1956c).

Remains: *Abelia quadrialata* Reid et Chandler = *Ráskya vetusta* (Ettingshausen) Manchester et Hably, *Aherniaephyllum kraeuseli* Rásky gen. et sp. nov., *Antholitus* sp., *Carpolithus combretaceoides* Rásky sp. nov., *Caseariaephyllum kraeuseli* Rásky gen. et sp. nov., *Cinnamomophyllum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Hydnocarpophyllum kraeuseli* Rásky gen. et sp. nov., *Passifloraephyllum kraeuseli* Rásky n. gen., sp. nov. (RÁSKY 1960).

Remain: *Ráskya vetusta* (Ettingshausen) Manchester et Hably (MANCHESTER and HABLY 1997).

Remains: *Ailanthus confucii* Unger = *Ailanthus tardensis* Hably, *Tetraclinis salicornioides* (Unger) Kvaček (HABLY and FERNANDEZ MARRON 1998).

Remain: *Tetrapterys harpyrium* Unger (HABLY and MANCHESTER 2000).

Remain: *Ailanthus tardensis* Hably sp. nov. (HABLY 2001b).

Remains: *Sloanea elliptica* (Andreánszky) Z. Kvaček et Hably, *Sloanea eocenica* (Rásky) Z. Kvaček, Hably et Manchester (KVAČEK *et al.* 2001).

Remains: *Cedrelospermum aquense* (Saporta) Saporta, *Cedrelospermum flichei* (Saporta) Hably et Thiébaud (HABLY and THIÉBAUD 2002).

Remain: *Ceratozamia floersheimensis* (Engelhardt) Z. Kvaček (KVAČEK 2002).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Budapest: Óbuda

Remain: *Castalia* cf. *alba* (L.) Wood = *Nymphaea alba* L. (BOROS 1926).

Remains: *Comptonia schrankii* (Sternberg) Berry, *Engelhardtia brongniarti* Saporta = *Engelhardia macroptera* (Brongniart) Unger, *Kydia palaeocalycina* Rásky, *Osmunda palaeobanksiaefolia* Rásky n. nov., *Sabal major* (Unger) Heer (RÁSKY 1964).

Remains: *Alchorneaephyllum grambasti* (Rásky) Rásky = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Aleuriteophyllum nemejci* Rásky gen. et sp. nov., *Caseariaephyllum kraeuseli* Rásky = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Engelhardtia brongniarti* Saporta =

Engelhardia macroptera (Brongniart) Unger, *Macarangaephyllum palaeomonandrum* Rásky gen. et sp. nov. = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Mallotophyllum palaeomiquelianum* Rásky gen. et sp. nov. = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Scolopiaephyllum protoluzonense* (Rásky) Rásky, *Zizyphus zizyphoides* (Unger) Weyland (RÁSKY 1965).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Remain: *Engelhardia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Strata: clay, Tard Clay Formation.

Deposited at: MÁFI.

Remains: *Chamaecyparites hardtii* (Goepfert) Endlicher, *Doliosirobus certus* Bůžek, Holý et Kvaček, *Laurophyllum acutimontanum* Mai, *Laurophyllum kvačeki* Hably sp. nov., *Laurophyllum medimontanum* Bůžek, Holý et Kvaček (HABLY 1992e).

Remain: *Comptonia schrankii* (Sternberg) Berry (HABLY and FERNANDEZ MARRON 1998).

Remains: *Apocynospermum* sp., *Cedrelospermum aquense* (Saporta) Saporta, *Comptonia schrankii* (Sternberg) Berry, *Quercus lonchitis* Unger, *Tetrapteryx harpyiarum* Unger, *Zizyphus zizyphoides* (Unger) Weyland (HABLY et al. 2000).

Remain: *Sloanea elliptica* (Andreánszky) Z. Kvaček et Hably (TAMÁS and HABLY 2005).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Budapest: Szépvölgy brickyard

Remains: Algae, *Cassiophyllum berenices* (Unger) Kräusel, *Cercis harmati* Rásky sp. nov., *Cinnamomum scheuchzeri* (Heer) Fries = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Dalbergia bella* Heer, *Ficus krauseli* Rásky sp. nov., *Laurus hungarica* Rásky sp. nov., *Laurus primigenia* Unger, *Laurus princeps* Heer, *Myrica lignitum* (Unger) Saporta = in partim *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Persea speciosa* Heer, *Pinus palaeostrobus* Ettingshausen, *Pinus* sp. 1, 2, *Pterocarya denticulata* (Weber) Heer = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Quercus furcinervis* (Rossmässler) Heer = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Quercus goeperti* Weber = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Quercus nerifolia* Al. Braun, *Rhamnus decheni* Weber, *Salix elongata* Weber = cf. *Laurophyllum* sp., *Sequoia sternbergii* Goepfert = *Doliosirobus hungaricus* (Rásky) Bůžek, Holý et Kvaček, *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer, *Ulmus* sp. (? *prisca* Unger), *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba = non *Zelkova* (RÁSKY 1943).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Budapest: Vörösvári út, drillings "H"

Remains: Drilling H-11: *Antrophytes egedensis* Andreánszky, *Daphnogene bilinica* (Unger) Knobloch et Kvaček, Monocotyledonae gen. et sp., *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček. – Drilling H-14: *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Rhodomyrtophyllum rosmässleri* Rüffle et Jähnichen. – Drilling H-15: *Berchemia multinervis* (Al. Braun) Heer,

Dalbergia bella Heer, *Daphnogene bilinica* (Unger) Kvaček et Knobloch, *Doliosirobus hungaricus* (Rásky) Bůžek, Holý et Kvaček, *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Laurophyllum* sp., Monocotyledonae gen. et sp., *Myrica metzeli* Becker, *Pinus* sp., *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Rhodomyrtophyllum rosmässleri* Rüffle et Jähnichen, *Sequoia langsdorfii* (Brongniart) Heer, *Taxodium dubium* (Sternberg) Heer, *Zizyphus zizyphoides* (Unger) Weyland. – Drilling H-16: *Abelia quadrialata* Reid et Chandler = *Tetrapterys harpyiarum* Unger, *Comptonia acutiloba* Brongniart, *Dalbergia bella* Heer, *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Doliosirobus hungaricus* (Rásky) Bůžek, Holý et Kvaček, *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Laurophyllum* sp., *Libocedrites salicornioides* (Unger) Endlicher = *Tetraclinis salicornioides* (Unger) Kvaček, Monocotyledonae gen. et sp., *Myrica serrulata* Becker, *Pinus tuzsoni* Novák, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Pteris budensis* Andreánszky, *Sequoia langsdorfii* (Brongniart) Heer, *Taxodium dubium* (Sternberg) Heer, *Zizyphus zizyphoides* (Unger) Weyland. – Drilling H-17: *Comptonia acutiloba* Brongniart, *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Laurophyllum* sp., *Libocedrites salicornioides* (Unger) Endlicher = *Tetraclinis salicornioides* (Unger) Kvaček, Monocotyledonae gen. et sp., *Pinus* sp., *Pinus palaeostrobos* Ettingshausen, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Sequoia langsdorfii* (Brongniart) Heer, *Zizyphus zizyphoides* (Unger) Weyland. – Drilling H-18: *Abelia quadrialata* Reid et Chandler = *Ráskya vetusta* (Ettingshausen) Manchester et Hably, *Dalbergia bella* Heer, *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Doliosirobus hungaricus* (Rásky) Bůžek, Holý et Kvaček, *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Laurophyllum* sp., *Libocedrites salicornioides* (Unger) Endlicher = *Tetraclinis salicornioides* (Unger) Kvaček, *Myrica serrulata* Becker, *Pinus palaeostrobos* Ettingshausen, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Sequoia langsdorfii* (Brongniart) Heer, *Taxodium dubium* (Sternberg) Heer, *Zizyphus zizyphoides* (Unger) Weyland (HABLY 1979, 1985c).

Remain: *Ráskya vetusta* (Ettingshausen) Manchester et Hably (MANCHESTER and HABLY 1997).

Remain: *Tetrapterys harpyiarum* Unger (HABLY and MANCHESTER 2000).

Strata: clay, Tard Clay Formation.

Deposited at: BP.

Eger: Erzbischof brickyard

Remain: *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Strata: clay, Kiscell Clay Formation.

Deposited at: MÁFI.

Eger: Kiseged

Remains: *Asplenium egedense* Andreánszky sp. nov., *Cystopteris filix-fragilis* (L.) Borbás, *Polystichum* sp., *Pteris* sp., *Trichomanes radicans* Swartz (ANDREÁNSZKY 1949a).

Remains: *Libocedrus salicornioides* (Unger) Heer = *Tetraclinis salicornioides* (Unger) Kvaček, *Pinus palaeostrobos* Ettingshausen, *Pinus tuzsoni* Novák sp. nov., *Sequoia couttsiae* Heer, *Sequoia langsdorfii* (Brongniart) Heer, *Sequoia sternbergii* (Goepfert) Heer = *Doliosirobus hun-*

- garicus* (Rásky) Bůžek, Holý et Kvaček, *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer, *Thuites* sp. (NOVÁK 1950).
- Remains: *Cryptogrammites hungarica* Andreánszky sp. nov., *Pterospermites* sp., *Vitis hungarica* Andreánszky sp. nov. (ANDREÁNSZKY 1951).
- Remains: *Acrostichum aureum* L., *Antrophytes egedensis* Andreánszky sp. nov. (ANDREÁNSZKY 1954).
- Remains: *Protoficus cranulata* Saporta, *Sterculia sinuato-dentata* Andreánszky sp. nov. (ANDREÁNSZKY 1955a).
- Remains: *Dodonaeaecarpum hungaricum* Andreánszky sp. nov., *Embothrites borealis* Unger = *Cedrelospermum aquense* (Saporta) Saporta, *Grewiopsis ellipticus* Andreánszky = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Hiraea microcarpa* Andreánszky = *Hooleya hermis* (Unger) Reid et Chandler (ANDREÁNSZKY 1956).
- Remains: *Berchemiaephyllum dilleniiforme* Andreánszky et Novák sp. nov., *Callicoma egedensis* Andreánszky et Novák sp. nov., *Ceratopetalum articulatum* Andreánszky et Novák sp. nov., *Cunonia oligocaenica* Andreánszky et Novák sp. nov. = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Cupania angustifolia* Andreánszky et Novák sp. nov., *Dolichites triangularis* Andreánszky et Novák sp. nov., *Elaeodendron oblanceolatum* Andreánszky et Novák sp. nov., *Elaeodendron obovatum* Andreánszky et Novák sp. nov., *Ficus adhatodaeformis* Andreánszky et Novák sp. nov., *Mimosites hoeringianus* Ettingshausen, *Myrica* cf. *serrata* Lamarck, *Nuphar hungaricum* Andreánszky et Novák sp. nov., *Schinus oligocaenicum* Andreánszky et Novák sp. nov. = *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Smilax weberi* Wessel (ANDREÁNSZKY and NOVÁK 1957).
- Remains: *Abelia* sp. = *Ráskya vetusta* (Ettingshausen) Manchester et Hably, *Acer atavissimum* Andreánszky sp. nov. = *Platanus schimperi* (Heer) Saporta et Marion, *Callicoma microphylla* Ettingshausen, *Cyclobalanopsis palaeoacuta* Kolakovskij, *Diervilla* sp.?, *Dioscoreaecarpum marginatum* Andreánszky sp. nov., *Dioscoreites agriensis* Andreánszky et Cziffery sp. nov., *Dioscoreites giganteus* Andreánszky sp. nov., *Dodonaea salicoides* Andreánszky sp. nov., *Glyptostrobus ungeri* Heer = non *Glyptostrobus*, *Hydrangea* sp., *Phaseolites glycinoideis* Saporta, *Sassafras tenuilobatum* Andreánszky sp. nov. (ANDREÁNSZKY 1959b).
- Remains: *Lithocarpus calathoides* Andreánszky et Kovács sp. nov., *Lithocarpus* cf. *carolinae* Rehder, *Lithocarpus colchica* Kolakovskij, *Lithocarpus* cf. *dealbata* subsp. *lucostachya* A. Camus, *Lithocarpus decurrens* Andreánszky et Kovács sp. nov., *Lithocarpus glabroides* Andreánszky et Kovács sp. nov., *Lithocarpus hypoglaucus* Hu, *Lithocarpus* cf. *licentii* A. Camus, *Lithocarpus maluccoides* Andreánszky et Kovács sp. nov., *Lithocarpus palaeotruncata* Andreánszky et Kovács, *Lithocarpus* cf. *petelotii* A. Camus, *Lithocarpus* sp., *Quercus agriensis* Andreánszky, *Quercus apocynophyllum* Ettingshausen, *Quercus budensis* Andreánszky et Kovács sp. nov., *Quercus egedensis* Andreánszky et Kovács, *Quercus enigmatica* Andreánszky et Kovács sp. nov., *Quercus excelsior* Andreánszky et Kovács sp. nov., *Quercus* cf. *floribunda* Lindley, *Quercus palaeoacuta* Kolakovskij, *Quercus* cf. *pinnativenulosa* Muller, *Quercus* cf. *prinus* L., *Quercus* cf. *semiserrata* Roxburgh, *Quercus stephani dobó* Andreánszky et Kovács sp. nov., *Quercus* cf. *tahuasalana* Trelease (ANDREÁNSZKY 1964a).
- Remains: *Alnus antiquorum* Saporta = non *Alnus*, *Alnus oligocaenica* Andreánszky = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Alnus* sp., *Populus latior* Al. Braun, *Populus mutabilis* Heer = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Salix angusta* Al. Braun = non *Salix*, *Salix varians* Goepfert = non *Salix*, *Ulmus affinis* Massalongo = *Cedrelospermum flichei* (Saporta) Hably et Thiébaud, *Ulmus braunii* Heer = *Cedrelospermum flichei* (Saporta) Hably et Thiébaud, *Ulmus bronni* Unger = *Cedrelospermum flichei* (Saporta) Hably et Thiébaud, *Ulmus minuta* Goepfert = *Cedrelospermum flichei* (Saporta) Hably et Thiébaud, *Ulmus* sp. (ANDREÁNSZKY and CZIFFERY 1964).

- Remains: *Anonaceaphyllum budense* Andreánszky, *Buettneria apiculata* Kovács, *Castanopsis* sp., *Corylus jarmolenkoi* Gruber, *Cupanites neptuni* (Unger) Schimper, *Elaeocarpus agriensis* Andreánszky sp. nov., *Elaeocarpus* cf. *cyaneus* Sims = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Elaeocarpus* cf. *raniflorus* Merrill = *Sloanea elliptica* (Andreánszky) Kvaček et Hably, *Elaeocarpus* sp. 1, 2, *Lastraea oeningensis* (Al. Braun) Heer, *Machaerites hungaricus* (Rásky) Andreánszky, *Magnolia* cf. *denudata* Desrousseaux, *Magnolia diana*e Unger, *Magnolia* cf. *insignis* (Wallich) Blume, *Magnolia* cf. *tripetala* L., *Menispermum* sp., *Mimosites budensis* Andreánszky, *Mimosites hoeringianus* Ettingshausen, *Myrica aculeata* Saporta, *Myrica aquensis* Saporta, *Myrica* cf. *javanica* Blume, *Myrsine celastroides* Ettingshausen, *Nymphaea* sp., *Osmunda lignitum* (Giebel) Stur, *Platanus aceroides* Goeppert, *Platanus schimperii* (Heer) Saporta et Marion, *Pleiomeres* cf. *canariensis* (Willdenow) De Candolle, *Rapanea acuminata* (Saporta) Andreánszky comb. nov. (ANDREÁNSZKY 1965a).
- Remains: *Berchemia multinervis* (Al. Braun) Heer, *Clethra palaeoarbores* Andreánszky sp. nov., *Cnestis* cf. *ferruginea* De Candolle, *Myrica elongata* Saporta, *Pistacia* cf. *mutica* Fischer et Meyer, *Polypodium* sect. *Pleiopeltis* cf. *Polypodium* (*Pleiopeltis*) *spectrum* Kaulfuss, *Quercus enigmatica* Andreánszky et Kovács, *Rhamnus brevifolia* Al. Braun var. *serrata* Andreánszky var. nov., *Rhamnus gaudini* Heer, *Rhamnus rossmaessleri* Heer, *Rhamnus* cf. *rubra* Greene, *Rhus meriani* Heer, *Rhus succedanoides* Andreánszky, *Tetrastigmophyllum agriense* Andreánszky sp. nov. = *Sloanea elliptica* (Andreánszky) Kvaček et Hably (ANDREÁNSZKY 1967a).
- Remains: *Cassia agriensis* Andreánszky sp. nov., cf. *Cassia chamaecrista* L., *Cassia* cf. *chinensis* L., *Cassia* cf. *corymbosa* Lamarck, *Cassia hyperborea* Unger, *Dalbergia* cf. *tamarindifolia* Roxburgh, *Dalbergia* cf. *torta* Graham, *Dioclea agriensis* Andreánszky sp. nov., *Dolichites triangularis* Andreánszky, *Entada primogenita* Unger, *Kennedyia* cf. *parvifolia* Meisner, *Leguminocarpum egedense* Andreánszky sp. nov., *Leguminocarpum mecsekense* Andreánszky, *Leguminocarpum retamoides* Andreánszky sp. nov., *Leguminocarpum* sp., *Leguminocarpum* sp., *Machaerites hungaricus* (Rásky) Andreánszky, *Mimosites budensis* Andreánszky, *Mimosites hoeringianus* Ettingshausen, *Phaseolites glycinoides* Saporta, *Piscidia erythrophyllum* Unger, *Pterocarpus* cf. *indicus* Willdenow, *Robinia hesperidum* Unger, *Robinia regeli* Heer, *Sophora europaea* Unger, *Sweetia oligocaenica* Andreánszky sp. nov., *Swartzia* cf. *triphylla* Willdenow (ANDREÁNSZKY 1967b).
- Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLPALVY 1981).
- Remain: *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček (HABLY 1985c).
- Remain: *Icaciniophyllum agriense* (Andreánszky) Kvaček et Bůžek = *Sloanea elliptica* (Andreánszky) Kvaček et Hably (KVAČEK and BŮŽEK 1995).
- Remain: *Ráskya vetusta* (Ettingshausen) Manchester et Hably (MANCHESTER and HABLY 1997).
- Remains: *Calocedrus suleticensis* (Brabeneč) Kvaček, *Cedrelospermum* sp., *Craigia bronni* (Unger) Kvaček, Bůžek et Manchester, *Doliosporus taxiformis* (Sternberg) Kvaček var. *hungaricus* (Rásky) Kvaček stat. nov., *Eotrigonobalanus andreanszkyi* (Mai) Kvaček et Walther, *Laurophyllum acutumontanum* Mai, *Laurophyllum markvarticense* Kvaček, *Laurophyllum* cf. *markvarticense* Kvaček, cf. *Matudaea menzelii* Walther in Mai et Walther, *Tetraclinis brachyodon* (Brongniart) Mai et Walther (KVAČEK and HABLY 1998).
- Remain: *Acrostichum aureum* L. (HABLY and FERNANDEZ MARRON 1998).
- Remain: *Tetrapterys harpyiarum* Unger (HABLY and MANCHESTER 2000).
- Remains: *Comptonia schrankii* (Sternberg) Berry, *Quercus lonchitis* Unger, *Ráskya vetusta* (Ettingshausen) Manchester et Hably (HABLY et al. 2000).
- Remain: *Sloanea elliptica* (Andreánszky) Z. Kvaček et Hably (KVAČEK et al. 2001).

Remains: *Cedrelospermum aquense* (Saporta) Saporta, *Cedrelospermum flichei* (Saporta) Hably et Thiébaud (HABLY and THIÉBAUD 2002).

Remain: *Sloanea elliptica* (Andreánszky) Z. Kvaček et Hably (TAMÁS and HABLY 2005).

Strata: clay, Tard Clay Formation.

Deposited at: BP, MM, MÁFI.

Eger: Vécsey-völgy

Remains: *Calyx quadripartitus* Andreánszky = *Tetrapterys harpyiarum* Unger, *Carya ventricosa* (Sternberg) Al. Braun = non *Carya*, *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Castanopsis* sp., *Cinnamomum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cupanites neptuni* (Unger) Schimper = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Dryophyllum* sp., Lauraceae, Leguminosae, *Litsea* cf. *laeta* (Wallich) Bentham et Hooker, *Myrica longifolia* Unger, *Neolitsea* cf. *intermedia* Merrill, *Pinus* sp. *aciculis binis*, Sapindaceae, *Zizyphus zizyphoides* (Unger) Weyland (ANDREÁNSZKY 1965b).

Remain: *Tetrapterys harpyiarum* Unger (HABLY and MANCHESTER 2000).

Strata: clay.

Deposited at: BP.

Noszvaj: Herceg-oldal

Remains: *Anonaceaphyllum budense* Andreánszky, *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Cinnamomum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cunonia oligocaenica* Andreánszky et Novák = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Engelhardtia brongniarti* Saporta = *Engelhardtia macroptera* (Brongniart) Unger, Leguminosae, *Pinus* sp. *aciculis binis*, Sapindaceae, Sapotaceae, *Sequoia couttsiae* Heer, *Sequoia langsdorfii* (Brongniart) Heer, *Thouinia* cf. *australis* Richard = *Engelhardtia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Zizyphus zizyphoides* (Unger) Weyland (ANDREÁNSZKY 1965b).

Remain: *Zelkova ungeri* Kováts = *Quercus* sp. (ANDREÁNSZKY 1967a).

Remain: *Engelhardtia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Strata: clay.

Deposited at: BP, MÁFI.

Noszvaj: Nagyimány

Remains: *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, Sapotaceae, *Sassafras primid* = *Eotrigonobalanus furcinervis* (Rossmässler) Walther et Kvaček, *Castanopsis* sp., *Cupanites neptuni* (Unger) Schimpergenium Saporta (ANDREÁNSZKY 1965b).

Strata: clay.

Deposited at: BP.

UPPER OLIGOCENE
EGERIAN

Andornaktálya

Remains: *Carpinus* sp., cf. *Castanopsis toscana* (Bandulska) Kräusel et Weyland, *Daphnogene cinnamomifolia* (Brongniart in Cuvier) Unger, *Daphnogene lanceolata* Unger, *Daphnogene bilinica* (Unger) Kvaček et Knobloch, *Daphnogene* sp., *Dicotylophyllum* sp., *Laurophyllum* cf. *acutumontanum* Mai, *Laurophyllum* sp., "*Laurus*" *princeps* Heer, *Laurus* sp., *Leguminocarpon* sp., *Magnolia* cf. *dianae* Unger, cf. *Myrica* sp., *Palaeocarya orsbergensis* (Wessel et Weber) Jählichen, Friedrich et Takáč = *Engelhardia orsbergensis* (Wessel et Weber) Jählichen, Mai et Walther, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, cf. *Quercus apocynophyllum* Ettingshausen, "*Rhamnus*" *warthae* Heer, *Spirematospermum wetzleri* (Heer) Chandler, *Tetraclinis salicornioides* (Unger) Kvaček, *Ulmus pyramidalis* Goeppert (HABLY 1993).

Remain: "*Rhamnus*" *warthae* Heer (HABLY 2001a).

Strata: sandy clay.

Deposited at: BP.

Csörög

Remains: *Acer trilobatum* Al. Braun = *Acer tricuspidatum* Bronn, *Anonaphyllum* sp., *Asplenium csörögiense* Andreánszky sp. nov., *Asplenium* sp. cf. *Asplenium mexicanum* Martens et Galeotti = *Asplenium matrense* Andreánszky, *Carpinus grandis* Unger, *Cinnamomum polymorphum* (Al. Braun) Heer = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Engelhardia brongniarti* Saporta = *Engelhardia macroptera* (Brongniart) Unger, *Juglans* sp., *Laurus protodaphne* Saporta, Leguminosae, *Lygodites bipartitus* Andreánszky, *Magnolia* cf. *inglefieldi* Heer, *Mimusops hungarica* Andreánszky sp. nov., *Myrica lignitum* (Unger) Saporta, *Myrica* sp., *Persea braunii* Heer, *Pinus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Rhamnus rosmaessleri* Unger, *Sapindus falcifolius* Al. Braun, *Sequoia langsdorfii* (Brongniart) Heer, *Ulmus plurinervia* Unger (VITÁLIS and ZILAHY 1952).

Remain: *Lygodites bipartitus* Andreánszky sp. nov. (ANDREÁNSZKY 1952).

Remain: *Asplenium matrense* Andreánszky sp. nov. (ANDREÁNSZKY 1956).

Remain: *Platanus aceroides* Goeppert (ANDREÁNSZKY 1965a).

Remain: *Engelhardia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Remain: *Palaeocarya macroptera* (Brongniart) Jählichen, Friedrich et Takáč = *Engelhardia macroptera* (Brongniart) Unger (HABLY 1990b).

Strata: sandy clay, Kovačov Formation.

Deposited at: BP.

Eger: Wind brickyard

Remain: *Tuzsonia hungarica* Andreánszky gen. et sp. nov. (ANDREÁNSZKY 1949b).

Remains: *Osmunda lignitum* (Giebel) Stur, *Trichomanes radicans* Swartz (ANDREÁNSZKY 1949a).

Remains: *Acer crenatifolium* Ettingshausen, *Acer integrilobum* Weber, *Acer trilobatum* Al. Braun = *Acer tricuspdatum* Bronn, *Aspidum* sp., *Comptonia* sp., *Juglans ungeri* Heer, *Lastraea oeningensis* Al. Braun, *Laurus grandifolia* Ettingshausen, *Leguminocarpon egerense* Pálfalvy sp. nov., *Leguminocarpon legányii* Pálfalvy sp. nov., *Leguminocarpon rectissimum* Pálfalvy sp. nov., *Leguminocarpon regeli* Heer, *Osmunda lignitum* (Giebel) Stur, *Pinus taedaeformis* (Unger) Heer, *Pteris parschlugiana* Unger, *Quercus gigantum* Ettingshausen = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde, *Quercus platania* Heer, *Rhamnus warthae* Heer, *Sabal* sp., *Sequoia couttsiae* Heer, *Ulmus longifolia* Unger (PÁLFALVY 1951).

Remains: *Blechnum braunii* Ettingshausen, *Lygodites bipartitus* Andreánszky (ANDREÁNSZKY 1952).

Remains: *Banisteriacarpum papilio* Andreánszky var. nov., *Callitrites brongniartii* Endlicher, *Cedrela macrophylla* Andreánszky sp. nov., *Equisetum braunii* Unger ex Heer, *Equisetum* cf. *maximum* L., *Myrica acutiloba* var. *dentata* Andreánszky var. nov., *Myrica* cf. *aethiopia* L., *Myrica* (*Comptonia*) *grandifolia* Andreánszky sp. nov., *Myrica hakeaefolia* (Unger) Saporta, *Myrica* cf. *javanica* Blume, *Myrica lignitum* (Unger) Saporta, *Myrica longifolia* Unger, *Myrica onocleaefolia* Andreánszky sp. nov., *Myrica vindobonensis* (Ettingshausen) Heer, *Phoenicites legányii* Andreánszky sp. nov., *Phoenicites* sp., *Sassafras* sp., *Talauma egerensis* Andreánszky n. sp., *Tetrastigmophyllum hungaricum* Andreánszky (ANDREÁNSZKY 1955a).

Remain: *Carya falcata* Andreánszky sp. nov. (ANDREÁNSZKY 1956).

Remains: *Acer crenatifolium* Ettingshausen, *Acer ?decipiens* Al. Braun, *Acer hungaricum* Andreánszky, *Acer integrilobum* Weber, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Actinodaphne germari* Heer, *Alnus kefersteini* Unger, *Alnus* sp., *Apocynophyllum* sp., *Artocarpus* sp., *Asplenium* cf. *egedense* Andreánszky, *Banisteriacarpum papilio* Andreánszky, *Berchemia multinervis* Al. Braun, *Blechnum braunii* Ettingshausen, *Calamus noszkyi* Jablonszky, *Callicoma* sp., *Calocedrus* (*Libocedrus*) *salicornioides* (Unger) Pálfalvy comb. nov. = *Tetraclinis salicornioides* (Unger) Kvaček, *Comptonia* sp., *Carpinus grandis* Unger, *Carya falcata* Andreánszky, *Carya serraefolia* (Goepfert) Kräusel, *Cassia phaseolites* Unger, *Cassia* sp., *Castanopsis decheni* (Weber) Kräusel et Weyland, *Castanopsis* sp., *Cedrela macrophylla* Andreánszky, *Cercis parvifolia* Lesquereux, *Cercis* sp., *Cinnamomophyllum lanceolatum* (Unger) Heer sensu Hantke = *Daphnogene lanceolata* Unger, *Cinnamomophyllum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cinnamomum buchii* Heer, *Cinnamomum polymorphum* (Al. Braun) Kräusel et Weyland = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cinnamomum sezannense* Saporta, *Cinnamomum spectabile* Heer = *Daphnogene spectabile* (Heer) Knobloch, *Cornus studeri* Heer, *Cupania* sp., *Cyrilla* sp., *Dalbergia mecsekensis* (Andreánszky) Pálfalvy, *Dalbergia* sp., *Daphnogene septimontana* Weyland, *Diospyros* sp. 1, 2, 3, *Dodonia* sp., *Elaeocarpus* sp., *Engelhardia macroptera* (Brongniart) Unger, *Equisetum braunii* Unger, *Equisetum* sp., cf. *Eugenia haeringiana* Unger, *Fagus ?deucalionis* Unger, *Ficus crenulata* Saporta, *Ficus* sp. 1, 2, *Gleichenia* sp., *Glyptostrobus europaeus* (Brongniart) Heer, *Ilex* sp. 1, 2, *Juglans ungeri* Heer, *Juglans* sp., *Lastraea oeningensis* Al. Braun, *Laurus primigenia* Unger, *Laurus* sp., *Leucothoe protogaea* (Unger) Saporta, *Litsea magnifica* Saporta, *Litsea* sp., *Lygodium gaudini* Heer, *Maba* sp., *Maesa protogaea* Ettingshausen, *Magnolia diana* Unger, *Magnolia* sp., ?*Manicaria formosa* Heer, cf. *Marinda proserpinae* Unger, Mycophyta, *Myrica acutiloba* (Sternberg) Schimper, *Myrica acutiloba* var. *dentata* Andreánszky, *Myrica angustissima* Wat., *Myrica* (*Comptonia*) *dryandraefolia* Brongniart, *Myrica* (*Comptonia*) *dryandroides* Unger, *Myrica elegans* Ettingshausen, *Myrica* (*Comptonia*) *grandifolia* (Unger) Andreánszky, *Myrica hakeaefolia* (Unger) Saporta, *Myrica lignitum* (Unger) Saporta, *Myrica longifolia* Unger, *Myrica onocleaefolia* Andreánszky, *Myrica vindobonensis* (Ettingshausen) Heer, *Nelumbium* sp., *Osmunda heeri* Gaudin, *Osmunda lignitum* (Giebel) Stur, *Palmacites demonorops* (Unger)

Heer, *Pasania* sp., *Persea speciosa* Heer, *Pinus palaeostrobus* Ettingshausen, *Pinus taedaeformis* (Unger) Heer, *Pinus* cf. *tuzsoni* Novák, *Phoebe* sp., ?*Phoenicites legányii* Andreánszky, *Podocarpus* sp., *Podogonium oeningense* (Koenig) Kirchner, *Pteris* sp., *Pterocarya* sp., *Quercus drymeja* Unger, *Quercus elena* Unger, *Quercus gigantum* Ettingshausen = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde, *Quercus goepperti* Weber, *Quercus nerifolia* Al. Braun, *Quercus nervosa* Saporta, *Quercus platania* Heer, *Quercus* cf. *subfalcata* Friedrich, *Quercus* sp., *Rhamnus gaudini* Heer, *Rhamnus warthae* Heer, *Rhus* sp., *Robinia elliptica* Saporta, *Robinia* sp., *Sabal haeringiana* Unger, *Sabal major* Unger, *Salix kicktoni* Weyland, *Salix* sp., *Sapindus radobojanus* Unger, *Sapotacites* sp., *Sassafras* sp., *Sequoia couttsiae* Heer, *Smilax grandifolia* Unger, *Smilax* sp., *Spirematospermum wetzleri* (Heer) Chandler, *Sterculia labrusca* Unger, *Stereisporites stereoides* (R. Pot. Venitz) Th. Pf., *Styrax* sp., *Symplocos lignitarum* Quenstedt, *Symplocos* sp. 1, 2, *Talauma egerensis* Andreánszky, *Taxodium dubium* (Sternberg) Heer, *Terminalia radobojensis* Unger, *Tetraclinis brongniarti* Endlicher = *Tetraclinis brachyodon* (Bronqniart) Mai et Walther, *Tetrastigmophyllum hungaricum* Andreánszky, *Trichomanes radicans* Swartz, *Tuzsonia hungarica* Andreánszky, *Typha latissima* Al. Braun, *Ulmus braunii* Heer, *Ulmus longifolia* Unger, *Ulmus* sp., *Viburnum* sp., *Vitis* sp., *Woodwardia roessneriana* (Unger) Heer, *Woodwardites* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zizyphus zizyphoides* (Unger) Weyland (NAGY and PÁLFALVY 1960).

Remains: *Acer agriense* Andreánszky sp. nov. = *Tetracentron agriense* (Andreánszky) Kvaček et Hably, *Alnus oligocaenica* Andreánszky sp. nov., *Arbutus preunedo* Andreánszky sp. nov., *Berchemia cuneata* Andreánszky sp. nov., *Castanopsis callicomaeifolia* Andreánszky sp. nov. = *Dryophyllum callicomifolium* (Andreánszky) Kvaček et Hably, *Ficus agriensis* Andreánszky sp. nov., *Leguminocarpon machaeroides* Andreánszky sp. nov., *Litsea euophylla* Andreánszky sp. nov., *Myrica macrodonta* Andreánszky sp. nov., *Quercus agriensis* Andreánszky sp. nov. = *Dryophyllum callicomifolium* (Andreánszky) Kvaček et Hably, *Rhamnus angustifrons* Andreánszky sp. nov., *Rhus succedanoides* Andreánszky sp. nov. (ANDREÁNSZKY 1962).

Remains: *Acer agriense* Andreánszky = *Tetracentron agriense* (Andreánszky) Kvaček et Hably, *Acer hungaricum* Andreánszky = *Acer tricuspdatum* Bronn, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus* cf. *nepalensis* Don, *Alnus oligocaenica* Andreánszky, *Alnus* cf. *sporadum* Unger var. *phocaeensis* Saporta, *Alnus* sp., *Apocynophyllum* sp. 1, 2, *Arbutus praunedo* Andreánszky, *Asplenium egedense* Andreánszky, *Banisteriaecarpum papilio* Andreánszky, *Berchemia cuneata* Andreánszky, *Blechnum braunii* Ettingshausen, *Callicoma* sp., *Callistemon* cf. *lanceolatus* Swartzet, *Callitrites brongniarti* Endlicher, *Carpinus grandis* Unger = *Ulmus pyramidalis* Goeppert, *Carya falcata* Andreánszky, *Castanopsis callicomaeifolia* Andreánszky = *Dryophyllum callicomifolium* (Andreánszky) Kvaček et Hably, *Castanopsis furcinervis* (Rossmässler) Kräusel et Weyland, *Castanopsis* sp., *Cedrela macrophylla* Andreánszky, *Cinnamomophyllum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Cinnamomum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Clethra* cf. *barbinervis* Siebold et Zuccarini, *Cornus büchii* Heer, *Cunonia oligocaenica* Andreánszky = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Diospyros* cf. *atra* Merrill, *Diospyros brachysepala* Al. Braun, *Dodonaea salicoides* Andreánszky, *Elaeocarpus europaeus* Ettingshausen, *Elaeocarpus palaeolanceolatus* Kolakovskij = "*Rhamnus*" *warthae* Heer, *Engelhardtia brongniarti* Saporta = *Engelhardtia macroptera* (Bronqniart) Unger, *Equisetum braunii* Unger, *Equisetum* cf. *maximum* L., *Ficus adhatodaeformis* Andreánszky et Novák, *Ficus agriensis* Andreánszky, *Ficus latsonoides* Andreánszky, *Juglans* cf. *cinerea* L., *Juglans* cf. *regia* L., *Lastraea* cf. *oeningensis* (Al. Braun) Heer, *Laurus primigenia* Unger, *Lithocarpus colchica* Kolakovskij, *Lithocarpus dedilineris*

Andreánszky et Kovács, *Lithocarpus* sp. 1, 2, *Litsea euryphylla* Andreánszky, *Litsea* cf. *laeta* (Wallich) Benth et Hooker, *Litsea* cf. *terza* (L.) Merrill, *Lomatites aquensis* Saporta, *Magnolia* cf. *acuminata* L., *Magnolia* cf. *dealbata* Siebold et Zuccarini, *Magnolia* cf. *grandiflora* L., *Magnolia* cf. *pundulana* Wallich, *Myrica* (*Comptonia*) *acutiloba* Brongniart, *Myrica* cf. *aethiopica* L., *Myrica* (*Comptonia*) *grandis* Andreánszky, *Myrica hakeaefolia* (Unger) Saporta, *Myrica* cf. *javanica* Blume, *Myrica lignitum* (Unger) Saporta, *Myrica longifolia* Unger, *Myrica macrodonta* Andreánszky, *Myrica matheronii* Saporta = *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Myrica onocleaefolia* Andreánszky, *Myrica vindobonensis* (Ettingshausen) Heer, *Neolitsea* cf. *intermedia* Merrill, *Osmunda lignitum* (Giebel) Stur, *Osmunda parschlugiana* (Unger) Andreánszky, *Oreodaphne* cf. *foetens* (Aiton) Nees, *Persea* cf. *indica* (L.) Sprengel, *Phoenicites legányii* Andreánszky, *Phoenicites* sp., *Pinus palaeostrobis* Ettingshausen, *Pinus taedaeformis* (Unger) Heer, *Pirus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus agriensis* Andreánszky, *Quercus* cf. *bourgaei* Oerst., *Quercus crassipetiolata* Andreánszky et Kovács = *Dryophyllum callicomifolium* (Andreánszky) Kvaček et Hably, *Quercus gigantum* Ettingshausen = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde, *Quercus legányii* Andreánszky et Kovács = *Dryophyllum callicomifolium* (Andreánszky) Kvaček et Hably, *Quercus palaeofournieri* Andreánszky et Kovács, *Quercus salicina* Saporta, *Quercus tenerrima* Weber, *Quercus tenuipetiolata* Andreánszky, *Rhamnus angustifrons* Andreánszky, *Rhamnus deletus* Heer, *Rhamnus* cf. *purshiana* De Candolle, *Rhamnus warthae* Heer, *Rhamnus* sp. 1 = "*Rhamnus*" *warthae* Heer, *Rhus* cf. *glabra* L., *Rhus succedanoides* Andreánszky, *Salix arcinervia* Weber, *Salix lavateri* Heer, *Salix varians* Goeppert, *Sassafras lobata* Saporta, *Sequoia couttsiae* Heer, *Sequoia langsdorfii* (Brongniart) Heer, *Smilax* cf. *china* L., *Smilax grandifolia* (Unger) Heer, *Styrax* cf. *japonica* Siebold et Zuccarini = "*Rhamnus*" *warthae* Heer, *Symplocarpum* sp., *Symplocos* cf. *phanerophabia* Merrill, *Symplocos* cf. *rubiginosa* Wallich, *Talauma egerensis* Andreánszky, *Terminalia* sp. 1, 2, 3, *Tetrastigmophyllum hungaricum* Andreánszky, *Trichomanes radicans* L., *Tuzsonia hungarica* Andreánszky, *Ulmus* sp. 1, 2, 3, 4, 5, *Zizyphus zizyphoides* (Unger) Weyland (ANDREÁNSZKY 1966a).

Remains: *Blechnum dentatum* (Goeppert) Al. Braun, *Pronephrium stiriacum* (Unger) Knobloch et Kvaček (PÁLFALVY 1980).

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Remain: *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček (HABLY 1985c).

Remains: *Acer tricuspdatum* Bronn, *Alnus oligocaenica* Andreánszky, "*Arbutus*" *praeunedo* Andreánszky, *Asplenium egedense* Andreánszky, *Blechnum dentatum* (Goeppert) Al. Braun, *Calamus noszkyi* Jablonszky, *Cedrela macrophylla* Andreánszky, *Comptonia dryandroides* Unger, *Daphnogene cinnamomifolia* (Brongniart in Cuvier) Unger, *Dryophyllum callicomifolium* (Andreánszky) Kvaček et Hably comb. nov., "*Elaeocarpus*" *europaeus* Ettingshausen, *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Equisetum* sp. div., "*Ficus*" *latsonoides* Andreánszky, *Fraxinus* sp., *Ilex ?andreánszkyi* Kvaček et Hably sp. nov., *Laurophyllum* sp. div., *Leguminocarpon* sp. div., *Leguminosites* sp. div., cf. *Lithocarpus saxonicus* Walther et Kvaček in Kvaček et Walther, *Myrica longifolia* Unger, cf. *Myrica integerrima* Kräusel et Weyland, *Osmunda lignitum* (Giebel) Stur, *Pinus* sp., *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Pronephrium stiriacum* (Unger) Knobloch et Kvaček, "*Quercus*" *cruciata* Al. Braun, *Quercus rhenana* (Kräusel et Weyland) Knobloch et Kvaček, "*Rhamnus*" *warthae* Heer, *Rosa lignitum* Heer, *Sabal major* (Unger) Heer, *Sassafras lobatum* (Saporta) Andreánszky, *Sequoia couttsiae* Heer, *Smilax weberi* Wessel in Wessel et Weber, *Spirematospermum wetzleri* (Heer) Chandler,

"*Talauma*" *egerensis* Andreánszky, *Tetracentron agriense* (Andreánszky) Kvaček et Hably comb. nov., *Tetraclinis* sp., *Tuzsonia hungarica* Andreánszky, *Ulmus fischeri* Heer, *Ulmus pseudopyramidalis* Kvaček et Hably sp. nov., *Ulmus pyramidalis* Goepfert, *Ulmus* sp., ?"*Viburnum*" *atlanticum* Ettingshausen, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba in Kotlaba, *Zizyphus zizyphoides* (Unger) Weyland (KVAČEK and HABLY 1991).

Remains: *Leguminocarpon* type 1, 2, 3, 4 (HABLY 1992d).

Remain: *Acer tricuspidatum* Bronn (KOVAR-EDER et al. 1994).

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, (KOVAR-EDER et al. 1996).

Remain: *Berberis andreanszkyi* Kvaček et Erdei (HABLY et al. 2000).

Remain: "*Rhamnus*" *warthae* Heer (HABLY 2001a).

Remains: *Ulmus pseudopyramidalis* Kvaček et Hably, *Ulmus pyramidalis* Goepfert, *Ulmus fischeri* Heer, *Ulmus* sp. (HABLY and ZASTAWNIK 2001).

Remain: *Berberis andreanszkyi* Kvaček et Erdei sp. nov. (KVAČEK and ERDEI 2001).

Strata: sandy clay, Eger Formation.

Deposited at: BP, MÁFI, MM.

Kesztlöc

Remains: *Alnus kefersteinii* (Goepfert) Unger, *Carpinus grandis* Unger, *Carya serraefolia* (Goepfert) Kräusel, *Cassia ambigua* Unger, *Castanopsis decheni* (Weber) Kräusel et Weyland, *Cedrela macrophylla* Andreánszky, *Cinnamomophyllum polymorphum* (Al. Braun) Kräusel et Weyland = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cinnamomophyllum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Dalbergia* sp., *Engelhardia macroptera* (Brongniart) Unger, *Ilex* sp., *Laurophyllum pseudoprinceps* (Heer) Weyland et Kilpper, *Laurophyllum reussii* (Ettingshausen) Borb., *Leguminocarpon* sp., *Litsea* sp., *Lygodium* cf. *gaudini* Heer, *Magnolia* cf. *dianae* Unger, *Myrica lignitum* (Unger) Saporta, *Myrica* sp., *Pinus* sp., *Pinus taedaeformis* Unger, *Quercus* sp. 1, 2, *Rhamnus* sp., *Sabalites* sp., *Salix* sp., *Sequoia langsdorfii* (Brongniart) Heer, *Sophora europaea* Unger, *Ulmus* cf. *longifolia* Unger (PÁLFALVY 1967).

Remain: *Engelhardia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Remains: cf. *Acer* sp., *Alnus* sp., cf. *Castanopsis toscana* (Bandulska) Kräusel et Weyland, *Daphnogene bilinica* (Unger) Kvaček et Knobloch, *Daphnogene cinnamomifolia* (Brongniart in Cuvier) Unger, *Daphnogene lanceolata* Unger, *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Daphnogene* sp., *Diospyros brachysepala* Al. Braun sensu Hantke, *Laurophyllum* sp., *Leguminocarpon* div. sp., *Palaeocarya orsbergensis* (Wessel et Weber) Jähnichen, Friedrich et Takáč = *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, cf. *Palmae*, *Pinus* sp., *Platanus fraxinifolia* (Johnson et Gilmore) Walther, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, cf. *Pteridophyta*, *Sapindus* sp., *Smilax weberi* Wessel in Wessel et Weber, *Symplocos* sp. = "*Rhamnus*" *warthae* Heer, *Taxodium dubium* (Sternberg) Heer, *Ulmus pyramidalis* Goepfert, *Ulmus* sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HABLY 1988).

Remain: cf. *Castanopsis toscana* (Bandulska) Kräusel et Weyland (HABLY 1990b).

Remains: *Leguminocarpon* type 1, 3 (HABLY 1992d).

Remain: "*Rhamnus*" *warthae* Heer (HABLY 2001a).

Strata: sandy clay, Kovačov Formation.

Deposited at: BP, MÁFI.

Mátraderecske

Remain: *Asplenium matrense* Andreánszky sp. nov. (ANDREÁNSZKY 1956).

Strata: sandy clay.

Deposited at: MM.

Nagysáp

Remains: cf. *Alnus* sp., *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cassia* sp., *Daphnogene cinnamomifolia* (Brongniart in Cuvier) Unger, *Daphnogene lanceolata* Unger, *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Daphnogene* sp., *Laurophyllum* sp., Monocotyledonae gen. et sp., *Pinus* sp., *Platanus fraxinifolia* (Johnson et Gilmore) Walther, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, cf. *Quercus apocynophyllum* Ettingshausen, *Symplocos* sp. = "*Rhamnus*" *warthae* Heer, cf. *Taxodium dubium* (Sternberg) Heer, *Ulmus pyramidalis* Goeppert (HABLY 1989).

Remain: *Alnus* sp. (HABLY 1990b).

Remain: "*Rhamnus*" *warthae* Heer (HABLY 2001a).

Strata: sandy clay.

Deposited at: MÁFI.

Pomáz

Remains: *Daphnogene* sp., *Palaeocarya orsbergensis* (Wessel et Weber) Jählichen, Friedrich et Takáč = *Engelhardia orsbergensis* (Wessel et Weber) Jählichen, Mai et Walther, *Leguminocarpon* sp., *Platanus fraxinifolia* (Johnson et Gilmore) Walther, *Ulmus pyramidalis* Goeppert (HABLY 1990b).

Remain: "*Colutea*" *kvaceki* Hably sp. nov. (HABLY 1991).

Remain: *Leguminocarpon* type I (HABLY 1992d).

Remains: "*Acacia*" *parschlugiana* Unger, "*Carpinus*" fructus, *Cassia* aff. *hyperborea* Unger sensu Heer, cf. *Castanopsis toscana* (Bandulska) Kräusel et Weyland, "*Colutea*" *kvaceki* Hably, "*Dalbergia*" *bella* Heer, *Daphne oeningensis* (Al. Braun) emend. Weyland, *Daphne aquitanica* Ettingshausen, cf. *Daphnogene bilinica* (Unger) Knobloch et Kvaček, cf. *Daphnogene cinnamomifolia* (Brongniart in Cuvier) Unger, cf. *Daphnogene lanceolata* Unger, *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Daphnogene* sp., *Dicotylophyllum* cf. *jungii* Knobloch et Kvaček, *Dicotylophyllum* sp. cf. *Talauma* sp., *Dicotylophyllum* sp. 1, 2, *Laurophyllum* sp., *Laurus princeps* Heer, *Leguminocarpon* sp., cf. *Litsea ipolytarnocense* Hably, cf. *Magnolia mirabilis* Kolakovskij, "*Myrica*" *hakeaefolia* (Unger) Saporta, cf. *Myrica palaeogale* Pilar in Kutuzkina, *Palaeocarya macroptera* (Brongniart) Jählichen, Friedrich et Takáč = *Engelhardia macroptera* (Brongniart) Unger, *Palaeocarya orsbergensis* (Wessel et Weber) Jählichen, Friedrich et Takáč = *Engelhardia orsbergensis* (Wessel et Weber) Jählichen, Mai et Walther, *Platanus fraxinifolia* (Johnson et Gilmore) Walther, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Pronephrium stiriaticum* (Unger) Knobloch et Kvaček, *Quercus apocynophyllum* Ettingshausen, *Quercus elena* Unger sensu Heer, cf. *Quercus nerifolia* Al. Braun sensu Heer, *Quercus* cf. *sexfriedi* Al. Braun ex Heer, "*Rhamnus*" *warthae* Heer, "*Robinia regelii*" Heer, *Rosa lignitum* Heer, cf. *Sequoia abietina* (Brongniart) Knobloch,

cf. *Taxodium dubium* (Sternberg) Heer, *Ulmus* cf. *minuta* Goepfert, *Ulmus pyramidalis* Goepfert, *Wisteria* aff. *fallax* (Nathorst) Tanai et Onoe (HABLY 1994).

Remains: *Daphnogene* sp., *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnich. Mai et Walther, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček (KOVAR-EDER *et al.* 1996).

Remain: "*Rhamnus*" *warthae* Heer (HABLY 2001a).

Strata: clay.

Deposited at: BP.

Pusztaberki

Remain: "*Rhamnus*" *warthae* Heer (HABLY 2001a).

Strata: sandy clay.

Deposited at: BP.

Verőcemasaros

Remain: *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček (HABLY 1980).

Remains: *Acer* sp., cf. *Calamus noszkyi* Jablonszky, *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Daphnogene cinnamomifolia* (Brongniart in Cuvier) Unger, *Daphnogene lanceolata* Unger, *Debeya hungarica* Hably sp. nov., *Myrica banksiaefolia* Unger, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Tilia* sp., *Ulmus* cf. *fischeri* Heer, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HABLY 1982).

Remain: *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček (HABLY 1985c).

Strata: sandy clay, Kovačov Formation.

Deposited at: BP.

Vértesszőlős: Baromállás

Remains: *Adiantum capillus-veneris* L., *Osmunda* sp. (HABLY 1976).

Remain: *Smilax tataensis* Hably et Csaba sp. nov. = *Smilax weberi* Wessel in Wessel et Weber (HABLY and CSABA 1977).

Remain: *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček (HABLY 1985c).

Remains: "*Acacia*" *parschlugiana* Unger, *Acer angustilobum* Heer sensu Hantke, *Acer* sp., *Adiantum capillus-veneris* L., cf. *Betula prisca* Ettingshausen, *Betula* sp. type 1, 2, 3, 4, cf. *Cedrela macrophylla* Andreánszky, *Cephalotaxus harringtonia* (Knight) Koch, *Cinnamomophyllum* sp., *Cornus praeamomum* Kovács, *Cornus* cf. *wrightii* Knowlton, *Cornus* sp., *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Daphnogene cinnamomifolia* (Brongniart in Cuvier) Unger, *Daphnogene lanceolata* Unger, *Daphnogene* sp., *Debeya hungarica* Hably, *Dicotylophyllum* sp. 1, 2, cf. *Juglans acuminata* Al. Braun ex Unger, *Laurophyllum* cf. *acutumontanum* Mai, *Laurophyllum* sp. 1, 2, 3, 4, Leguminosae 1, 2, *Libocedrites salicornioides* (Unger) Endlicher = *Tetraclinis salicornioides* (Unger) Kvaček, *Palmae* sp., *Phyllites skoffeki* Hably sp. nov., *Pinus* sp., *Pinus tuzsoni* Novák, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Quercus* sp. type 1, 2, 3, *Rosa lignitum* Heer, *Sassafras tenuilobatum* Andreánszky, cf. *Sequoia abietina* (Brongniart) Knobloch, *Smilax tataensis* Hably et Csaba = *Smilax weberi*

Wessel in Wessel et Weber, *Sterculia* sp., *Taxodium dubium* (Sternberg) Heer, *Ulmus plurinervia* Unger, *Ulmus pyramidalis* Goepfert, cf. *Wisteria* aff. *fallax* (Nathorst) Tanai et Onoe, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HABLY 1990a).

Remains: *Daphnogene* sp., *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Tetraclinis salicornioides* (Unger) Kvaček (KOVAR-EDER *et al.* 1996).

Strata: sandy clay, Mány Formation.

Deposited at: KDM.

MIOCENE

Eger: Fertő-völgy

Remains: *Acer grosse dentatum* Heer, *Acer trilobatum* Al. Braun = *Acer tricuspdatum* Bronn, *Alnus subcordata* C. A. Meyer, *Amygdalus tuzsoni* Udvarházi sp. nov., *Carpinus grandis* Unger, *Castanea kubinyii* Kováts = *Quercus kubinyii* (Kováts ex Ettingshausen) Czecczott, *Hedera* sp., *Juglans* sp., *Phragmites oeningensis* Al. Braun, *Pinus* sp., *Quercus* sp., *Rhus palaeocotinus* Saporta, *Sapindus radobojanus* Unger, *Tilia subserratifolia* Udvarházi sp. nov., *Ulmus* sp. (UDVARHÁZI 1938).

Strata: rhyolitic tuff.

Deposited at: BP.

Iharosberény: I borehole

Remain: *Acer tricuspdatum* Bronn, cf. *Cassia* sp., *Daphnogene bilinica* (Unger) Kvaček et Knobloch, *Daphnogene cinnamomifolia* (Brongniart in Cuvier) Unger, *Daphnogene* cf. *lanceolata* Unger, *Daphnogene* sp., *Dicotylophyllum* sp., Lauraceae gen. et sp., *Laurophyllum* sp., *Myrica banksiaefolia* Unger, *Palaeocarya orsbergensis* (Wessel et Weber) Jählichen, Friedrich et Takáč = *Engelhardia orsbergensis* (Wessel et Weber) Jählichen, Mai et Walther, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Tetraclinis salicornioides* (Unger) Kvaček, *Ulmus* cf. *pyramidalis* Goepfert, *Ulmus* sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, (HABLY 1992c).

Strata: clay.

Deposited at: BP.

Tar: Drilling No. 34

Remain: *Osmunda heeri* Gaudin (PÁLFALVY 1980).

Strata: clay.

Deposited at: MÁFI.

EGGENBURGIAN

Szászvár

Remains: *Lygodium gaudini* Heer (PÁLFALVY 1980).

Strata: clay.

Deposited at: MÁFI.

Ipolytarnóc

Remains: *Andromeda protogaea* Unger, *Carpinus grandis* Unger, *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cyperites canaliculatus* Heer, *Glyptostrobus europaeus* Heer, *Juglans acuminata* Al. Braun, *Laurus lalages* Unger, *Myrica salicina* Unger, *Palmacites* (?*Sabal*), *Papilionaceae*, *Phyllites* sp., *Pinus* sp. cf. *P. tarnocensis* Tuzson, *Podocarpus eocenica* Unger, *Populus heliadum* Unger, *Rhizocaulon macrophyllum* Saporta, *Tabernaemontana* ? (JABLONSKY 1914).

Strata: sandstone.

Deposited at: MÁFI.

Remain: *Leguminocarpus pachyrhizoides* Rásky sp. nov. (RÁSKY 1964).

Strata: sandstone.

Deposited at: BP.

Remains: *Araceites hungaricus* Rásky, *Carpinus grandis* Unger, *Cyperaceae*, *Cyperites canaliculatus* Heer, *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Daphnogene cinnamomea* (Rossmässler) Knobloch, *Glyptostrobus europaeus* (Brongniart) Unger, *Gramineae*, *Juglans acuminata* Al. Braun, *Laurophyllum* sp. (cf. *Laurus lalages* Unger), *Laurophyllum* sp., *Leguminocarpon pachyrhisoides* Rásky, *Leucothoe protogaea* (Unger) Saporta, *Magnolia* cf. *dianae* Unger, *Myrica banksiaefolia* Unger = *Engelhardia orsbergensis* (Wessel et Weber) Jählichen, Mai et Walther, *Myrica lignitum* (Unger) Saporta, *Myrica salicina* Unger, *Myrica serotina* (Heer) Hantke, *Palmacites* sp. (?*Sabal*), *Phragmites oeningensis* Al. Braun, *Pinus* sp. 1, 2, 3, 4, *Populus* cf. *populina* (Brongniart) Knobloch, *Salix* cf. *angusta* Al. Braun, cf. *Ulmus pyramidalis* Goeppert, *Ulmus* sp. (PÁLFALVY 1976a).

Remains: *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Engelhardia orsbergensis* (Wessel et Weber) Jählichen, Mai et Walther, *Laurophyllum* div. sp., *Leguminocarpus pachyrhisoides* Rásky, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Ulmus pyramidalis* Goeppert (HABLY 1985a).

Strata: sandstone.

Deposited at: MÁFI.

OTTNANGIAN

Ipolytarnóc

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Anona elliptica* Unger, *Calamus noszkyi* Jablonszky sp. nov., *Cercis antiqua* Saporta, *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Dryopteris kummerlei* Jablonszky sp.

nov., *Echitonium obovatum* Unger, cf. *Eucalyptus grandifolia* Ettingshausen, *Euonymus* sp., *Ficus lobkowitzii* Ettingshausen, *Ficus urani* Ettingshausen, *Fraxinus* cf. *primigenia* Unger, *Hicoria bilinica* (Unger) Jablonszky comb. nov. = *Cyclocarya cyclocarpa* (Schlechtendal) Knobloch, *Juglans parschlugiana* Unger, *Laurus fürstenbergi* Al. Braun, *Leucothoe narbonnensis* Saporta, *Libocedrus salicornioides* (Unger) Heer = *Tetraclinis salicornioides* (Unger) Kvaček, *Magnolia diana* Unger, *Magnolia* sp., *Myrica acuminata* Unger, *Myrica banksiaefolia* Unger = *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Myrica lignitum* (Unger) Saporta, *Pinus tarnocensis* Tuzson, *Pterocarya massalongi* Gaudin, *Quercus* cf. *kutschlinica* Ettingshausen, *Rhamnus deperdita* Unger, cf. *Rhamnus prototypus* Unger, *Salix varians* Goepfert, *Sapotacites bilinicus* Ettingshausen (JABLONSZKY 1914).

Remains: *Acanthopanax* div. sp., *Acer trilobatum* Al. Braun = *Acer tricuspdatum* Bronn, *Actinodaphne* sp., *Alphonsea* div. sp., *Anaclosa protofrutescens* Rásky, *Antholites araliaeformis* Rásky, *Antholites leguminosoides*, *Araceophyllum* div. sp., *Araceospadix* sp., *Aralia ilicifolia* Saporta, *Asplenium* sp., *Barringtonia* sp., *Calamus noszkyi* Jablonszky, *Castanopsis toscana* (Bandulska) Kräusel et Weyland, *Castanopsis* sp., *Cinnamomophyllum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Dalbergia* div. sp., *Dehaasia* sp., *Diospyros brachysepala* Al. Braun, *Diospyros rugosa* Saporta, *Diospyros* sp., *Dryopteris kimmerlei* Jablonszky, *Elaeocarpus* sp., *Eugenia* sp., *Euonymus* sp., *Ficus persephones* Ettingshausen, *Ficus* div. sp., *Heyderia salicornioides* (Unger) Rásky, *Heyderiaestrobos salicornioides* (Endlicher) Rásky, *Ilex rottensis* Weyland, *Illicium flegeli* Weyland, *Kadsura breddini* Weyland, *Kadsura protowightiana* Rásky, *Kadsura* sp., *Lastraea stiriaca* (Unger) Heer, *Laurocarpum* sp., *Laurus primigenia* Unger, *Leguminocarpum* sp., *Licuala* sp., *Lindera stenophylla* (Ettingshausen) Rásky, *Lindera styracifolia* (Weber) Rásky, *Lindera* div. sp., *Litsea grandifolia* (Ettingshausen) Rásky, *Litsea magnifica* Saporta, *Litsea mülleri* Friedrichthal, *Litsea* div. sp., *Lobaria jablonszkyi* Rásky sp. nov., *Macropanax* sp., *Magnolia attenuata* Weber, *Magnolia diana* Unger, *Magnolia ludwigii* Ettingshausen, *Magnolia* div. sp., *Magnoliaestrobos hungaricus* Rásky, *Magnoliaestrobos noszkyi* (Jablonszky) Rásky, *Manglietia* sp., *Meliosma* sp., *Memecylon* sp., *Michelia* sp., *Muscites* sp., *Myrica lignitum* (Unger) Saporta = *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Myrsine formosa* Heer, *Orophaea* sp., *Osmanthus diana* (Ettingshausen) Rásky, *Persea* sp., *Phoebe* div. sp., *Pinuphyllum* sp. 1, 2, *Pinustrobos* sp., *Pinuxylon tarnocziense* (Tuzson) Kräusel, *Piper* sp., *Pittosporum* sp., *Polyalthia* div. sp., *Pterocarya denticulata* (Weber) Heer = *Cyclocarya cyclocarpa* (Schlechtendal) Knobloch, *Quercus armata* Saporta, *Quercus cruciata* Al. Braun = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde, *Quercus neriiifolia* Al. Braun, *Quercus oligodonta* Saporta = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde, *Sabal haeringiana* Unger = *Sabal major* Unger, *Sabal major* Unger, *Sapindus* sp., *Sapotacites delprati* Crié, *Sapotocarpum* sp., *Saurus* sp., *Schefflera gaudini* (Saporta) Rásky, *Schefflera protolucescens* Rásky, *Schefflera protomicrophylla* Rásky, *Schefflera protomulticaulis* Rásky = *Oreopanax protomulticaulis* (Rásky) Hably, *Schefflera* div. sp., *Scolopia protoluzonensis* Rásky, *Scolopiaephyllum* sp., *Smilax franklini* Heer = *Smilax weberi* Wessel, *Smilax obtusifolia* Heer = *Smilax weberi* Wessel, *Smilax* div. sp., *Symplocos* div. sp., *Talauma* div. sp., *Terminalia* sp., *Tricalysia protojavanica* Rásky, *Woodwardites roessnerianus* Unger = *Woodwardia muensteriana* (Presl) Kräusel, *Xerospermum* sp. (RÁSKY 1959).

Remains: *Acer trilobatum* Al. Braun = *Acer tricuspdatum* Bronn, *Araceites hungaricus* Rásky sp. nov., *Araceophyllum tarnocense* Rásky sp. nov., *Calamus noszkyi* Jablonszky, *Diospyros rugosa* Saporta, *Lobaria jablonszkyi* Rásky, *Magnoliaestrobos hungaricus* Rásky, *Quercus cruciata* Al. Braun = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde, *Quercus*

piligera Caspary, *Sabal major* (Unger) Heer, *Woodwardia praeradicans* Berry = *Woodwardia muensteriana* (Presl) Kräusel (RÁSKY 1964).

Remains: *Centroplacophyllum palaeoglaucinum* Rásky gen. et sp. nov. = *Laurophyllum heeri* (Ettingshausen) Knobloch, *Erythrospermophyllum ipolytarnocense* Rásky sp. nov., *Omphaleaephyllum ipolytarnocense* Rásky sp. nov. (RÁSKY 1965).

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Remains: *Acer tricuspidatum* Bronn, *Andromeda* sp., *Araceites hungaricus* Rásky, *Araceophyllum tarnocense* Rásky, *Calamus noszkyi* Jablonszky, *Carya bartkői* Hably sp. nov., *Cassia hyperborea* Unger, *Cassia stenophylla* Heer, *Cyclocarya cyclocarpa* (Schlechtendal) Knobloch, *Daphne oeningensis* Al. Braun emend. Weyland, *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Daphnogene cinnamomeifolia* (Brongniart) Bronn, *Daphnogene cinnamomifolia* (Brongniart) Unger, *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Daphnogene spectabile* (Heer) Knobloch, *Diospyros brachisepala* Al. Braun, cf. *Diospyros rugosa* Saporta, *Dryophyllum furcinerve* (Rossmässler) Schmärlhausen, *Dryopteris kümmerlei* Jablonszky, *Elaeocarpus palaeolanceolatus* Kolakovskij, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Erythrospermophyllum ipolytarnocense* Rásky, *Kadsura protowightiana* Rásky, *Laurophyllum heeri* (Ettingshausen) Nemejc et Knobloch, *Laurophyllum pseudoprinceps* Weyland et Kilpper, *Laurophyllum* cf. *villense* (Weyland et Kilpper) Kvaček et Bůžek, "*Laurus*" *primigenia* Unger, *Laurus princeps* Heer, *Libocedrites salicornioides* (Unger) Endlicher = *Tetraclinis salicornioides* (Unger) Kvaček, *Litsea ipolytarnociense* Hably sp. nov., *Lobaria jablonszkyi* Rásky, *Magnolia diana* Unger, *Magnolia kristinae* Knobloch et Kvaček, *Magnolia mirabilis* Kolakovskij, *Magnoliaestrobis hungaricus* Rásky, *Magnoliaestrobis noszkyi* Rásky, *Mahonia* sp., "*Myrica*" *hakeaefolia* Saporta, *Myrtophyllum* sp., *Oreopanax protomulticaulis* (Rásky) Hably comb. nov., *Persea braunii* Heer, *Persea speciosa* Heer, *Pinus saturni* Unger, *Pinus* sp., *Pinuxylon tarnocziense* (Tuzson) Kräusel, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Podogonium oeningense* (Koenig) Kircheimer, *Pronephrium stiriacum* (Unger) Knobloch et Kvaček, *Quercus apocynophyllum* Ettingshausen, "*Quercus*" *cruciata* Al. Braun = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde, *Sabal major* (Unger) Heer, *Schefflera gaudini* (Saporta) Rásky, *Schefflera protolucescens* Rásky, *Smilax aspera* L., *Smilax borsodensis* Andreánszky, *Smilax weberi* Wessel, *Smilax* sp., *Spiraea* sp. 1, 2, *Tricalysia protojavaica* Rásky, *Woodwardia muensteriana* (Presl) Kräusel (HABLY 1985a).

Remains: *Calamus noszkyi* Jablonszky, *Cyclocarya cyclocarpa* (Schlechtendal) Knobloch, *Daphne oeningensis* Al. Braun emend. Weyland, *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Daphnogene cinnamomeifolia* (Brongniart) Bronn, *Daphnogene cinnamomifolia* (Brongniart) Unger, *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Daphnogene spectabile* (Heer) Knobloch, *Dryophyllum furcinerve* (Rossmässler) Schmärlhausen, *Elaeocarpus palaeolanceolatus* Kolakovskij, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Laurophyllum heeri* (Ettingshausen) Nemejc et Knobloch, *Laurophyllum pseudoprinceps* Weyland et Kilpper, "*Laurus*" *primigenia* Unger, *Laurus princeps* Heer, *Litsea ipolytarnociense* Hably, *Magnolia diana* Unger, *Magnolia mirabilis* Kolakovskij, *Myrtophyllum* sp., *Persea braunii* Heer, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, "*Quercus*" *cruciata* Al. Braun = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde, *Sabal major* (Unger) Heer, *Spiraea* sp. (HABLY 1986b).

Remain: *Acer tricuspidatum* Bronn (KOVAR-EDER et al. 1994).

Remains: *Daphnogene* sp., *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Platanus neptuni* (Ettingshausen) Bůžek, Holý et Kvaček, *Tetraclinis salicornioides* (Unger) Kvaček (KOVAR-EDER et al. 1996).

Strata: rhyolitic tuff, Gyulakeszi Rhyolitic tuff Formation.
Deposited at: BP, MÁFI, Pásztó.

Kisterenye

Remains: *Juglans* sp., *Quercus gigantum* Ettingshausen = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde (JÓZSA-CZÁR 1955a).

Strata: rhyolitic tuff, Gyulakeszi Rhyolitic tuff Formation.
Deposited at: unknown.

Magyaregregy: Almás-dűlő

Remains: *Carpinus* sp., *Cinnamomum polymorphum* (Al. Braun) Fries = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cinnamomum scheuchzeri* (Heer) Fries = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cinnamomum* sp. = *Daphnogene* sp., *Laurus* sp., Leguminosae sp., *Liquidambar europaea* Al. Braun, *Liquidambar protensum* Unger, *Myrica lignitum* (Unger) Saporta, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Salix angusta* Al. Braun (PÁLFALVY 1953a).

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Strata: clay marl.
Deposited at: MÁFI.

Salgótarján

Remains: *Lastraea stiriaca* Unger = *Pronephrium stiriacum* (Unger) Knobloch et Kvaček, *Laurus* sp., *Myrica lignitum* (Unger) Saporta, *Phragmites oeningensis* Al. Braun, *Salix angusta* Al. Braun, *Salix varians* Goepfert, *Typha* sp. (RÁSKY 1958a).

Locality: Teréz-táró, Károly-akna.

Strata: coal underlayer, clay.

Deposited at: unknown.

Remains: *Alnus* sp., *Antholites* sp., *Carpinus grandis* Unger, *Carpolithes* gen. et sp. div., *Cinnamomophyllum polymorphum* (Al. Braun) Kräusel et Weyland = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cinnamomophyllum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cinnamomum spectabile* Heer = *Daphnogene spectabile* (Heer) Knobloch, *Daphnogene lanceolata* Unger, *Equisetum* sp., *Juglans acuminata* Al. Braun, *Laurus primigenia* Unger, *Myrica lignitum* (Unger) Saporta, *Phoenicites* sp., *Phragmites oeningensis* Al. Braun, *Pinus* sp., *Pteris* sp., *Rhamnus gaudini* Heer, *Rhamnus warthae* Heer, *Rhus liblarensis* Weyland, *Sabalites* sp., *Salix kicktoni* Weyland, *Salix varians* Goepfert, *Salix wimmeriana* Goepfert, *Salvinia mildeana* Goepfert, *Sequoia langsdorffii* (Brongniart) Heer (RÁSKY 1958a).

Strata: terrestrial sandy clay.

Locality: Vásártéri sand pit.

Deposited at: BP, partly unknown.

Remains: *Blechnum dentatum* (Goeppert) Al. Braun, *Lygodium kaufussi* Heer, *Pronephrium stiriacum* (Unger) Knobloch et Kvaček (PÁLFALVY 1980).

Remain: *Engelhardia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Strata: sandy clay.

Deposited at: MÁFI.

Váralja

Remains: *Leucothoe protogaea* (Unger) Saporta, *Santalum salicinum* Ettingshausen, *Sphaeria interpungens* Heer (STAUB 1882).

Remain: *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Strata: andesitic tuff.

Deposited at: MÁFI, partly unknown.

OTTNANGIAN–KARPATIAN

Abaliget: Kiskő-hegy

Remains: *Ailanthus confucii* Unger, *Cinnamomum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Cinnamomum rosmässleri* Heer, *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Diospyros palaeogaea* Ettingshausen, *Ficus haynaldiana* Staub sp. nov., *Physolobium ettingshauseni* Staub sp. nov., *Pinus taedaeformis* Unger, *Pterocarya hofmannii* Staub sp. nov., *Rhamnus eridani* Unger (STAUB 1882).

Remains: *Ailanthus confucii* Unger, Anacardiaceae, *Apocynophyllum* sp., *Asterocalyx stiriacus* Ettingshausen, *Blechnum braunii* Ettingshausen, *Ceratonia emarginata* Al. Braun, *Cinnamomophyllum lanceolatum* (Unger) Hantke = *Daphnogene lanceolata* Unger, *Cinnamomophyllum polymorphum* (Al. Braun) Kräusel et Weyland = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cinnamomophyllum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cinnamomophyllum spectabile* (Heer) Weyland = *Daphnogene spectabile* (Heer) Knobloch, *Cupressites* sp., *Dalbergia mecsekensis* Andreánszky, *Diospyros palaeogaea* Ettingshausen, *Diospyros* sp., "*Embothrites*" *borealis* Unger = *Cedrelospermum aquense* (Saporta) Saporta, *Ficus haynaldiana* Staub, *Ficus wetterawica* Ettingshausen, *Gleditsia* sp., *Glyptostrobos europaeus* (Brongniart) Heer, Gramineae, *Ilex* sp. 1, 2, *Laurophyllum pseudoprinceps* (Heer) Weyland et Kilpper, *Laurophyllum* sp., *Leguminocarpon* sp., *Mimusops* sp., *Myrica lignitum* (Unger) Saporta, *Myrica* sp., *Myrsine doryphora* Unger, *Myrsine* sp., *Myrtus* sp., *Physolobium ettingshauseni* Staub, *Pinus hepios* (Unger) Heer, *Pinus taedaeformis* (Unger) Heer, *Pleiomeropsis rottensis* Weyland, *Podogonium oeningense* (Koenig) Kircheimer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Pterocarpus hofmanni* Staub, *Pteris* sp., *Quercus* sp. 1, 2, *Rhamnus eridani* Unger, *Robinia elliptica* Saporta, *Rhus pyrrhae* Unger, *Rhus* sp., *Sequoia langsdorfii* (Brongniart) Heer, ?*Terminalia* sp., *Typha latissima* Al. Braun, *Zizyphus paradisiaca* (Unger) Heer (PÁLFALVY 1965b).

Strata: fish-scale-rich clay.

Deposited at: MÁFI.

Hidas: Magyar-Hidas

Remains: *Cinnamomum scheuchzeri* Al. Braun = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Fagus feroniae* Unger = *Alnus julianaeformis* (Sternberg) Kvaček et Holý, "*Myrica*" *hakeae-folia* Unger, *Myrica lignitum* (Unger) Saporta, *Pterocarya denticulata* Weber = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Santalum salicinum* Ettingshausen (STAUB 1882).

Strata: fish-scale-rich clay.

Deposited at: unknown.

Hidas: Német-Hidas

Remain: *Fagus feroniae* Unger = *Alnus julianaeformis* (Sternberg) Kvaček et Holý (STAUB 1882).

Strata: fish-scale-rich clay.

Deposited at: unknown.

Komló: Komlövölgy

Remains: *Cassia lignitum* Unger, *Diospyros palaeogaea* Ettingshausen, *Diospyros paradisiaca* Ettingshausen, *Santalum salicinum* Ettingshausen, *Xylomites zizyphi* Ettingshausen, *Zizyphus paradisiaca* Unger (STAUB 1882).

Strata: fish-scale-rich clay.

Deposited at: unknown.

Magyaregregy: Farkasordító-árok

Remains: *Ambronnia bronni* (Unger) Kräusel, *Acer* sp., *Ailanthus confucii* Unger, *Ailanthus* sp., *Betula* sp., *Caesalpinites macrophyllus* (Heer) Kräusel, *Cassia ambigua* Unger, *Catalpa microsperma* Saporta, *Catalpa* sp., *Cinnamomum polymorphum* Al. Braun = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cinnamomum scheuchzeri* Al. Braun = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cinnamomum spectabile* Heer = *Daphnogene spectabile* (Heer) Knobloch, Cyperaceae, *Daphnogene lanceolata* Unger, *Daphnogene paradisiaca* Unger, *Diospyros* sp., "*Embothrites*" *borealis* Unger = *Cedrelospermum aquense* (Saporta) Saporta, *Fagus* sp., Filicinae, *Glyptostrobus europaeus* (Brongniart) Heer, Gramineae, *Ilex berberidifolia* Heer, *Lastraea oeningensis* Al. Braun = *Pronephrium stiriicum* (Unger) Knobloch et Kvaček, *Laurus princeps* Heer, *Laurus* sp., *Leguminocarpon* sp., *Myrica lignitum* (Unger) Saporta, *Nyssa* sp., *Palmacites* sp., "*Personia*" *laurina* Heer, *Physolobium ettingshausenii* Staub, *Pinus* cf. *hepios* (Unger) Heer, *Pinus* cf. *taedaeformis* (Unger) Heer, *Podogonium knorii* Unger = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Populus latior* Al. Braun = *Populus populina* (Bronn) Knobloch, *Quercus* sp., *Rhus pyrrhae* Unger, *Robinia elliptica* Al. Braun, *Sapindus falcifolius* (Al. Braun) Heer, *Sterculia* sp., *Styrax* sp., *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer, *Ulmus brauni* Heer, *Ulmus* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zizyphus paradisiaca* Unger (PÁLFALVY 1953a).

Remains: *Acer decipiens* Al. Braun, *Acer mecsekense* Andreánszky sp. nov., *Betula* sp., *Bignoniacearpum catalpaeforme* Andreánszky sp. nov., *Bignoniacearpum egregyense* Andreánszky sp.

nov., *Carya ventricosa* (Sternberg) Unger, *Ceratonia emarginata* Al. Braun, “*Embothrites*” *borealis* Unger = *Cedrelospermum aquense* (Saporta) Saporta, *Ilex* sp., *Leguminocarpon mecsekense* Andreánszky sp. nov., *Myrica longifolia* Unger, *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Tecoma* sp., *Zizyphus paradisiaca* (Unger) Heer (ANDREÁNSZKY 1955b).

Remains: *Castanopsis andreánszkyi* Pálfalvy sp. nov., *Celtis hungarica* Pálfalvy sp. nov., *Celtis miocenica* Pálfalvy, *Ceratophyllum hungaricum* Pálfalvy sp. nov., *Cyrilla hungarica* Pálfalvy sp. nov., *Hamamelis mecsekensis* Pálfalvy sp. nov. (PÁLFALVY 1961a).

Remain: *Gleichenites hungaricus* Pálfalvy sp. nov. (PÁLFALVY 1964c).

Remains: *Blechnum dentatum* (Goepfert) Unger, *Pronephrium stiriicum* (Unger) Knobloch et Kvaček (PÁLFALVY 1980).

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Strata: marly clay.

Deposited at: MÁFI.

Remains: *Leguminocarpon* type 1, 5, 6, 7 (HABLY 1992d).

Remains: *Ailanthus confucii* Unger, *Ailanthus mecsekensis* Hably sp. nov. (HABLY 2001b)

Remains: *Daphnogene* sp., *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (KOVAR-EDER et al. 1996).

Remains: *Cedrelospermum aquense* (Saporta) Saporta, *Cedrelospermum flichei* (Saporta) Hably et Thiébaud (HABLY and THIÉBAUD 2002).

Remains: *Abies* sp., *Acer* sp., *Ailanthus confucii* Unger, *Ailanthus mecsekensis* Hably, *Carya* sp., *Cedrelospermum aquense* (Saporta) Saporta, *Cedrelospermum flichei* (Saporta) Hably et Thiébaud, *Celastraceae* gen. et sp., *Daphnogene* sp., *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Fagus* sp., *Glyptostrobus europaeus* (Brongniart) Heer, *Laurophyllum* sp., *Leguminocarpon mecsekense* Andreánszky, *Leguminocarpon* sp., *Leguminosae* gen. et sp., *Monocotyledonae* gen. et sp., *Myrica lignitum* (Unger) Saporta, *Myrica vindobonensis* (Ettingshausen) Heer, *Nyssa* sp., *Pinus* sp., *Podocarpium podocarpum* (Al. Braun) Herendeen, *Quercus kubinyii* (Kováts) Czeczott, *Populus* sp., *Rosa* sp., *Salix* sp., *Smilax* sp., *Typha* sp., *Ulmus* sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zizyphus paradisiaca* (Unger) Heer (HABLY 2005).

Strata: fish-scale-rich clay.

Deposited at: BP, MÁFI.

Magyaregregy: Kisréti árok

Remains: *Ailanthus confucii* Unger, *Cinnamomum scheuchzeri* Al. Braun = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cyperaceae*, *Engelhardia brongniarti* (Unger) Saporta = *Engelhardia macroptera* (Brongniart) Unger, *Gramineae*, *Libocedrus* sp., *Liquidambar europaea* Al. Braun, *Myrica* sp., *Nyssa* sp., *Pinus* sp., *Salix* sp., *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer (PÁLFALVY 1953a).

Remains: *Leguminocarpon* type 1, 4 (HABLY 1992d).

Strata: diatomic clay marl.

Deposited at: MÁFI.

Ó-Falu: Rákpatlak-völgy

Remains: *Ailanthus confucii* Unger, *Cassia ambigua* Unger, *Diospyros paradisiaca* Ettingshausen, *Myrica lignitum* (Unger) Saporta, *Myrsine doryphora* Unger, *Quercus mediterranea* Unger (STAUB 1882).

Strata: fish-scale-rich clay.

Deposited at: unknown.

Orfű: Rákos

Remains: *Arundo goepperti* Münt., *Cyperites* sp., *Myrica lignitum* (Unger) Saporta, *Typha latissima* Al. Braun, *Zizyphus paradisiaca* Unger (STAUB 1882).

Strata: fish-scale-rich clay.

Deposited at: unknown.

Orfű: Tekerés

Remains: *Cinnamomum scheuchzeri* Al. Braun = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Glyptostrobos europaeus* Brongniart (STAUB 1882).

Strata: fish-scale-rich clay.

Deposited at: unknown.

Püspöknádasd: Nádasd

Remains: *Diospyros paradisiaca* Ettingshausen, *Fagus feroniae* Unger = *Alnus julianaeformis* (Sternberg) Kvaček et Holý, *Glyptostrobos europaeus* Brongniart, *Quercus böckhii* Staub sp. nov., *Zizyphus paradisiaca* Unger (STAUB 1882).

Strata: fish-scale-rich clay.

Deposited at: unknown.

Zobákpusztá: Pusztá-Szobák

Remains: *Acacia parschlugiana* Unger, *Cassia ambigua* Unger, *Cassia lignitum* Unger, *Cinnamomum polymorphum* Al. Braun = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Diospyros paradisiaca* Ettingshausen, *Ephedrites sotzkianus* Unger, *Fagus feroniae* Unger = *Alnus julianaeformis* (Sternberg) Kvaček et Holý, *Pinus hepios* (Unger) Heer, *Planera ungeri* Ettingshausen = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Poacites aequalis* Ettingshausen, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch (STAUB 1882).

Strata: fish-scale-rich clay.

Deposited at: unknown.

BADENIAN

Andornaktálya: Pince-völgy

Remains: *Lygodium latifolium* Cziffery sp. nov., *Osmunda parschlugiana* (Unger) Andreánszky, *Platycerium atavum* Cziffery sp. nov. (CZIFFERY-SZILÁGYI 1961).

Remains: *Quercus mediterranea* Unger, *Tetranthera* cf. *oblonga* Wallich (CZIFFERY-SZILÁGYI 1967).

Strata: sandy rhyolitic tuff.

Deposited at: BP, MM.

LOWER BADENIAN

Eger: Tihamér

Remain: *Lygodites bipartitus* Andreánszky sp. nov. (ANDREÁNSZKY 1952).

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspidatum* Bronn, *Alnus kefersteinii* (Goepfert) Unger, *Betula prisca* Ettingshausen, *Carpinus grandis* Unger, *Cinnamomum scheuchzeri* Al. Braun = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, "*Cornus*" *studerii* Heer, *Crataegus* cf. *monogyna* Jacquin, *Fraxinus* cf. *excelsior* L., *Leguminocarpum* cf. *legányii* Pálfalvy, Leguminosae, *Myrica banksiaefolia* Unger, *Myrica inundata* Unger, *Myrica lignitum* (Unger) Saporta, *Nyssa* sp., *Phragmites oeningensis* Al. Braun, *Pinus* sp., *Populus* sp., *Quercus pseudocastanea* Goepfert = *Alnus gaudini* (Heer) Knobloch et Kvaček, *Rhamnus gaudini* Heer = *Alnus gaudini* (Heer) Knobloch et Kvaček, *Rhamnus warthae* Heer = *Alnus gaudini* (Heer) Knobloch et Kvaček, *Salvinia* sp., *Ulmus plurinervia* Unger (ZELLER-IGALI 1955).

Remain: *Ilex rottensis* Weyland (ANDREÁNSZKY 1956).

Remain: *Dioscoreites agriensis* Andreánszky et Cziffery sp. nov. (ANDREÁNSZKY 1959b).

Remains: *Alnus kefersteinii* (Goepfert) Unger, *Alnus* cf. *nepalensis* Don, *Pinus rigios* Unger, *Quercus castaneoides* Kovács, *Quercus tenerrima* Weber (CZIFFERY-SZILÁGYI 1967).

Remains: *Osmunda heeri* Gaudin, *Pronophrium stiriicum* (Unger) Knobloch et Kvaček (PÁLFALVY 1980).

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Strata: rhyolitic, tuff.

Deposited at: BP, MÁFI, MM.

Gyöngyöspata

Remains: *Acer matrense* Varga sp. nov., *Acer* sp., *Daphne protogaea* Ettingshausen, *Diospyros brachysepala* Al. Braun, *Laurus* sp., Leguminosae, *Myrica lignitum* (Unger) Saporta, *Myrsine celastroides* Ettingshausen, *Myrsine* cf. *urvillei* De Candolle, *Pinus trichophylla* Saporta, *Pinus* sp., *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen (VARGA 1955a).

Remains: *Acer* sp. 1, 2, *Berchemia multinervis* (Al. Braun) Heer, Cyperaceae, *Diospyros brachysepala* (Al. Braun) Hantke, *Fagus* sp., *Gleditsia* sp., Gramineae, *Myrica lignitum* (Unger) Saporta, *Myrsine celastroides* Ettingshausen, *Myrsine* cf. *urvillei* De Candolle, *Pinus* sp. 1, 2, *Podogonium oeningensis* (Koenig) Kircheimer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Quercus mediterranea* Unger, *Sapindus falcifolius* Al. Braun, *Typha latissima* Al. Braun (HAJÓS and PÁLFALVY 1961).

Strata: diatomite.

Deposited at: BP, MÁFI.

Hont: Bába-hegy

Remain: *Pinus palaeoponderosa* Cziffery sp. nov. (CZIFFERY-SZILÁGYI 1961).

Strata: sandy tuff.

Deposited at: BP.

Hont: Nagy-hegy – Németpataki-völgy

Remains: *Alnus* sp., *Blechnum dentatum* (Goepfert) Heer, *Bumelia* sp., *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Daphnogene cinnamomeifolia* (Brongniart) Bronn, *Daphnogene lanceolata* Unger, *Equisetum* sp., *Glyptostrobus europaeus* (Brongniart) Unger, *Laurophyllum* sp. 1, 2, *Magnolia* sp., *Myrica* cf. *serotina* (Heer) Hantke, *Phragmites oeningensis* Al. Braun, *Pinus* sp. 1., 2., *Populus* sp., *Pteroceltis* cf. *tatrowii* Maximovicz, “*Quercus*” *cruciata* Al. Braun = *Pungiphyllum cruciatum* (Al. Braun) Frankenhäuser et Wilde, *Rhus* sp., *Sapotacites* sp., *Ulmus minuta* Goepfert sensu Knobloch (PÁLFALVY 1976b).

Strata: sandy andesitic tuff.

Deposited at: MÁFI.

Nógrádszakál: Bertece-völgy

Remains: *Castanea atavia* Al. Braun, *Equisetum parlatorii* (Heer) Schimper, Monocotyledonae gen. et sp., *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Populus* sp. 1, 2, *Quercus* sp., *Ulmus* sp., *Zelkova ungeri* Kovács = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY and KOVÁCS 1959).

Remains: *Acer palaeotataricum* Kovács, *Carya* sp., *Cercidiphyllum crenatum* (Unger) Brown, cf. *Cassia* sp., *Cornus praeamomum* Kovács, *Cornus* sp., *Daphnogene* sp. *Equisetum parlatorii* (Heer) Schimper, *Hedera* cf. *helix* L., Monocotyledonae gen. et sp., *Ostrya atlantidis* Unger, *Parrotia pristina* (Ettingshausen) Stur, *Parrotia* sp., *Platanus* sp. vel *Acer* sp., *Populus populina* (Brongniart) Knobloch, *Populus* sp., *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus pontica miocenica* Kubát, *Quercus* sp., *Sapindus ungeri* Ettingshausen, *Smilax* sp., *Ulmus plurinervis* Unger, *Ulmus* sp., *Weinmannia* sp. (KORDOS-SZAKÁLY 1984).

Remain: *Daphnogene* sp. (KOVAR-EDER et al. 1996).

Strata: sandy rhyolitic tuff.

Deposited at: BP.

Parassapuszta

Remains: *Cinnamomum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Cinnamomum rossmässleri* Heer, *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cinnamomum* sp. = *Daphnogene* sp., *Glyptostrobos europaeus* (Brongniart) Heer, Monocotyledonae gen. et sp., *Populus* cf. *deltoides* Marshall, *Populus* sp., *Ulmus plurinervia* Unger (CZIFFERY-SZILÁGYI 1963).

Strata: sandy tuff.

Deposited at: BP.

Sajómercse

Remains: *Acer* sp., *Alnus kefersteinii* (Goeppert) Unger, *Alnus* sp., *Callitrites brongniarti* Endlicher = *Tetraclinis brachyodon* (Brongniart) Mai et Walther, *Carpinus neilreichii* Kováts, *Cinnamomum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Ficus* sp., Leguminosae, *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Sapindus falcifolius* Al. Braun, *Sapindus* sp., *Terminalia radobojensis* Unger, *Ulmus plurinervia* Unger, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (CZIFFERY-SZILÁGYI 1963).

Strata: clay-bearing sand.

Deposited at: BP, Miskolc.

Szurdokpüspöki

Remains: *Berchemia multinervis* (Al. Braun) Heer, *Diospyros brachysepala* Al. Braun, Leguminosae, *Myrica lignitum* (Unger) Saporta, *Myrsine doryphora* Unger, *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Ulmus braunii* Heer (VARGA 1955a).

Remains: *Bumelia oreadam* Unger, *Celastrus pyrrhae* Ettingshausen, *Celtis* sp., *Ceratonia emarginata* Heer, *Cinnamomophyllum polymorphum* (Al. Braun) Kräusel et Weyland = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cornus* sp., Cyperaceae, *Daphne protogaea* Ettingshausen, *Diospyros brachysepala* Al. Braun, Gramineae, *Laurentia* cf. *pinnatifida* Graham, *Myrica elongata* Saporta, *Myrica lignitum* (Unger) Saporta, *Myrica* sp., *Myrsine celastroides* Ettingshausen, *Myrsine doryphora* Unger, *Myrsine formosa* Heer, *Myrsine* cf. *variabilis* Blume, *Ostrya atlantidis* Unger, *Podogonium oeningensis* (Koenig) Kircheimer, *Podogonium* sp. = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Quercus mediterranea* Unger, *Rhamnus* sp., *Salix longa* Al. Braun, *Sapindus falcifolius* Al. Braun, *Typha latissima* Al. Braun, *Ulmus braunii* Heer, *Ulmus* cf. *longifolia* Unger, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zizyphus paradisiaca* (Unger) Heer (HAJÓS and PÁLFALVY 1961).

Strata: diatomite.

Deposited at: BP, MÁFL.

UPPER-BADENIAN

Nógrádszakál: Páris-völgy

Remains: *Acer palaeotataricum* Kovács sp. nov., *Acer* sp., ?*Alnus crebrinervis* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Ostrya atlantidis* Unger, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus* sp., *Quercus alexejevii* Pojark, *Quercus* sp., *Ulmus* sp. (ANDREÁNSZKY 1959a).

Locality: watercourse of Paris-stream.

Remains: *Acer palaeotataricum* Kovács, *Acer* sp., *Aristolochia nógrádensis* Andreánszky sp. nov., *Berberis* sp., *Carpinus* sp., *Carya tomentosa* (Poiret) Nuttall, *Cercidiphyllum crenatum* (Unger) Brown, *Cornus praeamomum* Kovács sp. nov., *Cyclocarya cycloptera* (Schlechtendal) Iljinskaja, ?*Diospyros* sp., *Equisetum parlatorii* (Heer) Schimper, *Forsythia hungarica* Andreánszky sp. nov., *Fraxinus* cf. *excelsior* Heer, *Fraxinus* sp., *Ginkgo adiantoides* (Unger) Heer, *Juglans* sp., *Lonicera lipthayana* Andreánszky sp. nov., *Ostrya antiqua* Gruber, *Ostrya atlantidis* Unger, *Phillyrea* cf. *latifolia* L., *Phillyrea* sp., *Phoenicites* sp. 2, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus balsamoides* Goepfert, ?*Populus glandulifera* Heer, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Populus* cf. *tremula* L., *Populus* sp., ?*Prunus* cf. *laurocerasus* L., *Pterocarya* sp., *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Ulmus angustissima* Andreánszky, *Ulmus bükkensis* Andreánszky, *Ulmus longifolia* Unger, *Ulmus zelkovaeformis* Andreánszky sp. nov., *Viburnum* cf. *tinus* L., *Vitis* sp., *Weinmannia* sp. 1, *Zelkova praelonga* (Unger) Berger, *Zelkova ungeri* Kovács = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).

Locality: branch of Paris-stream.

Strata: rhyolitic tuff.

Deposited at: BP, Pásztó.

Remains: *Acer palaeotataricum* Kovács, *Ostrya antiqua* Gruber, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Vitis* cf. *aestivalis* Michaux (ANDREÁNSZKY 1959a).

Locality: Rárósmulyad.

Strata: rhyolitic tuff.

Deposited at: BP.

Remain: *Acer palaeotataricum* Kovács (ANDREÁNSZKY 1961).

Remains: *Acer palaeotataricum* Kovács, *Carya* sp., *Cornus praeamomum* Kovács, *Cornus* sp., Dicotyledonae gen. et sp., *Fraxinus* sp., *Hedera* cf. *helix* L., Monocotyledonae gen. et sp., *Morus* sp., *Parrotia pristina* (Ettingshausen) Stur, *Populus balsamoides* Goepfert, *Populus populina* (Brongniart) Knobloch, *Quercus pontica miocenica* Kubát, *Quercus* sp., *Salix* sp., *Ulmus carpinooides* Goepfert, *Ulmus* sp., *Vitis olrikii* Heer, *Vitis* sp., *Weinmannia* sp., *Zelkova* sp. (KORDOS-SZAKÁLY 1984).

Remains: *Cercidiphyllum crenatum* (Unger) Brown, *Ginkgo adiantoides* (Unger) Heer, *Platanus leucophylla* (Unger) Knobloch (KOVAR-EDER *et al.* 1994).

Strata: rhyolitic tuff.

Deposited at: BP.

SARMATIAN

Balaton-Dellő

Remain: *Sorbariopsis linearifolia* Andreánszky gen. et sp. nov. (ANDREÁNSZKY 1955a).

Remains: *Acer decipiens* Al. Braun, *Acer* cf. *pseudoplatanus* L., *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspidatum* Bronn, *Betula dryadum* Brongniart, *Betula* cf. *lenta* L., *Betula prisca* Ettingshausen, *Carpinus grandis* Unger, *Carya ungeri* Ettingshausen, *Celtis trachytyca* Ettingshausen, *Cercidiphyllum crenatum* (Unger) Brown, *Cocculus latifolius* Saporta, *Cornus* cf. *sanguinea* L., *Corylus* cf. *avellana* L., *Fagus haidingeri* Kováts, *Fagus* cf. *orientalis* Lipsky, Leguminosae, *Liquidambar europaea* Al. Braun, ?*Liriodendron procaccinii* Unger, *Myrsinites* sp. cf. *Pleiomeris canariensis* (Willdenow) De Candolle, *Parrotia jagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Populus balsamoides* Goepfert, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterocarya* sp., *Quercus* cf. *cerris* L., *Quercus* cf. *robur-sessiliflora*, *Quercus zemplénensis* Cziffery, *Quercus* sp., *Sassafras ferretianum* Massalongo, *Sorbariopsis linearifolia* Andreánszky, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Viburnum hungaricum* Andreánszky, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (BÓCSA 1955).

Remain: *Ulmus angustissima* Andreánszky sp. nov. (ANDREÁNSZKY 1956).

Remains: *Abies* sp., *Acer* cf. *campestre* L., *Acer divaricatum* Andreánszky sp. nov., *Acer* cf. *Jedtschenkoanum* Kryštofovicz, *Acer monooides* Saporta, *Acer* cf. *opalus* Miller, *Acer polymorphum pliocenicum* Saporta, *Acer pseudodecipiens* Andreánszky sp. nov., *Acer* cf. *pseudoplatanus* L., *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspidatum* Bronn, *Alnus angustifrons* Andreánszky sp. nov., *Alnus crebrinervis* Kovács, *Alnus feroniae* (Unger) = *Alnus julianaeformis* (Sternberg) Kvaček et Holý, *Alnus* cf. *japonica* (Thunberg) Staub, *Alnus kefersteinii* Unger, *Alnus laxinervia* Andreánszky sp. nov., *Alnus* cf. *nepalensis* Don, *Alnus* cf. *orientalis* De Candolle, *Alnus* cf. *orientalis* De Candolle var. *longifolia* H. Wkl., *Alnus pendulifolia* Andreánszky sp. nov., *Alnus prasili* Unger, *Alnus rosifolia* Andreánszky sp. nov., *Alnus* cf. *rugosa* (Du Roi) Sprengel, *Alnus* cf. *subcordata* C. A. Meyer, *Araceaeaphyllum* sp., *Arundo goepperti* (Münst.) Heer, *Betula brongniarti* Saporta, *Betula dryadum* Brongniart, *Betula* cf. *lenta* L., *Betula longipetiolata* Andreánszky sp. nov., *Betula* cf. *nigra* L., *Betula* cf. *papyrifera* Marshall, *Betula prisca* Ettingshausen, *Carpinus grandis* Unger, *Carpinus paucinervia* Andreánszky sp. nov., *Carpinus pyramidalis* Unger, cf. *Carya glabra* (Miller) Swartz, *Carya* cf. *myristicaeformis* (Michaux) Nuttall, *Carya* cf. *tomentosa* (Poiret) Nuttall, *Carya* sp., *Castanea atavia* Al. Braun, *Castanea latissima* Andreánszky sp. nov., *Castanea* cf. *sativa* Miller, *Celtis occidentaloidea* Kovács, *Celtis trachytyca* Ettingshausen, *Cephalotaxus* sp., *Ceratonia* cf. *siliqua* L., *Cercidiphyllum crenatum* (Unger) Brown, *Cercidiphyllum novemnervium* Andreánszky sp. nov., *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cissus* cf. *orientalis* Lamarck, *Cladrastis* cf. *lutea* (Michaux) Koch, *Cornus* cf. *alba* L., *Cornus praeanomum* Kovács, *Cornus* cf. *sanguinea* L., *Corylus* cf. *avellana* L., *Corylus longipetiolata* Andreánszky sp. nov., *Corylus macquarrii* (Forbes) Massalongo et Visiani, *Crataegus* sp. 1, 2, 3, *Cunninghamia* cf. *sinensis* Al. Braun, *Desmodium sarmaticum* Andreánszky sp. nov., *Echinodorus atavus* Andreánszky sp. nov., "Eriobotrya" *europaea* Andreánszky sp. nov., *Euonymus atropurpureus* Jacquin, *Euonymus* cf. *obovatus* Nuttall, *Euonymus* cf. *thaeifolius* Wallich, *Euptelea* sp., *Fagus angusta* Andreánszky sp. nov., *Fagus aperata* Andreánszky n. sp., *Fagus* cf. *grandifolia* Ehrhardt, *Fagus haidingeri*

Kováts, *Fagus latissima* Andreánszky sp. nov., *Fagus* cf. *orientalis* Lipsky, *Fagus palaeojaponica* Andreánszky sp. nov., *Fagus* sp., *Firmiana* cf. *platanifolia* (L. F.) Schott et Endlicher, *Fraxinus* cf. *americana* L., *Fraxinus* cf. *excelsior* L., *Fraxinus* cf. *pennsylvanica* Marshall, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Hamamelis* cf. *virginiana* L., *Juglans* sp., *Laurus* cf. *nobilis* L., Leguminosae, *Leptochilites sarmaticus* Andreánszky sp. nov., *Ligustrum* sp., *Liquidambar europaea* Al. Braun, *Liriodendron procaccinii* Unger, *Lyonia* cf. *ovalifolia* (Wallich) Druce, Monocotyledonae gen. et sp., *Monopleurophyllum hungaricum* Andreánszky sp. nov., *Myrica* cf. *microcarpa* Benth., *Myrsinites* cf. *Pleiomeris canariensis* (Willdenow) De Candolle, *Ostrya angustifolia* Andreánszky sp. nov., *Ostrya antiqua* Gruber, *Ostrya atlantidis* Unger, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Phellodendron* cf. *amurense* Ruprecht, *Pitiosporum szántóinum* (Unger) Andreánszky comb. nov., *Poacites* sp., *Platanus aceroides* Goepfert = *Platanus platanifolia* (Ettingshausen) Knobloch, *Populus* cf. *alba* L., *Populus alnifolia* Andreánszky sp. nov., *Populus balsamoides* Goepfert, *Populus* cf. *deltoides* Marshall, *Populus* cf. *euphratica* Olivier, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Populus* cf. *simonii* Carrière, *Populus* cf. *tremula* L., *Pseudotsuga* sp., *Pterocarya castaneifolia* (Goepfert) Schlechtendal, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus alienoides* Andreánszky sp. nov., *Quercus* cf. *bicolor* Willdenow, *Quercus* cf. *boissieri* Reuter, *Quercus* cf. *canariensis* Willdenow, *Quercus* cf. *castaneaefolia* C. A. Meyer, *Quercus* cf. *cerris* L., *Quercus crebrinervis* Andreánszky sp. nov., *Quercus denticulata* Andreánszky sp. nov., *Quercus* cf. *dshorochensis* K. Koch, *Quercus equitroiani* Andreánszky sp. nov., *Quercus* cf. *glauca* Thunberg, *Quercus glaucifolia* Andreánszky sp. nov., *Quercus hispanica* Rér., *Quercus* cf. *ilex* L., *Quercus* cf. *infectoria* Olivier, *Quercus* cf. *ithaburensis* De Candolle, *Quercus kubinyii* (Kováts) Czechtz, *Quercus lauroides* Andreánszky sp. nov., *Quercus* cf. *mongolica* Fischer et Turczaninov var. *grosseserrata* (Blume) Rehder et Wilson, *Quercus* cf. *muehlenbergii* Engelmann, *Quercus nerüifolia* Al. Braun, *Quercus palaeomontana* Andreánszky sp. nov., *Quercus palaeovirens* Andreánszky sp. nov., *Quercus* cf. *phellos* L., *Quercus pseudoalnus* Ettingshausen, *Quercus pseudoilex* Kováts, *Quercus rhyolitica* Andreánszky sp. nov., *Quercus* cf. *robur-petraea*, *Quercus zemplénensis* Cziffery, *Rhamnus* cf. *cathartica* L., *Rhamnus inaequalis* Heer, *Rhamnus rectinervis* Heer, *Rhus bükkensis* Andreánszky sp. nov., *Rhus* cf. *glabra* L., *Rhus* sp., *Rosa legányii* Andreánszky sp. nov., Rosaceae, *Salix angusta* Al. Braun, Sapindaceae, *Sapindaceaeacarpum lunulatum* Andreánszky sp. nov., *Sapindus falcifolius* Al. Braun, *Sapindus ungeri* Ettingshausen, *Sassafras ferretianum* Massalongo, *Sequoia langsdorfii* (Brongniart) Heer, *Smilax* cf. *oldhami* Miquel, *Sophora europaea* Al. Braun, ?*Sorbariopsis linearifolia* Andreánszky, *Sorbus* cf. *aucuparis* L., *Sorbus borsodensis* Andreánszky sp. nov., *Spiraea* cf. *tomentosa* L., *Styrax* cf. *officinalis* L., *Taxus* sp., *Tetracentron hungaricum* Andreánszky sp. nov., *Torreia* sp., *Ulmus angustissima* Andreánszky, *Ulmus braunii* Heer, *Ulmus bükkensis* Andreánszky, *Ulmus drepanodonta* Gruber, *Ulmus longifolia* Unger, *Ulmus plurinervis* Unger, *Ulmus* sp., *Viburnum hungaricum* Andreánszky, *Viburnum* cf. *rugosum* Persoon, *Vitis teutonica* Al. Braun, *Zelkova juglandina* Andreánszky sp. nov., *Zelkova latissima* Andreánszky sp. nov., *Zelkova praelonga* (Unger) Berger, *Zelkova rotundilobata* Andreánszky sp. nov., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).

Remains: *Phillyrea* cf. *latifolia* L., *Quercus* cf. *bicolor* Willdenow, *Quercus* cf. *cerris* L., *Quercus sarmatica* Andreánszky sp. nov. (ANDREÁNSZKY 1961).

Remains: *Quercus castaneoides* Kovács sp. nov., *Quercus kovátsi* Kovács sp. nov., *Quercus pseudo-furcinervis* Kovács et Pálfalvy sp. nov. (KOVÁCS 1962).

Remains: *Quercus castaneoides* Kovács, *Quercus crebrinervia* Andreánszky, *Quercus glaucifolia* Andreánszky, *Quercus pseudofurcinervis* Kovács et Pálfalvy (ANDREÁNSZKY 1963b).
 Remain: *Castanea latissima* Andreánszky (ANDREÁNSZKY 1964b).
 Remains: *Cornus orbifera* Heer, *Sequoia sternbergii* (Goepfert) Heer (ANDREÁNSZKY 1966b).
 Remains: *Quercus psedocastanea* Goepfert emend. Walther et Zastawniak, *Quercus roburoides* Gaudin (KOVAR-EDER *et al.* 1996).
 Strata: rhyolitic tuff.
 Deposited at: BP, MM.

Bánfalva

Remains: *Alnus feroniae* (Unger) Czeczott = *Alnus julianaeformis* (Sternberg) Kvaček et Holý, *Betula* sp., *Carpinus grandis* Unger, *Carpinus* sp., *Cercidiphyllum crenatum* (Unger) Brown, *Ginkgo adiantoides* (Unger) Heer, *Parrotia fagifolia* (Goepfert) Heer, *Platanus aceroides* Goepfert = *Platanus platanifolia* (Ettingshausen) Knobloch, *Populus balsamoides* Goepfert, *Populus mutabilis* Heer, *Populus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Zelkova ungeri* Kovács = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (VARGA 1955b).
 Remains: *Alnus feroniae* (Unger) Czeczott = *Alnus julianaeformis* (Sternberg) Kvaček et Holý, *Betula* cf. *lenta* L., *Betula prisca* Ettingshausen, *Carpinus grandis* Unger, *Carpinus* sp., *Cercidiphyllum crenatum* (Unger) Brown, *Fagus* cf. *orientalis* Lipsky, *Fagus* sp., *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Populus balsamoides* Goepfert, *Populus mutabilis* Heer, *Populus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus* sp., *Zelkova ungeri* Kovács = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).
 Strata: sandstone.
 Deposited at: BP.

Bánfalva: Ortásgödör

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspidatum* Bronn, *Acer* sp., *Alnus nógrádensis* Varga, *Alnus pendulifolia* Andreánszky, *Carpinus grandis* Unger, *Fagus* cf. *grandifolia* Ehrhardt, *Fagus* sp., *Ficus tiliaefolia* (Al. Braun) Heer = *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Laurus* cf. *nobilis* Heer, Monocotyledonae gen. et sp., *Monopleurophyllum hungaricum* Andreánszky, *Ostrya antiqua* Gruber, *Palmae* sp., *Platanus aceroides* Goepfert, *Quercus kubinyii* (Kovács) Czeczott, *Quercus pontica miocenica* Kubát, *Quercus* sp., *Rhus palaeocotynus* Saporta, *Ulmus* sp., *Vitis bánensis* Andreánszky sp. nov., *Zelkova ungeri* Kovács = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1964b).
 Strata: rhyolitic tuff.
 Deposited at: MM.

Bánfalva: Patakos I

Remains: *Acer platanaceum* Andreánszky, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer* sp., *Alnus pendulifolia* Andreánszky, *Carya* cf. *myristicaeformis* (Michaux) Nuttall, *Carya* sp., *Cedrela sarmatica* Kovács, *Equisetum* sp., *Ginkgo adiantoides* (Unger) Heer, *Gleditsia allemannica* Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Phillyrea* cf. *latifolia* L., *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus* cf. *tremuloides* Michaux, *Populus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czecczot, *Quercus pontica miocenica* Kubát, *Quercus* sp., *Rosa legányii* Andreánszky, *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix* sp., *Ulmus bükkensis* Andreánszky, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus* sp. (ANDREÁNSZKY 1963b).

Remain: *Castanea latissima* Andreánszky (ANDREÁNSZKY 1964b).

Remains: *Acer* cf. *pseudoplatanus* L., *Carpinus grandis* Unger, *Celtis trachytica* Ettingshausen, *Populus trichocarpoides* Andreánszky (ANDREÁNSZKY 1966b).

Strata: rhyolitic tuff.

Deposited at: BP.

Bánfalva: Patakos II

Remains: *Platanus aceroides* Goepfert, *Populus balsamoides* Goepfert, *Populus* sp., *Populus* cf. *tremuloides* Michaux, *Populus trichocarpoides* Andreánszky, *Salix angusta* Al. Braun (ANDREÁNSZKY 1964b).

Strata: rhyolitic tuff.

Deposited at: BP.

Bánhorváti

Remains: *Acer bánhorvátense* Andreánszky, *Acer borsodense* Andreánszky, *Acer decipiens* Al. Braun, *Acer hyrcanoides* Andreánszky sp. nov., *Acer platyphyllum* Al. Braun ex Heer, *Acer* cf. *pseudoplatanus* L., *Acer* cf. *rubrum* var. *tomentosum* (Desfontaines) K. Koch, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer* sp., *Alnus crebrinervis* Kovács, *Alnus kefersteinii* Unger, *Alnus* cf. *orientalis* De Candolle, *Alnus pendulifolia* Andreánszky sp. nov., *Alnus pseudonostratum* Andreánszky sp. nov., *Alnus* sp., *Betula bánhorvátensis* Andreánszky sp. nov., *Betula dryadum* Brongniart, *Betula* cf. *lenta* L., *Betula prisca* Ettingshausen, *Betula pyramidata* Andreánszky sp. nov., *Betula* sp., *Carpinus grandis* Unger, *Carpinus* sp., *Carya* sp., *Cedrela sarmatica* Kovács, *Celastrrophyllum maytenoides* Kovács, *Cercidiphyllum occidentale* Kovács, *Cercidiphyllum andreánszkyi* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Cinnamomum* sp. = *Daphnogene* sp., *Cissus* sp. 1, 2, *Cornus* cf. *alba* L., *Cornus* cf. *sanguinea* L., *Cornus* sp., *Diospyros bánensis* Kovács, *Diospyros brachysepala* Al. Braun, *Diospyros* cf. *lotus* L., *Diospyros* sp., *Erica* sp., *Euonymus* cf. *japonicus* Thunberg, *Fraxinus* cf. *quad-rangulata* Michaux, *Juglans acuminata* Al. Braun, *Juglans* cf. *regia* L., *Laurus* cf. *nobilis* L., *Liquidambar pseudoprotensa* Andreánszky sp. nov., *Ostrya angustifolia* Andreánszky sp. nov., *Ostrya atlantidis* Unger, *Ostrya nervosa* Andreánszky sp. nov., *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Phillyrea* cf. *latifolia* L., *Platanus aceroides* Goepfert, *Populus balsamoides* Goepfert, *Populus latior* Al. Braun = *Populus*

populina (Brongniart) Knobloch, *Populus mutabilis* Heer, *Prunus* cf. *persica* (L.) Batsch, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterocaryaecarpum* sp., *Quercus kubinyii* (Kovács) Czecczot, *Quercus pontica miocenica* Kubát, *Quercus pseudoalnus* Ettingshausen, *Quercus* sp., *Rhamnus* cf. *alaternus* L., *Rhamnus integerrima* Kovács, *Rhamnus* sp., *Rhus* cf. *coriaria* L., *Riccia* cf. *frostii* Aust., *Rosa legányii* Andreánszky sp. nov., *Rosa* sp., *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix* sp., *Sapindus falcifolius* Al. Braun, *Sapindus ungeri* Ettingshausen, *Sapindus* sp., *Sassafras ferretianum* Massalongo, *Smilax horsodensis* Andreánszky, *Spiraea* cf. *trilobata* L., *Ulmus angustissima* Andreánszky, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus* sp., *Viburnum* cf. *tinus* L., *Zelkova palaeojaponica* Andreánszky sp. nov. (ANDREÁNSZKY 1959a).

Strata: andesitic tuff.

Deposited at: MM, BP.

Bánhorváti: Kővágó-tető

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer* sp., *Alnus crebrinervis* Kovács, *Alnus kefersteinii* Unger, *Betula* sp., *Cedrela sarmatica* Kovács, *Cornus* cf. *sanguinea* L., *Diospyros bánensis* Kovács, *Juglans* cf. *regia* L., *Ostrya atlantidis* Unger, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterocaryaecarpum* sp., *Quercus pseudoalnus* Ettingshausen, *Rhamnus integerrima* Kovács, *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Sapindus ungeri* Ettingshausen, *Ulmus* sp. – Lower layer: *Acer bánhorvátense* Andreánszky, *Acer borsodense* Andreánszky, *Acer decipiens* (Al. Braun) Heer, *Acer platyphyllum* (Al. Braun) Heer, *Acer* cf. *pseudoplatanus* L., *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer trilobatum* var. *tomentosum* Desfontaines, *Acer* sp., *Alnus* sp., *Carpinus* sp., *Cedrela sarmatica* Kovács, *Cercidiphyllum andreánszkyi* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Cornus* cf. *sanguinea* L., *Diospyros bánensis* Kovács, *Diospyros* sp., *Juglans* cf. *regia* L., *Liquidambar protensa* Unger, *Ostrya atlantidis* Unger, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus balsamoides* Goepfert, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Populus mutabilis* Heer, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kovács) Czecczot, *Quercus pontica miocenica* Kubát, *Quercus pseudoalnus* Ettingshausen, *Rhamnus integerrima* Kovács, *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix* sp., *Sapindus falcifolius* Al. Braun, *Sapindus ungeri* Ettingshausen, *Sassafras ferretianum* Massalongo, *Ulmus plurinervia* Unger (KOVÁCS 1957c).

Remain: *Acer bicorne* Andreánszky sp. nov. (ANDREÁNSZKY 1963b).

Remain: *Alnus crebrinervis* Kovács (ANDREÁNSZKY 1966b).

Remain: *Syringa palaeojosikaea* Andreánszky sp. nov. (ANDREÁNSZKY 1968).

Strata: andesitic tuff.

Deposited at: BP, MM.

Bánhorváti: Verőbánya

Remains: *Acer* cf. *pseudoplatanus* L., *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus crebrinervis* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Quercus kubinyii* (Kováts) Czezcott, *Salix angusta* Al. Braun (KOVÁCS 1957c).

Remains: *Acer borsodense* Andreánszky, *Acer comivens* Andreánszky sp. nov., *Acer decipiens* Al. Braun, *Acer divaricatum* Andreánszky sp. nov., *Acer firmianoides* Andreánszky sp. nov., *Acer* cf. *ginnala* Maxim, *Acer hungaricum* Andreánszky, *Acer latissimum* Andreánszky, *Acer* cf. *orientale* L., *Acer platanaceum* Andreánszky sp. nov., *Acer platyphyllum* Al. Braun ex Heer, *Acer pseudodecipiens* Andreánszky sp. nov., *Acer* cf. *pseudoplatanus* L., *Acer* cf. *rubrum* var. *tomentosum* (Desfontaines) K. Koch, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer* sp., *Alnus crebrinervis* Kovács, *Alnus hoernesii* Stur = *Alnus ducalis* (Gaudin) Knobloch, *Alnus kefersteinii* Unger, *Alnus* cf. *nepalensis* Don, *Alnus* cf. *rugosa* (Du Roi) Sprengel, *Alnus* cf. *subcordata* C. A. Meyer, *Alnus* sp., Anacardiaceae, *Arbutus* cf. *unedo* L., *Betula* cf. *lenta* L., *Betula prisca* Ettingshausen, *Betula* sp., *Carex* sp., *Carpinus grandis* Unger, *Carpinus* sp., *Carya* cf. *glabra* (Miller) Swartz, *Cedrela sarmatica* Kovács, *Celtis occidentaloidea* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Cercis* cf. *chinensis* Bunge, *Cinnamomum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cornus* cf. *sanguinea* L., *Daphne* cf. *laureola* L., *Daphne* sp., *Diospyros bánensis* Kovács, *Diospyros brachysepala* Al. Braun, *Diospyros* sp., *Donacites erdőbényensis* Cziffery, *Euonymus* cf. *europaeus* L. var. *angustifolius* (Schultz) Rony, *Equisetum* sp., *Hemiptelea* cf. *davidii* (Hantke) Planch, *Ilex* cf. *opaca* Aiton, Leguminosae, *Liquidambar europaea* Al. Braun, *Liquidambar ternata* Andreánszky et Novák, *Lomatites agriensis* Saporta, *Ostrya angustifolia* Andreánszky sp. nov., *Ostrya atlantidis* Unger, *Ostrya* sp., *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Pistacia* cf. *lentiscus* L., *Platanus aceroides* Goepfert, *Populus* sp., *Pteris palaeoaurita* Kovács, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterocarya* sp., *Quercus kubinyii* (Kováts) Czezcott, *Quercus pontica miocenica* Kubát, *Quercus pseudoalnus* Ettingshausen, *Quercus* sp., *Rhamnus* cf. *alaternus* Ettingshausen, *Rhus* cf. *coriaria* L., *Rosa legányii* Andreánszky sp. nov., *Rosa* sp., *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix* cf. *pentandra* L., *Salix* sp., *Sapindus ungeri* Ettingshausen, *Sassafras ferretianum* Massalongo, *Sophora europaea* Al. Braun, *Styrax* cf. *officinalis* L., *Taxus* sp. vel *Torreya* sp., *Ulmus* cf. *campestris* L., *Ulmus plurinervis* Unger, *Ulmus* sp., *Viburnum* cf. *tinus* L., *Zelkova ungeri* Kovács = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).

Remains: *Alnus bánhorvátensis* Andreánszky sp. nov., *Cyclocarya cycloptera* (Schlechtendal) Iljinskaja, *Salix* cf. *alba* L. (ANDREÁNSZKY 1961).

Remains: *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen (ANDREÁNSZKY 1963b).

Strata: tuff.

Deposited at: BP.

Buják

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus feroniae* (Unger) Czezcott = *Alnus julianaeformis* (Sternberg) Kvaček et Holý, *Alnus nógrádensis* Varga sp. nov., *Carpinus grandis* Unger, *Carpinus* sp., *Celtis trachytica* Ettingshausen, *Fagus* cf. *orientalis* Lipsky, *Juglans* sp., *Liquidambar europaea* Al. Braun, Palmaceae, *Parrotia*

fagifolia (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Populus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czeczott, *Quercus pontica miocenica* Kubát, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (VARGA 1955b).

Remains: *Acer* cf. *laetum* C. A. Meyer, *Smilax praeaspera* Andreánszky sp. nov. (ANDREÁNSZKY 1956).

Remains: *Acer* cf. *cappadocicum* Gleditsch, *Acer decipiens* Al. Braun, *Acer* cf. *rubrum* var. *tomentosum* (Desfontaines) K. Koch, *Acer* sp., *Alnus feroniae* (Unger) Czeczott = *Alnus julianaeformis* (Sternberg) Kvaček et Holý, *Alnus* cf. *glutinosa* Gartner, *Alnus kefersteinii* (Goepfert) Unger, *Alnus nógrádensis* Varga, *Alnus* sp., *Betula dryadum* Brongniart, *Betula prisca* Ettingshausen, *Betula* sp., *Carpinus grandis* Unger, *Carya* sp., *Celtis trachytica* Ettingshausen, *Cercidiphyllum crenatum* (Unger) Brown, *Cercis* cf. *siliquastrum* L., *Cinnamonum scheuchzeri* Heer = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cissus* sp. 2, *Diospyros* cf. *lotus* L., *Eucommia europaea* Madl., *Fagus* cf. *orientalis* Lipsky, *Ficus tiliifolia* (Al. Braun) Heer = *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Hamamelis* sp.?, *Juglans* sp., *Liquidambar europaea* Al. Braun, *Liquidambaroxylon* sp., *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Phoenicites* sp., ?*Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Populus balsamoides* Goepfert, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercocoxylon* cf. *Quercus ilex* L., *Quercus hispanica* Rér., *Quercus* cf. *ilex* L., *Quercus kubinyii* (Kováts) Czeczott, *Quercus pontica miocenica* Kubát, *Rhamnus* cf. *alaternus* L., *Rhus* cf. *coriaria* L., *Salix angusta* Al. Braun, *Sapindus falcifolius* Al. Braun, *Sapindus ungeri* Ettingshausen, Sapindaceae, *Smilax praeaspera* Andreánszky, ?*Styrax* sp., *Ulmoxylon* sp., *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus* sp., *Woodwardites* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).

Remain: *Acer* cf. *nordenskiöldii* Nathorst (ANDREÁNSZKY 1961).

Remains: *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Quercus deuterozana* Unger (ANDREÁNSZKY 1963b).

Strata: sandstone.

Deposited at: BP, Pásztó.

Bükkmogyorósd: Baglyas-gödör

Remains: *Alnus crebrinervis* Kovács, *Carpinus grandis* Unger, *Carpinus* sp., *Corylus* cf. *avellana* L., Monocotyledonae gen. et sp., *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Ulmus longifolia* Unger, *Ulmus orbicularis* Andreánszky et Cziffery sp. nov., *Ulmus plurinervia* Unger (ANDREÁNSZKY 1963b).

Strata: sandstone.

Deposited at: MM.

Bükkszentmárton: Isten-tető

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer* sect. *Palmata* Pax, cf. *Acer vindobonense* (Ettingshausen) Stur, *Celtis trachytica* Ettingshausen, *Cephalotaxus* cf. *drupacea* Siebold et Zuccarini = *Cephalotaxus harringtonia* (Knight) K. Koch, *Fagus angusta* Andreánszky, *Fagus* cf. *grandifolia* Ehrhardt, *Platanus aceroides* Goepfert, *Populus bükkensis* Andreánszky sp. nov. (ANDREÁNSZKY 1966b).

Strata: sandstone.

Deposited at: MM.

Dédestapolcsány: Gulyadéllő

Remains: *Alangium hungaricum* Andreánszky sp. nov., *Cedrela sarmatica* Kovács, *Fagus* sp., *Paeoniaecarpum hungaricum* Andreánszky, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Pittosporum szántóinum* (Unger) Andreánszky, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Populus palaeopruiosa* Andreánszky sp. nov., *Populus* cf. *tremuloides* Michaux, *Populus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus pontica miocenica* Kubát, *Quercus* sp., *Rosa legányii* Andreánszky, *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix* sp., *Sequoia* sp., *Smilax borsodensis* Andreánszky, *Ulmus plurinervia* Unger, *Zelkova ungeri* Kovács = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1963b).

Strata: tuff.

Deposited at: BP.

Dédestapolcsány: Halabuka

Remain: *Araceaphyllum* sp. (ANDREÁNSZKY 1961).

Remains: *Carpinus* sp., *Celastrphyllum maytenoides* Kovács, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Quercus pontica miocenica* Kubát (ANDREÁNSZKY 1963b).

Remain: *Platanus aceroides* Goepfert = *Platanus platanifolia* (Ettingshausen) Knobloch (ANDREÁNSZKY 1966b).

Strata: sandstone.

Deposited at: unknown.

Dédestapolcsány: Mocsolyamál

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Celtis trachytica* Ettingshausen, Monocotyledonae gen. et sp., *Populus* sp., *Quercus pontica miocenica* Kubát, *Salix media* Al. Braun, *Sapindus falcifolius* Al. Braun, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus* sp. (ANDREÁNSZKY 1963b).

Remains: *Cercidiphyllum crenatum* (Unger) Brown, *Ficus tiliaefolia* (Al. Braun) Heer = *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Vitis banensis* Andreánszky (ANDREÁNSZKY 1964b).

Strata: tuff.
Deposited at: BP.

Dédestapolcsány: Szelecsi-völgy

Remains: *Acer divaricatum* Andreánszky sp. nov., *Acer* cf. *negundo* L., *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Carya* cf. *tomentosa* (Poiret) Nuttall, *Cerantonia* cf. *siliqua* L., *Cissus* sp. 1, 2, *Fagus* sp., *Juglans* sp., *Magnolia diana* Unger, *Magnolia* sp., *Myrsinites* cf. *Pleioomeris canariensis* (Willdenow) De Candolle, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus balsamoides* Goepfert, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus pontica miocenica* Kubát, *Rosa legányii* Andreánszky sp. nov. (ANDREÁNSZKY 1959a).

Remain: *Paeoniaecarpum hungaricum* Andreánszky sp. nov. (ANDREÁNSZKY 1961).

Remain: *Magnolia diana* Unger (ANDREÁNSZKY 1965a).

Strata: rhyolitic tuff.

Deposited at: BP, partly unknown.

Diósgyőr: Nagybakos

Remains: *Alnus crebrinervis* Kovács, *Equisetum* sp., *Ficus multinervis* Heer, Monocotyledonae gen. et sp., *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Rhamnus* cf. *alaternus* L., *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix* sp., *Ulmus drepanodonta* Gruber (ANDREÁNSZKY 1963b).

Strata: tuff.

Deposited at: BP.

Egerbocs

Remains: *Juglans legányii* Andreánszky sp. nov., *Tilia sarmatica* Andreánszky sp. nov. (ANDREÁNSZKY 1956).

Deposited at: MM.

Egerszólát: Bagoly-völgy

Remains: *Acer tataricoides* Andreánszky, *Acer* sp. sect. *Palmata*, *Alnus nógrádensis* Varga, *Betula* cf. *lenta* L., *Betula* sp., *Carpinus grandis* Unger, *Fagus* cf. *grandifolia* Ehrhardt, *Fagus* cf. *orientalis* Lipsky, *Ficus tiliaefolia* (Al. Braun) Heer = *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Liquidambar europaea* Al. Braun, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus pontica miocenica* Kubát, *Ulmus longifolia* Unger (ANDREÁNSZKY 1963b).

Strata: sandstone.

Remain: *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch (ANDREÁNSZKY 1963b).

Strata: marl.

Remains: *Carpinus grandis* Unger, *Cornus* cf. *sanguinea* L., *Fagus* cf. *grandifolia* Ehrhardt, *Monopleurophyllum hungaricum* Andreánszky, *Platanus aceroides* Goepfert, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Ulmus* sp. (ANDREÁNSZKY 1963b).

Strata: rhyolitic tuff.

Remains: *Fagus* sp., *Monopleurophyllum hungaricum* cf. *serratum* Andreánszky, *Ostrya antiqua* Gruber (ANDREÁNSZKY 1964b).

Deposited at: MM.

Erdőbénye

Remain: *Cystoseirites* sp. (HAZSLINSZKY 1865–1866).

Remain: *Cystoseirites partschii* Sternberg (STAUB 1889b).

Remains: *Acer andreánszkyi* Cziffery, *Acer decipiens* Al. Braun, *Acer inaequilobium* Kováts, *Acer integerrimum* Viviani, *Acer jurenaki* Stur, *Acer palaeosaccharinum* Stur, *Acer trachyticum* Kováts, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspidatum* Bronn, *Ailanthus confucii* Unger, *Alnus feroniae* (Unger) Czegezott, *Alnus kefersteinii* Unger, *Alnus* cf. *rugosa* (Du Roi) Sprengel, *Anacardites* sp., cf. *Schinus molle* L., *Andromeda protogaea* Unger, *Andromeda weberi* Andreánszky, *Apocynophyllum sessile* Unger, *Betula prisca* Ettingshausen, *Betula ungeri* Andrä, *Callistemophyllum hungaricum* Cziffery, *Callitrites brongniarti* Endlicher = *Tetraclinis brachyodon* (Brongniart) Mai et Walther, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, ?*Carpinus producta* Kováts, *Carpinus pyramidalis* Unger, *Carya bilinica* Unger, *Carya sturii* Unger, *Cassia ambigua* Unger, *Cassia lignitum* Unger, *Cassia hyperborea* Unger, *Cassia weinmanniaefolia* Kováts, *Cedrela sarmatica* Kovács, *Cedrela* sp., *Celastrus elaeus* Unger, *Celastrus pyrrhae* Ettingshausen, *Celtis occidentaloidea* Kovács, *Celtis trachytica* Ettingshausen, *Cercis* cf. *siliquastrum* L., *Cupanoidea arcinervia* Ettingshausen, *Cupressus* cf. *sempervirens* L., *Cyperites tertiaris* Unger, *Cystoseirites delicatula* Kováts, *Cystoseirites partschii* Sternberg, *Diospyros bánensis* Kovács, *Diospyros brachysepala* Al. Braun, *Engelhardtia brongniarti* Ettingshausen = *Engelhardtia macroptera* (Brongniart) Unger, *Engelhardtia vera* (Andrä) Ettingshausen, *Eucommia europaea* Müdl., *Fagus haidingeri* Kováts, *Fagus* cf. *orientalis* Lipsky, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Heer, "Hakea" erdőbényensis Stur, *Hedera* cf. *helix* L., *Ilex oreadum* Ettingshausen, *Ilex parschlugiana* Unger, *Juglans acuminata* Al. Braun, *Juglans latifolia* Al. Braun, *Laurus agathophyllum* Unger, *Laurus* cf. *nobilis* Heer, *Libocedrus tárkányensis* Andreánszky, *Liquidambar* cf. *europaea* Al. Braun, *Liriodendron procaccinii* Unger, *Lomatites aquensis* Saporta, *Mimosites palaeogaea* Unger, *Musci* sp. cf. *Amblystegium* sp., *Myrica deperdita* Ettingshausen, *Myrica integrifolia* Unger, *Myrsine celastroides* Ettingshausen, *Myrsinites* cf. *Pleioimeris canariensis* (Willdenow) De Candolle, *Ostrya antiqua* Gruber, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Phragmites oenigensis* Al. Braun, *Picea* sp. vel *Tsuga* sp., *Pinus goethanus* Unger, *Pinus* cf. *halepensis* Miller, *Pinus hungarica* Kováts, *Pinus kotschyana* Unger, *Pinus* (*Taeda*) *rigios* Unger, *Pistacia lentiscoidea* Andreánszky et Cziffery, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al.

Braun) *Herendeen*, ?*Populus attenuata* Al. Braun, *Populus* cf. *deltoides* Marshall, *Populus heliadum* Kováts, *Populus insularis* Kováts, *Populus styracifolia* Weber, *Potamogeton cuspidatus* Ettingshausen, *Potamogeton inquirendus* Kováts, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterospermites vagans* Heer, *Quercus grandidentata* Unger, ?*Quercus ilicites* Weber, *Quercus kubinyii* (Kováts) Czezcott, *Quercus mediterranea* Unger, *Quercus pseudoalnus* Ettingshausen, *Quercus pseudoilex* Kováts, *Quercus psedorobur* Kováts, *Quercus* cf. *robur-petraea*, *Quercus urophylla* Unger, *Quercus zemplénensis* Cziffery, *Rapanea erdőbényensis* Andreánszky et Cziffery, *Rhamnus gaudini* Heer, *Rhamnus oeningensis* Heer, *Rhus blitum* Saporta, *Rhus prisca* Ettingshausen, *Robinia atavia* Unger, *Salix angusta* Al. Braun, *Salix arcinervia* Weber, *Santalum acheronticum* Ettingshausen, *Sapindus falcifolius* Al. Braun, *Sapotacites minor* Ettingshausen, *Sequoia langsdorfii* (Brongniart) Heer, *Sophora europaea* Unger, *Styrax borealis* Unger, *Terminalia miocenica* Unger, *Ulmus paucinervia* Cziffery, *Ulmus plurinervia* Unger, *Vitis tokayensis* Stur, *Weinmannia ettingshauseni* Kováts, *Weinmannia europaea* Ettingshausen, *Weinmannia microphylla* Ettingshausen, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zichya nostratum* Kováts (CZIFFERY-SZILÁGYI 1960).

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Remain: *Leguminocarpon* type VII (HABLY 1992d).

Remains: *Quercus psedocastanea* Goeppert emend. Walther et Zastawniak, *Quercus roburoides* Gaudin, *Tetraclinis salicornioides* (Unger) Kvaček (KOVAR-EDER *et al.* 1996).

Deposited at: BP, MÁFI.

Erdőbénye: Barnamáj

Remains: *Acer inaequilobium* Kováts, *Acer trachyticum* Kováts, *Bambusium trachyticum* Kováts, *Callitrites brongniarti* Endlicher = *Tetraclinis brachyodon* (Brongniart) Mai et Walther, *Carpinus neilreichii* Kováts, *Carpinus producta* Unger, *Carya sepulta* Kováts, *Cassia weinmanniaefolia* Kováts, *Castanea kubinyii* Kováts = *Quercus kubinyii* (Kováts) Czezcott, *Celtis trachytica* Ettingshausen, *Cystoseirites delicatula* Kováts, *Cystoseirites partschii* Sternberg, *Fagus haidingeri* Kováts, *Juglans latifolia* Al. Braun, *Pinites diana* Kováts, *Pinites hakeoides* Kováts, *Pinites hungaricus* Kováts, *Pinites junonis* Kováts, *Populus heliadum* Unger, *Populus insularis* Kováts, *Potamogeton inquirendus* Kováts, *Quercus pseudoilex* Kováts, *Quercus psedorobur* Kováts, *Quercus pseudoserra* Kováts, *Quercus szirmayana* Kováts = *Quercus mediterranea* Unger, *Quercus urophylla* Unger, *Santanum acheronticum* Ettingshausen, *Sapindus erdőbényensis* Kováts = *Sapindus falcifolius* Al. Braun, *Ulmus plurinervia* Unger, *Weinmannia ettingshauseni* Kováts, *Widdringtonites ungeri* Endlicher = *Glyptostrobus europaeus* (Brongniart) Heer, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zichya nostratum* Kováts (KOVÁTS 1856a).

Remain: *Ulmus paucinervia* Cziffery sp. nov. (CZIFFERY-SZILÁGYI 1955).

Remains: *Acer andreánszkyi* Cziffery, *Acer decipiens* Al. Braun, *Acer inaequilobium* Kováts, *Acer jurenaki* Stur, *Acer palaeosaccharinum* Stur, *Acer trachyticum* Ettingshausen, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus feroniae* (Unger) Czezcott, *Alnus kefersteinii* (Goeppert) Unger, *Andromeda protogaea* Unger, *Andromeda weberi* Andreánszky, *Apocynophyllum sessile* Unger, *Betula prisca* Ettingshausen, *Betula ungeri* Andrä, *Callitrites brongniarti* Endlicher = *Tetraclinis brachyodon* (Brongniart) Mai et Walther, *Carpinus neilreichii* Kováts, ?*Carpinus producta* Kováts, *Carpinus* sp., *Carya bilinica* Unger, *Carya sturii* Unger, ?*Cassia ambigua* Unger, *Cassia hyperborea* Unger, *Cassia lignitum* Unger,

Cassia weinmanniaefolia Kováts, *Cedrela* sp., *Celastrus andromedae* Unger, *Celastrus elaeagnus* Unger, *Celastrus pyrrhae* Ettingshausen, *Celtis trachytica* Ettingshausen, *Culmites arundinaceus* Ettingshausen, *Cupressus* cf. *sempervirens* L., *Cyperites tertarius* Unger, *Cystoseirites delicatula* Kováts, *Cystoseirites partschii* Sternberg, ?*Engelhardtia vera* (Andrá) Ettingshausen, *Eucommia europaea* Mädl., *Fagus haidingeri* Kováts, *Ficus populina* Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Hakea erdőbényensis* Stur, *Ilex oreadam* Ettingshausen, *Juglans acuminata* Al. Braun, *Juglans latifolia* Al. Braun, *Laurus agathophyllum* Unger, *Mimosites palaeogaea* Unger, *Myrica deperdita* Unger, *Myrica integrifolia* Unger, *Pinus* sp., *Pinus goethana* Unger, *Pinus hungarica* Kováts, *Pinus junonis* Kováts, *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, ?*Populus attenuata* Al. Braun, *Populus heliadum* Kováts, ?*Populus insularis* Kováts, *Populus styracifolia* Weber, *Potamogeton cuspidatus* Ettingshausen, *Potamogeton inquirendus* Kováts, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterospermites vagans* Heer, ?*Quercus grandidentata* Unger, ?*Quercus ilicites* Weber, *Quercus kubinyii* (Kováts) Czeczott, *Quercus mediterranea* Unger, *Quercus pseudoalnus* Ettingshausen, *Quercus pseudoilex* Kováts, *Quercus psedorobur* Kováts, *Quercus urophylla* Unger, *Rhus prisca* Ettingshausen, *Robinia atavia* Unger, *Santalum acheronticum* Ettingshausen, *Sapindus falcifolius* Al. Braun, *Sapotacites minor* Ettingshausen, *Sophora europaea* Unger, *Styrax borealis* Unger, *Ulmus paucinervia* Cziffery, *Ulmus plurinervia* Unger, *Vitis tokayensis* Stur, *Weinmannia ettingshauseni* Kováts, *Weinmannia europaea* Ettingshausen, *Weinmannia microphylla* Kováts, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zichya nostratum* Kováts (ANDREÁNSZKY 1959a).

Remains: *Acer integerrimum* (Viviani) Massalongo, *Acer* div. sp. (fruit), *Acer* sp., *Alnus* sp., *Berberis* sp., *Carpinus betulus* L. fossilis, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carya serriifolia* (Goepfert) Kräusel, *Carya* sp., *Celtis trachytica* Ettingshausen, Cupressaceae gen. et sp., *Cystoseirites partschii* Sternberg, *Fagus haidingeri* Kováts, *Glyptostrobus europaeus* (Brongniart) Heer, Lauraceae gen. et sp., Leguminosae gen. et sp., *Magnolia* sp., *Pinus neptuni* (Unger) Unger, *Pinus* ex gr. *hepios* (Unger) Heer, *Pinus* sp., *Populus populina* (Brongniart) Knobloch, *Quercus drymeja* Unger, *Quercus kubinyii* (Kováts) Czeczott, *Quercus mediterranea* Unger, *Quercus pseudorobur* Kováts, *Quercus* sp., *Rhamnaceae* gen. et sp., "Sapindus" *falcifolius* Al. Braun, *Ulmus braunii* Heer, *Ulmus* sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ERDEI and HÍR 2002).

Strata: rhyolitic tuff with clayey tuffite intercalations, limnoquartzite.

Deposited at: BP.

Erdőbénye: Kővágó-oldal

Remains: *Acer andreánszkyi* Cziffery sp. nov., *Acer decipiens* Al. Braun, *Ailanthus* sp., *Callistophyllum hungaricum* Cziffery sp. nov., *Carpinus grandis* Unger, *Cedrela sarmatica* Kováts, *Celastrus pyrrhae* Ettingshausen, *Celtis vulcanica* Kováts, *Cupressus* cf. *sempervirens* L., *Diospyros bánensis* Kováts, *Diospyros brachysepala* Al. Braun, *Donacites erdőbényensis* Cziffery gen. et sp. nov., *Eucommia europaea* Mädl., ?*Fagus* cf. *orientalis* Lipsky, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Laurus agathophyllum* Unger, *Libocedrus salicornioides* (Unger) Heer = *Tetraclinis salicornioides* (Unger) Kvaček, *Liquidambar europaea* Al. Braun, *Lomatites aquensis* Saporta, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Platanus aceroides* Goepfert, *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Heren-

deen, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus mediterranea* Unger, *Quercus zemplénensis* Cziffery sp. nov., *Rhus blitum* Saporta, *Sequoia langsdorfii* (Brongniart) Heer, *Styrax* cf. *officinalis* Heer, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (CZIFFERY-SZILÁGYI 1955).

Remains: *Acer andreánszkyi* Cziffery, *Acer decipiens* Al. Braun, *Acer* sp., *Ailanthus confucii* Unger, *Alnus kefersteinii* (Goepfert) Unger, *Anacardites* sp. cf. *Schinus molle* L., *Betula prisca* Ettingshausen, *Betula* sp., *Callistemophyllum hungaricum* Cziffery, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carpinus pyramidalis* Unger, *Carpinus* sp., *Cedrela sarmatica* Kovács, *Cedrela* sp., *Celastrus pyrrhae* Ettingshausen, *Celtis occidentalis* Kovács, *Celtis trachytica* Ettingshausen, *Cercis* cf. *siliquastrum* L., *Cupressus* cf. *sempervirens* L., *Cystoseirites delicatula* Kováts, *Cystoseirites partschii* Sternberg, *Diospyros bánensis* Kovács, *Diospyros brachysepala* Al. Braun, *Donacites erdőbényensis* Cziffery, *Fagus haidingeri* Kováts, *Fagus* cf. *orientalis* Lipsky, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Hedera* cf. *helix* L., *Ilex parschlugiana* Unger, *Laurus* cf. *nobilis* L., *Libocedrus tárkányensis* Andreánszky, *Liquidambar* cf. *europaea* Unger, *Liriodendron procaccinii* Unger, *Lomatites aquensis* Saporta, Musci sp. cf. *Amblystegium* sp., *Myrsine celastroides* Ettingshausen, *Myrsinites* cf. *Pleiomeris canariensis* (Willdenow) De Candolle, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Picea* sp., *Pinus* cf. *halepensis* Miller, *Pinus hungarica* Kováts, *Pinus junonis* Kováts, *Pinus* sp., *Pistacia lentiscoides* Andreánszky et Cziffery, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czecczot, *Quercus mediterranea* Unger, *Quercus pseudoalnus* Ettingshausen, *Quercus pseudoilex* Kováts, *Quercus* cf. *robur-petraea*, *Quercus zemplénensis* Cziffery, *Quercus* sp., *Rapanea erdőbényensis* Andreánszky et Cziffery sp. nov., *Rhamnus* cf. *gaudini* Heer, *Rhamnus oeningensis* Heer, *Rhus blitum* Saporta, *Sapindus falcifolius* Al. Braun, *Sequoia langsdorfii* (Brongniart) Heer, *Ulmus paucinervia* Cziffery, *Ulmus plurinervia* Unger, *Vitis tokayensis* Stur, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zichya nostratum* Kováts (ANDREÁNSZKY 1959a).

Remain: *Berberis andreánszkyi* Kvaček et Erdei sp. nov. (KVAČEK and ERDEI 2001).

Remains: *Acer integerrimum* (Viviani) Massalongo, *Acer tricuspdatum* Bronn, *Acer* div. sp. (fruit), *Acer* sp., *Ailanthus confucii* Unger, *Alnus* sp., *Betulaceae* gen. et sp., *Berberis andreánszkyi* Z. Kvaček et Erdei, *Buxus* sp., *Carpinus betulus* L. fossilis, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carya serrifolia* (Goepfert) Kräusel, *Celtis trachytica* Ettingshausen, *Cupressaceae* gen. et sp., *Cystoseirites partschii* Sternberg, "*Diospyros*" *brachysepala* Al. Braun, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Fagus haidingeri* Kováts, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Ilex parschlugiana* Unger, *Lauraceae* gen. et sp., *Leguminocarpum* div. sp., *Liquidambar europaea* Unger, *Parrotia pristina* (Ettingshausen) Stur, *Pinus* ex gr. *hepios* (Unger) Heer, *Pinus rigos* Unger, *Pinus* sp., *Pistacia lentiscoides* Andreánszky et Cziffery, *Platanus* sp., *Podocarpium podocarpum* (Al. Braun) Herendeen, *Populus* sp., *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus drymeja* Unger, *Quercus kubinyii* (Kováts) Czecczot, *Quercus mediterranea* Unger, *Quercus* sp., *Rhamnaceae* gen. et sp., "*Sapindus*" *falcifolius* Al. Braun, *Taxodiaceae* gen. et sp., *Tetraclinis salicornioides* (Unger) Kvaček, *Ulmus braunii* Heer, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zizyphus* sp. vel *Paliurus* sp. (ERDEI and HÍR 2002).

Strata: rhyolitic tuff.

Deposited at: BP.

Erdőbénye: Ligetmajor

Remains: Abietaceae gen. et sp., *Acer integerrimum* (Viviani) Massalongo, *Acer* sp., Araliaceae, Betulaceae, *Carpinus neilreichii* Kováts, *Carpinus pyramidalis* Gaudin in Gaudin et Strozzi, *Carya minor* Saporta et Marion, *Carya* sp., *Celtis japeti* Unger, *Cupressus* cf. *sempervirens* L., “*Dalbergia bella*” Heer, *Daphne oehningensis* (Al. Braun) Weyland, cf. *Daphnogene* sp., *Diospyros* aff. *pannonica* Ettingshausen, *Diopyros* sp., *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther. *Fagus haidingeri* Kováts, *Ilex gracilis* Kolakovskij, Lauraceae gen. et sp., *Laurus* sp., Leguminosae gen. et sp., Monocotyledonae gen. et sp., *Podogonium knorrii* (Al. Braun) Heer = *Podogonium podocarpum* (Al. Braun) Herendeen, *Potamogeton* sp., *Pteleacarpum europaeum* (Bronn) Bůžek et Knobloch in Knobloch, *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czechtz, *Quercus mediterranea* Unger, *Quercus neriifolia* Al. Braun, *Quercus pseudocastanea* Goepfert, *Quercus sapperi* (Menzel) Mai, *Quercus urophylla* Unger, *Rhus* sp., *Rosa lignitum* Heer, *Sabal major* (Unger) Heer, *Sapindus falcifolius* Al. Braun, *Smilax weberi* Wessel in Wessel et Weber, Sphenopsida, *Ulmus plurinervia* Unger, *Ulmus* sp., *Vitis teutonica* Al. Braun, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ERDEI 1995).

Remains: *Acer integerrimum* (Viviani) Massalongo, *Acer* div. sp. (fruit), Betulaceae gen. et sp., *Carpinus betulus* L. fossilis, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carya seriifolia* (Goepfert) Kräusel, *Carya* sp., *Celtis trachytica* Ettingshausen, Cupressaceae gen. et sp., cf. *Daphnogene* sp., *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Fagus haidingeri* Kováts, Lauraceae gen. et sp., Leguminosae gen. et sp., *Parrotia pristina* (Ettingshausen) Stur, *Pinus* sp., *Podocarpium podocarpum* (Al. Braun) Herendeen, *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus drymeja* Unger, *Quercus kubinyii* (Kováts) Czechtz, *Quercus mediterranea* Unger, *Quercus pseudorobur* Kováts, *Quercus* sp., *Rosa lignitum* Heer, *Sabalites* sp., “*Sapindus*” *falcifolius* Al. Braun, *Ulmus braunii* Heer, *Ulmus* sp., *Vitis teutonica* Unger, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ERDEI and HÍR 2002).

Strata: limnoquartzite, diatomaceous earth.

Deposited at: BP.

Felsőtárkány

Remain: *Pteris parschlugiana* Unger (ANDREÁNSZKY 1949a).

Remains: *Acer decipiens* Al. Braun, *Acer* sp. cf. *tomentosum* Desfontaines, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer* sp., *Betula* sp., *Carpinus grandis* Unger, *Cedrela sarmatica* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Corylus* cf. *avellana* L., *Equisetum* sp., *Ficus tiliaefolia* (Al. Braun) Heer = *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Glyptostrobus europaeus* (Brongniart) Heer, *Liquidambar protensa* Unger, Musaceae sp., *Musophyllum tárkányense* Bubik sp. nov., *Ostrya atlantidis* Unger, *Pinus* sp., *Platanus aceroides* Goepfert, *Pteris* cf. *biaurita* L., *Pteris parschlugiana* Unger = *Osmunda parschlugiana* (Unger) Andreánszky, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czechtz, *Quercus pontica miocenica* Kubát sp. nov., *Quercus* cf. *robur* L., *Quercus* sp., *Salix* cf. *fragilis* L., *Salix pentandra miocenica* Bubik sp. nov., ?*Sequoia langsdorfii* (Brongniart) Heer, *Ulmus plurinervia* Unger, *Ulmus* cf. *scabra* L., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (KUBÁT and BUBIK 1955).

Remains: *Alnus crebrinervis* Kovács, *Alnus kefersteinii* (Goeppert) Unger, *Betula brongniarti* Ettingshausen, *Betula dryadum* Brongniart, *Betula* cf. *lenta* L., *Betula* sp., *Cercidiphyllum andreánszkyi* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Clethra* sp., *Ficus grandifolia* Unger, *Ficus tiliaefolia* (Al. Braun) Heer = *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Ginkgo adiantoides* (Unger) Heer, *Pteris palaeoaurita* Kovács, *Pteris parschlugiana* Unger = *Osmunda parschlugiana* (Unger) Andreánszky, *Sequoia langsdorfii* (Brongniart) Heer, *Ulmus longifolia* Unger, *Ulmus subintegrifolia* Cziffery sp. nov. (CZIFFERY-SZILÁGYI 1956).

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer trilobatum* var. *tomentosum* Desfontaines, *Acer* sp., *Alnus crebrinervis* Kovács, *Alnus kefersteinii* (Goeppert) Unger, *Alnus* sp., *Betula* cf. *lenta* L., *Betula prisca* Ettingshausen, *Betula* sp., *Cedrela sarmatica* Kovács, *Cercidiphyllum andreánszkyi* Kovács sp. nov., *Cercidiphyllum crenatum* (Unger) Brown, *Liquidambar protensa* Unger, *Ostrya atlantidis* Unger, *Platanus aceroides* Goeppert, *Pteris palaeoaurita* Kovács sp. nov., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus pontica miocenica* Kubát, *Quercus pseudoalnus* Ettingshausen, *Salix* cf. *fragilis* L., *Ulmus plurinervia* Unger (KOVÁCS 1957c).

Remains: *Acer decipiens* Al. Braun, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer trilobatum* var. *tomentosum* Desfontaines, *Acer* sp., *Alnus crebrinervis* Kovács, *Alnus kefersteinii* (Goeppert) Unger, *Alnus* sp., *Betula brongniarti* Saporta, *Betula dryadum* Brongniart, *Betula* cf. *lenta* L., *Betula prisca* Ettingshausen, *Betula* sp., *Carpinus grandis* Unger, *Cedrela sarmatica* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Clethra* sp., *Coccomyces* sp., *Cornus* cf. *sanguinea* L., *Corylus* cf. *avellana* L., *Corylus macquarii* (Forbes) Massalongo et Visiani, *Equisetum* sp., *Ficus grandifolia* Unger, *Ficus tiliaefolia* (Al. Braun) Heer, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Libocedrus tárkányensis* Andreánszky, *Liquidambar pseudoprotensa* Andreánszky sp. nov., *Magnolia* sp., Monocotyledonae gen. et sp., Musaceae, *Musophyllum tárkányense* Bubik, *Naevia* sp., *Osmunda parschlugiana* (Unger) Andreánszky, *Ostrya atlantidis* Unger, *Pinus palaeostrobos* Ettingshausen, *Platanus aceroides* Goeppert = *Platanus leucophylla* (Unger) Knobloch, *Pteris palaeoaurita* Kovács, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterospermites vagans* Heer, *Quercus kubinyii* (Kováts) Czezzott, *Quercus pontica miocenica* Kubát, *Quercus* cf. *robur petraea*, *Quercus* sp., *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix pentandra miocenica* Kubát, *Sequoia langsdorfii* (Brongniart) Heer, *Typha* sp., *Ulmus* cf. *campestris* L., *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus subintegrifolia* Cziffery, *Ulmus* sp., *Zelkova ungeri* Kovács = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).

Remain: *Osmunda parschlugiana* (Unger) Andreánszky (ANDREÁNSZKY 1961).

Remain: *Osmunda heeri* Gaudin (PÁLFALVY 1980).

Remains: *Acer* div. sp. (fruit), *Acer* cf. *palaeosaccharinum* Stur, *Acer* sp., *Acer tricuspdatum* Bronn, *Alnus cecropiifolia* (Ettingshausen) Berger, *Alnus* sp., *Banisteriaecarpum giganteum* (Goeppert) Kräusel, Betulaceae gen. et sp., *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Cercidiphyllum crenatum* (Unger) Brown, *Glyptostrobus europaeus* (Brongniart) Heer, *Musophyllum tarkanyense* Bubik, *Osmunda parschlugiana* (Unger) Andreánszky, *Pteris palaeoaurita* Kovács, *Quercus kubinyii* (Kováts) Czezzott, *Quercus pontica miocenica* Kubát, *Quercus* sp., cf. *Salix varians* Goeppert, *Ulmus braunii* Heer, *Ulmus pyramidalis* Goeppert, *Ulmus* sp. (ERDEI and HÍR 2002).

Strata: clay, tuff.

Deposited at: BP, MÁFI.

Füzérkajata

Remains: *Quercus kubinyii* (Kováts) Czecczott, *Sassafras* sp., *Ulmus* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HAJÓS and PÁLFALVY 1963).

Strata: tuffic clay.

Deposited at: MÁFI.

Füzérradvány

Remains: *Abies* sp., *Acer decipiens* Al. Braun, *Acer monspessulanum* L. var. *pliocenicum* Müdl., *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus* sp., *Betula subpubescens* Goepfert, *Betula* sp., *Bytneria aequifolia* (Goepfert) Meyer, *Carpinus grandis* Unger, *Carya bilinica* Unger, *Carya minor* (Saporta et Marion) Marty, *Carya serraefolia* (Goepfert) Kräusel, *Cassia* sp. cf. *phaseolites* Unger, *Castanea atavia* Unger, *Celtis trachytica* Ettingshausen, *Ceratophyllum* sp., *Crataegus* sp., *Daphne* sp., *Eucommia europaea* Müdl., *Fagus attenuata* Goepfert, *Fagus haidingeri* Kováts, *Fagus pliocenica* Saporta, *Ficus tiliaefolia* Al. Braun = *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Glyptostrobus europaeus* (Brongniart) Heer, *Juglans acuminata* Al. Braun, *Leguminocarpon* sp., *Malus* sp., *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Pinus* sp. 1, 2, *Pyrus* sp., *Podogonium* sp. cf. *knorrii* Unger = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Populus attenuata* Al. Braun, *Populus crenata* Unger, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Prunus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterocarya tusca* (Weber) Berger, *Quercus* cf. *drymeja* Unger, *Quercus etymodrys* Unger, *Quercus mediterranea* Unger, *Quercus pseudocastanea* Goepfert, *Quercus* sp. 1, 2, *Quercus* sp. aff. *libani* Olivier, *Rhus obovata* (Unger) Heer, *Rhus* sp., *Robinia* sp. cf. *regeli* Heer, *Salix angusta* Al. Braun, *Salix* cf. *varians* Goepfert, *Sapindus falcifolius* Al. Braun, *Sapindus hazslinszkyi* Ettingshausen, *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer, *Ulmus plurinervia* Unger, *Ulmus* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zelkova* sp. (PÁLFALVY 1953b).

Remains: *Acer decipiens* Al. Braun, *Acer inaequilobium* Kováts, *Acer trachyticum* Kováts, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus* cf. *japonica* (Thunberg) Steudel, *Alnus* sp., *Betula prisca* Ettingshausen, *Betula* sp., *Carpinus grandis* Unger, *Carpinus* sp., *Carya* sp., *Castanea atavia* Al. Braun, *Cedrela sarmatica* Kovács, *Cercis* cf. *siliquastrum* L., *Crataegus* cf. *monogyna* Jacquin, *Daphne* sp., *Diospyros* sp., *Eucommia europaea* Müdl., *Euonymus* cf. *europaeus* L. var. *angustifolius* (Schultz) Rouy, *Euonymus* cf. *latifolius* (L.) Miller, *Fagus antipovii* Heer, *Fagus* cf. *grandifolia* Ehrhardt, *Fagus* cf. *orientalis* Lipsky, *Ficus tiliaefolia* (Al. Braun) Heer = *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Fraxinus* cf. *oxycarpa* Willdenow, *Glyptostrobus europaeus* (Brongniart) Heer, *Hamamelis* cf. *virginiana* Heer, *Juglandaceae* sp., *Juglans* cf. *regia* L., *Juglans* sp., *Laurus* cf. *nobilis* L., *Monocotyledonae* gen. et sp., *Myrsine doryphora* Unger, *Myrsinites* cf. *Pleiomeris canariensis* (Willdenow) De Candolle, *Ostrya* sp., *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Pinus* cf. *brutia* Tenore, *Pinus palaeostrobos* Ettingshausen, *Pinus* sp., *Pistacia* cf. *lentiscus* L., *?Pittosporum szántóinum* (Unger) Andreánszky, *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Populus* cf. *deltoides* Marshall, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Populus mutabilis* Heer, *Populus* cf. *nigra* L., *Populus* cf. *tremula* L., *Prunus* sp.,

Pterocarya denticulata (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus* cf. *castaneaefolia* C. A. Meyer, *Quercus kubinyii* (Kovács) Czeczott, *Quercus pontica mioce-*
nica Kubát, *Rhus* cf. *coriaria* L., *Rhus* cf. *glabra* L., *Rhus* sp., *Salix angusta* Al. Braun, *Santalum acheronticum* Ettingshausen, *Sapindus falcifolius* Al. Braun, cf. *Schinus molle* L.,
? *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer, *Ulmus longifolia* Unger, *Ulmus* sp., *Viburnum* cf. *tinus* L., *Zelkova ungeri* Kovács = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).

Remain: *Quercus pseudofurcinervis* Kovács et Pálfalvy (ANDREÁNSZKY 1963b).

Remains: *Acer decipiens* Al. Braun, *Quercus kubinyii* (Kovács) Czeczott, *Zelkova ungeri* Kovács =
Zelkova zelkovifolia (Unger) Bůžek et Kotlaba (HAJÓS and PÁLFALVY 1963).

Strata: sandstone, clay.

Deposited at: BP, MÁFI.

Hidas: Drilling No. 95

Remain: *Woodwardia muensteriana* (Presl in Sternberg) Kräusel (PÁLFALVY 1980).

Strata: clay.

Deposited at: MÁFI.

Kéked

Remains: *Alnus* sp., *Betula* sp., *Byttneria aequilifolia* (Goepfert) Meyer, *Carpinus* sp., *Equisetum*
sp., *Phragmites* sp., *Salix* sp., *Typha* sp. (PÁLFALVY 1961b).

Remain: *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček (HAJÓS and PÁLFALVY
1963).

Remain: *Osmunda heeri* Gaudin (PÁLFALVY 1980).

Strata: grey clay.

Deposited at: MÁFI.

Kondó: Harica-völgy

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus crebrinervis*
Kovács, *Betula* cf. *lenta* L., *Betula minima* Andreánszky sp. nov., *Betula* sp., *Cedrela sar-*
matica Kovács, *Celastrphyllum maytenoides* Kovács, *Cercidiphyllum crenatum* (Unger)
Brown, *Cinnamomum* sp. = *Daphnogene* sp., *Cocculus* sp., *Morus évae kovács* Andreánszky
sp. nov., *Ostrya atlantidis* Unger, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina*
(Ettingshausen) Stur, *Populus balsamoides* Goepfert, *Populus* cf. *simonii* Carrière, *Populus*
sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quer-*
cus pseudoalnus Ettingshausen, *Rhus* cf. *coriaria* L., *Rosa legányii* Andreánszky, *Salix*
angusta Al. Braun, *Salix* cf. *fragilis* L., *Ulmus* cf. *campestris* L., *Ulmus drepanodonta* Gruber,
Ulmus longifolia Unger, *Ulmus plurinervis* Unger, *Ulmus* sp. (ANDREÁNSZKY 1959a).

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus crebrinervis*
Kovács, *Betula* cf. *lenta* L., *Populus trichocarpoides* Andreánszky sp. nov., *Salix angusta* Al.
Braun, *Salix* cf. *fragilis* L., *Salix longa* Al. Braun (ANDREÁNSZKY 1964b).

Remains: *Acer divaricatum* Andreánszky, *Betula (Alnus) acutangula* Andreánszky, *Cornus praemomum* Kovács, *Equisetum parlatorii* (Heer) Schimper, *Hamamelis* cf. *japonica* Siebold et Zuccarini, *Liquidambar ternata* Andreánszky et Novák, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus latior* Al. Braun = *Populus populina* (Al. Braun) Knobloch, *Populus mutabilis* Heer (ANDREÁNSZKY 1966b).

Strata: tuff.

Deposited at: BP.

Mád

Remains: *Acer* cf. *pseudoplatanus* L., *Ailanthus* cf. *altissima* (Miller) Swartz, *Carpinus* cf. *americana* Michaux, *Carpinus grandis* Unger, *Castanea* cf. *pumila* Miller, *Cinnamomum* cf. *marioni* Lesquereux, *Diospyros brachysepala* Al. Braun, *Ficus tiliifolia* (Al. Braun) Heer = *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Glyptostrobus europaeus* (Brongniart) Heer, *Liquidambar europaea* Al. Braun, *Pinus freyeri* Unger, *Pinus taedaeformis* Unger, *Pinus* sp., *Platanus aceroides* Goepfert, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus pontica miocenica* Kubát, *Ulmus* cf. *americana* L., *Ulmus plurinervia* Unger (JÓZSA 1955).

Remains: *Acer decipiens* Al. Braun, *Acer* sp., Leguminosae, *Liquidambar europaea* Unger, Monocotyledonae gen. et sp., *Ostrya* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czezzott, *Quercus pontica miocenica* Kubát, *Rhus* sp., *Robinia regeli* Heer, *Ulmus* cf. *campestris* L., *Ulmus drepanodonta* Gruber, *Ulmus* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).

Locality: Mád-Koldu.

Deposited: BP.

Remain: *Osmunda heeri* Gaudin (PÁLFALVY 1980).

Locality: Mád-Koldu.

Deposited at: MÁFI.

Remains: *Carpinus grandis* Unger, *Castanea* cf. *pumila* Miller, *Glyptostrobus europaeus* (Brongniart) Heer, *Pinus freyeri* Unger, *Pinus taedaeformis* Unger, *Quercus kubinyii* (Kováts) Czezzott (ANDREÁNSZKY 1959a).

Locality: Mád-Isten-hegy.

Deposited at: BP.

Remains: *Acer decipiens* Al. Braun, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus* sp. cf. *Alnus orientalis* Decaisne, *Betula* sp. cf. *Betula lenta* L., *Carya* sp., *Cedrela sarmatica* Kovács, *Cinnamomophyllum polymorphum* (Al. Braun) Kräusel et Weyland = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cladrastis* sp. cf. *Cladrastis lutea* (Michaux) Koch, *Diospyros brachysepala* Al. Braun, *Euonymus* sp. cf. *Euonymus atropurpureus* L., *Fagus* sp. cf. *Fagus orientalis* Lipsky, *Liquidambar europaea* Al. Braun, *Magnolia* sp., *Osmunda heeri* Gaudin, *Ostrya atlantidis* Unger, *Pinus palaeostrobis* Ettingshausen, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Rhamnus* cf. *rectinervis* Heer, *Typha latissima* Al. Braun, *Ulmus drepanodonta* Gruber, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Vitis teutonica* Unger, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1962).

Locality: Mád-Rátkai-gyep.

Remains: *Acer decipiens* Al. Braun, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer* sp., *Alnus* sp., *Bytneria aequilifolia* (Goepfert) Meyer, *Carpinus grandis* Unger, *Carya serraefolia* (Goepfert) Kräusel, *Castanea atavia* Unger, *Castanea* sp. cf. *pumila* (L.) Miller, *Cercis* sp., *Cinnamomophyllum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Equisetum hiemale* L., *Fagus* sp. cf. *Fagus orientalis* Lipsky, *Fagus* sp., *Glyptostrobus europaeus* (Brongniart) Heer, *Juglans acuminata* Al. Braun, *Liquidambar europaea* Al. Braun, *Osmunda heeri* Gaudin, *Ostrya atlantidis* Unger, *Phragmites oeningensis* Al. Braun, *Pinus taedaeformis* (Unger) Heer, *Pinus* sp. cf. *Pinus brutia* Tenore, *Platanus aceroides* Goepfert = *Platanus platanifolia* (Ettingshausen) Knobloch, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czecczot, *Robinia regeli* Heer, *Typha latissima* Al. Braun, *Ulmus drepanodonta* Gruber, *Ulmus longifolia* Unger, *Ulmus* sp., *Vitis teutonica* Unger, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1962).

Locality: Mád-Hercegköves-hegy.

Remains: *Phragmites oeningensis* Al. Braun, *Pinus freyeri* Unger, *Typha latissima* Al. Braun, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1962).

Locality: Mád-Pádi-gyep.

Remains: *Acer* sp., *Carpinus grandis* Unger, *Carya* sp., *Fagus* sp., *Fraxinus* sp., *Glyptostrobus europaeus* (Brongniart) Heer, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Phragmites oeningensis* Al. Braun, *Pinus freyeri* Unger, *Pinus palaeostrobos* Ettingshausen, *Pinus taedaeformis* (Unger) Heer, *Quercus kubinyii* (Kováts) Czecczot, *Rhus* sp. cf. *Rhus cortaria* L., *Robinia regeli* Heer, *Sapindus falcifolius* Al. Braun, *Smilax* sp., *Ulmus longifolia* Unger, *Ulmus* sp., *Zelkova praelonga* (Unger) Berger, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1962).

Locality: Mád-Isten-hegy.

Remain: *Quercus* cf. *canariensis* Willdenow (ANDREÁNSZKY 1963b).

Remains: *Abies* sp., *Carpinus* sp., *Carya* sp., *Parrotia* sp., *Pinus* sp., *Podogonium* sp., *Quercus kubinyii* (Kováts) Czecczot (HAJÓS and PÁLFALVY 1963).

Strata: rhyolitic tuff.

Remains: *Glyptostrobus* sp., *Liquidambar* sp., *Magnolia* sp., *Platanus* sp., *Ulmus* sp. (HAJÓS and PÁLFALVY 1963).

Strata: caoline.

Remains: *Acer decipiens* Al. Braun, *Quercus kubinyii* (Kováts) Czecczot, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HAJÓS and PÁLFALVY 1963).

Strata: limnoquartzite.

Remains: *Abietaceae*, *Carpinus* sp., *Glyptostrobus* sp., *Juglandaceae*, *Osmunda* sp., *Ostrya* sp., *Quercus pontica miocenica* Kubát (HAJÓS and PÁLFALVY 1963).

Strata: lake-clay.

Locality: Hercegköves-hegy.

Deposited at: MÁFI.

Megyaszó

Remains: *Cedrella hazslinskyi* Ungér, *Platanus pannonica* Ettingshausen (HAZSLINSZKY 1865–66).

Deposited at: unknown.

Mikófalva: Szőke-hegy

Remains: *Acer polymorphum pliocenicum* Saporta, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspidatum* Bronn, *Adiantum latifolium* Andreánszky, *Alnus* sp., *Cinnamomum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Fagus haidingeri* Kováts, *Ficus tiliaefolia* (Al. Braun) Heer, *Ginkgo adiantoides* (Unger) Heer, *Liquidambar* sp., *Magnoliaephyllum* sp., *Phoenicites* sp., *Platanus aceroides* Goepfert, *Populus balsamoides* Goepfert, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus mediterranea* Unger, *Ulmus* sp. (JÓZSA-CZÁR 1955b).

Remains: *Diospyros anaceps* Heer, *Ulmus bükkensis* Andreánszky sp. nov. (ANDREÁNSZKY 1956).

Remains: *Acer* cf. *pseudoplatanus* L., *Acer polymorphum pliocenicum* Saporta, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspidatum* Bronn, *Acer vindobonense* (Ettingshausen) Stur, *Adiantum latifolium* Andreánszky, *Alnus kefersteinii* Unger, *Alnus sporadum* Unger var. *phocaeensis* (Saporta) Schimper, *Alnus* sp., *Aristolochia oeningensis* Heer, *Betula brongniarti* Ettingshausen, *Betula* cf. *lenta* L., *Betula prisca* Ettingshausen, *Callitrites brongniarti* Endlicher = *Tetraclinis brachyodon* (Brongniart) Mai et Walther, *Carpinus grandis* Unger, *Carpinus kisseri* Berger, *Carya* sp., *Cedrela sarmatica* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Cinnamomum lanceolatum* (Unger) Heer = *Daphnogene lanceolata* Unger, *Cinnamomum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cissus populoides* Andreánszky sp. nov., *Cissus* sp., *Corylopsis* cf. *pauciflora* (Goepfert) Heer, *Corylus* sp., *Diospyros anaceps* Unger, *Diospyros* cf. *lotus* L., *Elaeocarpus* sp., *Equisetum* sp., ?*Fagus angusta* Andreánszky sp. nov., *Fagus* cf. *grandifolia* Ehrhardt, *Fagus haidingeri* Kováts, *Fagus* cf. *orientalis* Lipsky, *Fagus* sp., *Ficus tiliaefolia* (Al. Braun) Heer = *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Juglans legányii* Andreánszky, *Juglans* sp., *Leguminosae*, *Libocedrus tárkányensis* Andreánszky nom. nov. *Liquidambar europaea* Al. Braun, *Morus lanceolata* Andreánszky sp. nov., *Ostrya antiqua* Gruber, *Ostrya atlantidis* Unger, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Phoenicites* sp., *Platanus aceroides* Goepfert = *Platanus platanifolia* (Ettingshausen) Knobloch, *Populus balsamoides* Goepfert, *Populus cordioides* Andreánszky sp. nov., *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Populus mutabilis* Heer, *Populus* cf. *rasumowskiana* (Regel) Dippel, *Prunus* cf. *cerasus* L., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czeczott, *Quercus macrantheroides* Andreánszky sp. nov., *Quercus mediterranea* Unger, *Quercus pontica miocenica* Kubát, *Quercus* cf. *robur-petraea*, *Rinodina sarmatica* Andreánszky sp. nov., *Salix angusta* Al. Braun, *Sapindus falcifolius* Al. Braun, *Sapindus ungeri* Ettingshausen, *Sorbus* cf. *aria* (L.) Crantz, *Tilia sarmatica* Andreánszky, *Ulmiphyllum sarmaticum* Andreánszky, *Ulmus bükkensis* Andreánszky, *Ulmus* cf. *campestris* L., *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus subintegrifolia* Cziffery, *Ulmus zelkovaeformis* Andreánszky sp. nov., *Vitis* cf. *aestivalis* Michaux, *Vitis* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).

Remains: *Cunninghamiaeconus* sp., *Ficus mikófalvensis* Andreánszky sp. nov., *Populus acuminatifolia* Andreánszky sp. nov. (ANDREÁNSZKY 1961).

Remains: *Alnus angustifrons* Andreánszky, *Alnus* cf. *nepalensis* Don, *Alnus prasili* Unger, *Alnus* cf. *subcordata* C. A. Meyer, *Alnus* sp., *Celastrophyllum maytenoides* Kovács, *Ficus palaeospidata* Andreánszky sp. nov., *Populus* cf. *deltoides* Marshall, *Populus* cf. *monilifera* Aiton, *Populus* cf. *tremula* L., *Populus* cf. *tremuloides* Michaux (ANDREÁNSZKY 1963b).

Remains: *Alnus bánhorvátensis* Andreánszky, *Carpinus kisseri* Berger, *Celtis trachytica* Ettingshausen, *Elaeocarpus mikófalvensis* Andreánszky sp. nov., *Quercus kovátsii* Kovács et Pálfalvy, *Quercus pseudoalnus* Ettingshausen, *Rhamnus inaequalis* Heer, *Sorbariopsis linearifolia* Andreánszky, *Ulmus zelkovaiformis* Andreánszky, *Vitis banensis* Andreánszky (ANDREÁNSZKY 1964b).

Remains: *Acer* cf. *platanoides* L., *Fagus angusta* Andreánszky, *Populus acuminatifolia* Andreánszky, *Populus cordioides* Andreánszky, *Populus trichocarpoides* Andreánszky (ANDREÁNSZKY 1966b).

Strata: sandstone.

Deposited at: BP, MM.

Miskolc: Csosznya

Remain: *Castanea* cf. *pumila* Miller (ANDREÁNSZKY 1955c).

Deposited at: unknown.

Nagybarca

Remains: *Acer platyphyllum* (Al. Braun) Heer, *Acer* cf. *pseudoplatanus* L., *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer* sp., *Alnus crebrinervis* Kovács, *Alnus* sp., *Betula* sp., *Cedrela sarmatica* Kovács, *Celastrorhynchium maytenoides* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Cornus* cf. *sanguinea* L., *Juglans* cf. *regia* L., *Ostrya atlantidis* Unger, *Phragmites* sp., *Platanus aceroides* Goepfert, *Populus balsamoides* Goepfert, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czeczott, *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix* sp., *Ulmus* sp. (KOVÁCS 1957c).

Remains: *Acer hungaricus* Andreánszky, *Acer platyphyllum* Al. Braun ex Heer, *Acer* cf. *pseudoplatanus* L., *Acer* cf. *rubrum* var. *tomentosum* (Desfontaines) K. Koch, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Alnus crebrinervis* Kovács, *Alnus* sp., *Araceaphyllum* sp., *Betula* cf. *lenta* L., *Betula* sp., *Carpinus grandis* Unger, *Carpinus* sp., *Cedrela sarmatica* Kovács, *Celastrorhynchium maytenoides* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Cornus* cf. *sanguinea* L., *Diospyros bánensis* Kovács, *Diospyros brachysepala* Al. Braun, *Juglans* cf. *regia* L., *Liquidambar pseudoprotensa* Andreánszky sp. nov., *Myrica longifolia* Unger, *Nyssa hungarica* Andreánszky sp. nov., *Phragmites oeningensis* Al. Braun, *Platanus aceroides* Goepfert = *Platanus platanifolia* (Ettingshausen) Knobloch, *Populus balsamoides* Goepfert, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Populus* sp., *Pteris palaeoarurita* Kovács, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czeczott, *Quercus pseudoalnus* Ettingshausen, *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix* sp., *Sapindus falcifolius* Al. Braun, *Sapindus ungeri* Ettingshausen, *Styrax* cf. *officinalis* L., *Ulmus plurinervis* Unger, *Ulmus* sp., *Vitis teutonica* Al. Braun (ANDREÁNSZKY 1959a).

Remain: *Acer tataricoides* Andreánszky sp. nov. (ANDREÁNSZKY 1961).

Strata: rhyolitic tuff.

Deposited at: BP, MM.

Ónod

Remain: *Ginkgo adiantoides* (Unger) Heer (ANDREÁNSZKY 1955d).

Strata: unknown.

Deposited at: unknown.

Sajókaza

Remains: cf. *Acer jurenaki* Stur, *Acer pseudodecipiens* Andreánszky sp. nov., *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Aceris* sp. fructus, *Alnus* cf. *japonica* Thunberg, *Banisteriaecarpum giganteum* (Goepfert) Kräusel, cf. *Betula prisca* Ettingshausen, *Cercidiphyllum crenatum* (Unger) Brown, *Cornus* sp., *Ficus tiliaefolia* (Al. Braun) Heer? *Buettneria* t.? = *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Liquidambar pseudoprotensa* Andreánszky, *Ostrya* sp., *Pterocarya* sp., *Quercus alexejevii* Pojark, *Salix* cf. *fragilis* L., *Salix* sp., *Sassafras ferretianum* Massalongo, *Ulmus* sp. (ANDREÁNSZKY 1959a).

Remains: *Acer bruchmanni* Al. Braun, cf. *Acer jurenaki* Stur, *Acer pseudodecipiens* Andreánszky, *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer* sp., *Alnus* cf. *japonica* Thunberg, *Banisteriaecarpum giganteum* (Goepfert) Kräusel, cf. *Betula prisca* Ettingshausen, *Byttneria aequifolia* (Goepfert) Meyer, *Carya* sp., cf. *Cercidiphyllum andreánszkyi* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Cornus* cf. *sanguinea* L., Cyperaceae, *Diospyros* sp., *Fraxinus* sp., Gramineae, *Liquidambar* cf. *pseudoprotensa* Andreánszky, *Ostrya* sp., *Phragmites oeningensis* Al. Braun, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus alexejevii* Pojark, *Salix cordata-lanceolata* Al. Braun, *Salix varians* Goepfert, *Salix* sp., *Sassafras ferretianum* Massalongo, ?*Sterculia cinnamomea* Ettingshausen, *Typha latissima* Al. Braun, *Ulmus plurinervia* Unger, *Ulmus* cf. *longifolia* Unger (PÁLFALVY 1961b).

Strata: andesite-agglomerate.

Deposited at: MÁFI.

Sály

Remains: *Alnus gracilis* Unger, *Smilax borsodense* Andreánszky sp. nov. (ANDREÁNSZKY 1956).

Remains: *Acacia parschlugiana* Unger, *Acer decipiens* Al. Braun, *Acer monooides* Shaparenko var. *sályensis* Andreánszky var. nov., *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Acer vindobonense* (Ettingshausen) Stur, *Alnus* cf. *cordata* (Loisel) Desfontaines, *Alnus gracilis* Unger, *Alnus hoernesii* Stur = *Alnus ducalis* (Gaudin) Knobloch, *Alnus kefersteinii* (Goepfert) Unger, *Alnus* cf. *nepalensis* Don, *Alnus nógrádensis* Varga, *Alnus* sp., *Betula acutangula* Andreánszky sp. nov., *Betula* cf. *lutea* Michaux, *Betula prisca* Ettingshausen, *Betula triangularis* Andreánszky sp. nov., *Betula* sp., *Carpinus grandis* Unger, *Carpinus knollii* Berger, *Carpinus pyramidalis* Unger, *Carya bilinica* Ettingshausen, *Carya* sp., *Castanea* cf. *sativa* Miller, *Catalpa czifferyi* Andreánszky sp. nov., *Cedrela sarmatica* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Cinnamomum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Cissus* sp. IV, V, *Cornus* sp., *Corylus* cf. *avellana* L., *Corylus macquarrii* (Forbes) Massalongo et Visiani, *Daphne* sp., *Diospyros* sp., *Eucommia europaea* Müdler, *Euonymus* cf. *latifolius* (L.) Miller, *Fagus* cf. *grandifolia* Ehrhardt, *Fagus haidingeri* Kovács, *Fagus oblonga* Andreánszky sp. nov., *Fagus* cf.

orientalis Lipsky, *Fagus* sp., *Fraxinus* cf. *oxycarpa* Willdenow, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Heer, *Hamamelis* cf. *vernalis* Sargent, *Juglans bilinica* Unger, *Juglans* cf. *regia* L., *Laurus* cf. *nobilis* L., *Laurus primigenia* Unger, Leguminosae, *Liquidambar europaea* Al. Braun, *Liquidambar ternata* Andreánszky et Novák, *Liquidambar* sp., *Lonicera* cf. *chrysantha* Turczaninow, Monocotyledonae gen. et sp., *Myrsinites* cf. *Pleiomeris canariensis* (Willdenow) De Candolle, *Onoclea sensibilis* L., *Ostrya antiqua* Gruber, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Picea* vel *Tsuga* sp., *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus balsamoides* Goepfert, *Populus* cf. *deltoides* Marshall, *Populus* sp., *Prunus* cf. *laurocerasus* L., *Pseudotsuga* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus* cf. *canariensis* Willdenow, *Quercus deuterogana* Unger, *Quercus glaucifolia* Andreánszky sp. nov., *Quercus* cf. *ilex* L., *Quercus kubinyii* (Kováts) Czechtz, *Quercus pontica miocenica* Kubát, *Quercus sályensis* Andreánszky sp. nov., *Rapanea erdőbényensis* Andreánszky et Cziffery, *Rhus palaecotinus* Saporta, *Salix angusta* Al. Braun, Sapindaceae, *Sapindus falcifolius* Al. Braun, *Sapindus ungeri* Ettingshausen, *Smilax borsodensis* Andreánszky, *Sorbus borsodensis* Andreánszky sp. nov., *Styrax borealis* Unger, *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer, *Taxus* sp., *Tilia sarmatica* Andreánszky, *Ulmus bükkensis* Andreánszky, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus* cf. *scabra* Miller, *Ulmus* sp., *Viburnum* cf. *dentatum* L., *Viburnum* cf. *tinus* L., *Woodwardites* sp., *Zanthoxylon* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ANDREÁNSZKY 1959a).

Remains: *Vitis* cf. *aestivalis* Michaux, *Zizyphus* sp. (ANDREÁNSZKY 1961).

Remains: *Ailanthus confucii* Unger, *Betula* cf. *lenta* L., *Celastrorhynchium maytenoides* Kovács, *Liquidambar* sp., *Podogonium knorrii* (Al. Braun) Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Populus* cf. *tremuloides* Michaux, *Ptelea* cf. *trifoliata* L. (ANDREÁNSZKY 1963b).

Remains: *Alnus ducalis* (Gaudin) Knobloch, *Daphnogene* sp. (KOVAR-EDER et al. 1996).

Remains: *Alnus ducalis* Gaudin emend. Knobloch, *Liquidambar europaea* Al. Braun, *Platanus leucophylla* (Unger) Knobloch, *Smilax* sp. (HABLY 2003).

Strata: sandstone.

Deposited at: BP.

Sopron: Piusz puszta

Remains: *Buxus pliocenica* Saporta et Marion, *Dicotylophyllum* sp. 1, *Dicotylophyllum* sp. indet., Gymnospermae gen. et sp., *Laurophyllum pseudoprinceps* Weyland et Kilpper, *Laurophyllum* sp., *Magnolia liblarensis* (Kräusel et Weyland) Kvaček, *Magnolia* sp. (*M. corr* Ludwig), *Picea* sp., *Pinus salinarum* (Parsch) Zabolocki, *Pterocarya limburgensis* C. et E. M. Reid, Taxodiaceae, *Trichothyrites* sp., *Toddalia* sp. (*T. ?maii* Gregor), *Viscophyllum* sp., *Wackersdorffia dubia* Peters (ERDEI an LESIAK 1999–2000).

Remains: *Buxus pliocenica* Saporta et Marion, Lauraceae gen. et sp., *Laurophyllum pseudoprinceps* Weyland et Kilpper, *Magnolia liblarensis* (Kräusel et Weyland) Kvaček, *Magnolia corr* Ludwig, *Picea* sp., *Pinus salinarum* (Parsch) Zabolocki, *Pterocarya limburgensis* C. et E. M. Reid, Taxodiaceae gen. et sp., *Toddalia* sp., *Viscophyllum* div. sp., *Wackersdorffia dubia* Peters (ERDEI and HÍR 2002).

Strata: sand.

Deposited at: BP.

Tállya

Remains: *Aroites tallyanus* Kováts sp. nov., *Celtis vulcanica* Kováts, *Copaifera longestipitata* Kováts sp. nov., *Fagus castaneaefolia* Unger, *Fothergilla ungeri* Kováts, *Potamogeton fenzlii* Kováts sp. nov., *Potamogeton wieseri* Kováts sp. nov., *Ptelea macroptera* Kováts, *Styrax apiculatum* Kováts (KOVÁTS 1856b).

Remains: *Acer trilobatum* (Sternberg) Al. Braun = *Acer tricuspdatum* Bronn, *Asclepiophyllum podalyrii* (Unger) Berger, *Callitrites brongniarti* Endlicher, *Canotia tallyana* Rásky sp. nov., *Carpinus praejaponica* Berger, *Cedrela bienensis* Hu et Chaney, *Cinnamomophyllum polymorphum* (Al. Braun) Kräusel et Weyland = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Cinnamomophyllum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Dalbergia* sp., *Glyptostrobos europaeus* (Brongniart) Heer, *Juglans acuminata* Al. Braun, Leguminosae sp., *Myrica lignitum* (Unger) Saporta, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Quercus* sp., *Sapindus falcifolius* Al. Braun (RÁSKY 1958b).

Strata: clay marl.

Valid locality: Kymi, Greece (ERDEI and KVAČEK 1997).

Remains: *Acer decipiens* (Al. Braun) Heer, *Acer subpictum* Saporta, *Acer* sp., *Berberis helvetica* Heer, *Betula prisca* Ettingshausen, cf. *Buettneria aequalifolia* (Goepfert) E. Meyer, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carpinus praejaponica* Berger, *Carpinus pyramidalis* Gaudin, *Carpinus* sp., *Carya serraefolia* (Goepfert) Kräusel, *Castanea atavia* Unger, *Cedrela* sp., *Celtis* sp., *Cephalotaxus praefortunei* Berger, *Juglans acuminata* Al. Braun, *Koelreuteria macroptera* (Kováts) Edw., *Koelreuteria reticulata* (Ettingshausen) Edw., Leguminosae div. sp., *Mimosites hoeringiana* Ettingshausen, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Phellodendron* sp., *Phragmites* sp., *Pinus hepios* (Unger) Heer, *Pinus palaeostrobos* Ettingshausen, *Pinus taedaeformis* (Unger) Heer, *Pinus* sp., *Podogonium knorrii* Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Quercus kubinyii* (Kováts) Czecczot, *Quercus parlatorii* Gaudin, *Sapindus falcifolius* Al. Braun, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Vitis teutonica* Al. Braun, *Zelkova praelonga* (Unger) Berger, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (RÁSKY 1958b).

Strata: marl.

Remains: *Acacia parschlugiana* Unger, *Acer decipiens* (Al. Braun) Heer, *Acer palaeosaccharinum* Stur, *Acer ponzianum* Gaudin, *Acer pseudoreticum* Ettingshausen, *Andromeda protogaea* Unger, *Andromeda vulcanica* Ettingshausen, *Aroites tallyanus* Kováts, *Betula brongniarti* Ettingshausen, *Betula prisca* Ettingshausen, *Betula ungeri* Andrä, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carya heeri* Ettingshausen, *Cassia ambigua* Unger, *Cassia memnonia* Unger, *Cassia phaseolites* Unger, *Celtis japeti* Unger, *Celtis trachyica* Ettingshausen, *Cystoseirites delicatula* Kováts, *Ficus tiliaefolia* (Al. Braun) Heer = *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Glyptostrobos europaeus* (Brongniart) Heer, *Juglans acuminata* Al. Braun, *Mimosites palaeogaea* Unger, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Pinus equimontana* Goepfert, *Podogonium knorrii* Heer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Populus balsamoides* Goepfert, *Populus braunii* Ettingshausen, *Potamogeton fenzlii* Kováts, *Potamogeton wieseri* Kováts, *Ptelea macroptera* Kováts, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus gigantum* Ettingshausen, *Quercus kubinyii* (Kováts) Czecczot, *Quercus pseudocastanea* Goepfert, *Quercus pseudorobur* Kováts, *Rhamnus aizoides* Unger, *Rhus paulliniaefolia* Ettingshausen, *Salvinia reticulata* Heer, *Sapindus falcifolius* Al. Braun,

Sequoia langsdorffii (Brongniart) Heer, *Styrax apiculata* Kováts, *Terminalia táillyána* Ettingshausen, *Ulmus plurinervia* Unger, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba, *Zizyphus tiliaefolius* (Unger) Heer (ANDREÁNSZKY 1959a).

Remains: *Acacia parschlugiana* Unger, *Betula prisca* Ettingshausen, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Cystoseirites delicatula* Kováts, *Glyptostrobus europaeus* (Brongniart) Heer, *Koelreuteria macroptera* (Kováts) Edw., *Koelreuteria reticulata* (Ettingshausen) Edw., *Mimosites palaeogaea* Unger, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Podogonium oeningense* (Koenig) Kircheimer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Potamogeton* sp., *Sapindus falcifolius* Al. Braun, *Ulmus plurinervia* Unger, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1962).

Locality: Gomboska.

Remains: *Acer decipiens* Al. Braun, *Acer subpictum* Saporta, *Berberis helvetica* Heer, *Betula prisca* Ettingshausen, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carpinus praejaponica* Berger, *Carya serraefolia* (Goepfert) Kräusel, *Cassia ambigua* Unger, *Castanea atavia* Unger, *Cedrela* sp., *Celtis* sp., *Cephalotaxus praefortunei* Berger, *Koelreuteria macroptera* (Kováts) Edw., *Mimosites hoeringiana* Ettingshausen, *Pinus hepios* (Unger) Heer, *Pinus taedaeformis* (Unger) Heer, *Quercus kubinyii* (Kováts) Czechtz, *Quercus parlatorii* Gaudin, *Sapindus falcifolius* Al. Braun, *Ulmus longifolia* Unger, *Zelkova praelonga* (Unger) Berger (PÁLFALVY 1962).

Locality: Palota-hegy.

Remains: *Carpinus grandis* Unger, *Myrsine* sp., *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Podogonium oeningense* (Koenig) Kircheimer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Quercus mediterranea* Unger (PÁLFALVY 1962).

Locality: Sasalja.

Remains: *Berberis helvetica* Heer, *Carpinus praejaponica* Berger, *Castanea atavia* Unger, *Pinus palaeostrobos* Ettingshausen, *Podogonium oeningense* (Koenig) Kircheimer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Quercus kubinyii* (Kováts) Czechtz, *Ulmus plurinervia* Unger, *Zelkova praelonga* (Unger) Berger = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1962).

Locality: Kopasz-hegy.

Remains: *Cedrela* sp., *Podogonium oeningense* (Koenig) Kircheimer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Rhus* cf. *coriaria* L., *Sapindus falcifolius* Al. Braun (PÁLFALVY 1962).

Locality: Hidegkút.

Remains: *Bytneria aequifolia* (Goepfert) Meyer, *Carpinus grandis* Unger, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Robinia regeli* Heer, *Sapindus falcifolius* Al. Braun, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1962).

Locality: Hollóstető.

Remains: *Carpinus grandis* Unger, *Podogonium oeningense* (Koenig) Kircheimer = *Podocarpium podocarpum* (Al. Braun) Herendeen, *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1962).

Locality: Jónap-árok.

Remain: *Diospyros rugosa* Saporta (RÁSKY 1964).

Locality: Kymi, Greece (ERDEI and KVAČEK 1997).

Remains: *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (PÁLFALVY 1981).

Remains: *Leguminocarpon* type IV, VII (HABLY 1992d).

Remain: *Daphnogene* sp. (KOVAR-EDER *et al.* 1996).

Remains: *Acer integerrimum* (Viviani) Massalongo, *Acer* div. sp. (fruit), *Acer* sp., cf. *Ampelopsis* sp., Betulaceae gen. et sp., *Berberis* sp., *Carpinus betulus* L. fossilis, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carya* sp., *Celtis trachytica* Ettingshausen, *Ginkgo adiantoides* (Unger) Heer, *Koelreuteria macroptera* (Kováts) Edw., *Leguminocarpon* div. et sp. (fruit), Leguminosae gen. et sp., *Magnolia* sp., *Parrotia pristina* (Ettingshausen) Stur, *Pinus rigios* Unger, *Podocarpium podocarpum* (Al. Braun) Herendeen, *Quercus kubinyii* (Kováts) Czeczott, *Quercus pontica miocenica* Kubát, *Quercus* sp., Rhamnaceae gen. et sp., “*Sapindus*” *falcifolius* Al. Braun, *Tetraclinis brachyodon* (Brongniart) Mai et Walther, *Tilia* sp., *Ulmus braunii* Heer, *Ulmus pyramidalis* Goepfert, *Ulmus* sp., *Vitis teutonica* Al. Braun, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (ERDEI and HÍR 2002).

Strata: rhyolitic tuff, clay, silicified clay.

Deposited at: BP.

Uppony

Remains: *Cedrela sarmatica* Kovács, *Celtis occidentalooides* Kovács sp. nov., *Cercidiphyllum crenatum* (Unger) Brown, *Diospyros bánensis* Kovács, *Diospyros brachysepala* Al. Braun, *Diospyros* sp., *Liquidambar protensa* Unger, *Ostrya atlantidis* Unger, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Populus balsamoides* Goepfert, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts) Czeczott, *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Sapindus ungeri* Ettingshausen, *Typha* sp., *Ulmus* cf. *americana* L., *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus* sp. (KOVÁCS 1957c).

Remains: *Alnus crebrinervis* Kovács, *Alnus* sp., *Betula* cf. *lenta* L., *Carpinus pyramidalis* (Goepfert) Heer, *Carpinus* sp., *Cedrela sarmatica* Kovács, *Celastrorhynchium maytenoides* Kovács, *Celtis occidentalooides* Kovács, *Cercidiphyllum crenatum* (Unger) Brown, *Diospyros bánensis* Kovács, *Diospyros brachysepala* Al. Braun, *Diospyros* sp., *Euonymus* cf. *japonicus* Thunberg, *Liquidambar pseudoprotensa* Andreánszky sp. nov., *Ostrya nervosa* Andreánszky sp. nov., *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Platanus aceroides* Goepfert = *Platanus leucophylla* (Unger) Knobloch, *Populus balsamoides* Goepfert, *Populus latior* Al. Braun = *Populus populina* (Brongniart) Knobloch, *Populus* sp., *Populus* sp. ex aff. *tremulooides* Michaux, *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus* cf. *cerris* L., *Quercus kubinyii* (Kováts) Czeczott, *Quercus palaeomontana* Andreánszky sp. nov., *Quercus* cf. *phellos* L., *Quercus pseudoalnus* Ettingshausen, *Rhamnus* sp., *Salix angusta* Al. Braun, *Salix* cf. *fragilis* L., *Salix* sp., *Sapindus ungeri* Ettingshausen, *Sapindus* sp., *Typha* sp., *Ulmus angustissima* Andreánszky, *Ulmus drepanodonta* Gruber, *Ulmus longifolia* Unger, *Ulmus plurinervia* Unger, *Ulmus* sp., *Vitis teutonica* Al. Braun (ANDREÁNSZKY 1959a).

Remains: *Cissus upponyensis* Andreánszky sp. nov., *Osmunda parghiana* (Unger) Andreánszky, *Quercus* cf. *cerris* L., *Sassafras ferretianum* Massalongo et Scarabelli (ANDREÁNSZKY 1961).

Remains: *Cinnamomum* sp. = *Daphnogene* sp., Leguminosae, *Magnolia* cf. *obovata* Thunberg, *Myrica* cf. *lignitum* (Unger) Saporta, *Myrsinites* sp., *Pinus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Todea* sp. (CZIFFERY-SZILÁGYI 1961).

Strata: andesitic tuff.

Deposited at: BP, MM.

Várpalota

Remains: *Cinnamomum scheuchzeri* (Heer) Kräusel et Weyland = *Daphnogene bilinica* (Unger) Knobloch et Kvaček, *Ficus tiliifolia* (Al. Braun) Heer = *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Laurus* cf. *nobilis* L., *Magnolia* sp., *Myrsinites* cf. *Pleiomaris canariensis* De Candolle, *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Rhus* cf. *coriaria* L. (CZIFFERY-SZILÁGYI 1957),

Remains: the same as in CZIFFERY-SZILÁGYI (1957) (ANDREÁNSZKY 1959a).

Strata: fresh water limestone.

Deposited at: BP.

Zsujta

Remain: *Osmunda heeri* Gaudin (PÁLFALVY 1980).

Strata: unknown.

Deposited at: MÁFI.

PANNONIAN

Mindszentkállya

Remains: ?*Liriodendron* sp., *Myrica* sp. 1, 2, *Pinus halepensis* Miller, *Pinus* cf. *rostrata* Miller, *Pinus* cf. *sylvestris* L., *Pinus* sp. (HABLY in MAGYAR 1988).

Strata: clay.

Deposited at: unknown.

LOWER PANNONIAN

Kőszeg: Pogány-völgy

Remain: *Osmundites schemnicensis* Pettko (HOFMANN 1932).

Strata: lignite.

Deposited at: SM.

Répcevis

Remains: *Fagus haidingeri* Kovács, *Quercus pontica miocenica* Kubát (HORVÁTH 1971–72).

Strata: clay.

Deposited at: SM.

Rudabánya

Remains: *Alnus* cf. *incana* (L.) Moench, *Carya* sp., *Cercidiphyllum crenatum* (Unger) Brown, Cyperaceae, *Fagus* cf. *orientalis* Lipsky, "*Ficus*" *tiliaefolia* (Al. Braun) Heer = *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Unger, Gramineae, *Picea* sp., *Pinus haploxylon* typ., *Pinus sylvestris* typ., *Pinus* sp., *Salix* cf. *fragilis* L., *Salix* cf. *purpurea* L., *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer, *Typha latissima* Al. Braun (NAGY and PÁLFALVY 1961).

Locality: Vilmos outcrop.

Remains: *Alnus* cf. *incana* (L.) Moench, *Cercidiphyllum crenatum* (Unger) Brown, Cyperaceae, *Engelhardia macroptera* (Brongniart) Ettingshausen, "*Ficus*" *tiliaefolia* (Al. Braun) Heer = *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Unger, Gramineae, *Phragmites oeningensis* Al. Braun, *Pinus haploxylon* type, *Pinus sylvestris* type, *Pterocarya denticulata* (Weber) Heer, cf. *Quercus drymeja* Unger, *Quercus* sp., *Salix* cf. *fragilis* L., *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer, *Typha latissima* Al. Braun, *Ulmus* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (NAGY and PÁLFALVY 1961).

Locality: Andrásy III outcrop.

Deposited at: MÁFI.

Remains: *Acer* cf. *sancte-crucis* Stur, *Acer* sp., *Alnus crebrinervis* Kovács, *Alnus* cf. *incana* (L.) Moench, *Alnus* cf. *japonica* (Thunberg) Steudel, *Banisteriaecarpum giganteum* (Goepfert) Kräusel, *Betula* cf. *lenta* L., *Betula macrophylla* (Goepfert) Heer, *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Carpinus grandis* Unger, *Carya denticulata* (Weber) Schimper, *Celtis* sp., *Cercidiphyllum crenatum* (Unger) Brown, *Cyperites* sp., *Diospyros brachysepala* Al. Braun, *Engelhardia macroptera* (Brongniart) Ettingshausen, *Fagus haidingeri* Kováts sensu Knobloch, *Ginkgo adiantoides* (Unger) Heer, *Glyptostrobus europaeus* (Brongniart) Unger, *Glyptostrobus tenerum* (Kraus) Conw., *Juglans acuminata* Al. Braun, *Liquidambar europaea* Al. Braun, *Myrica* sp., *Myriophyllum* sp., *Nyssa disseminata* (Ludwig) Kircheimer, *Osmunda pardschlugiana* (Unger) Andreánszky, *Ovoidites ligneolus* R. Pot., *Palmoxylon* sp., *Phragmites oeningensis* Al. Braun, *Pinus* sp., *Populus* cf. *balsamoides* Goepfert, *Potamogeton* cf. *martinianus* Sitar, *Pterocarya castaneaefolia* (Goepfert) Schlechtendal, *Quercus* cf. *drymeja* Unger, *Quercus* sp., *Salix palaeo-purpurea* Fr. Meyer, *Salix varians* Goepfert, cf. *Sassafras ferretianum* Massalongo, *Sequoioxylon gypsaceum* (Goepfert) Greg., *Stratiotes intermedius* (Hartz.) Chandler, *Stratiotes* cf. *tuberculatus* Reid, *Taxodium dubium* (Sternberg) Heer, *Trapa* cf. *transcarpatica* Vassiljev, ?*Tsuga* sp., *Typha latissima* Al. Braun, *Ulmus pyramidalis* Goepfert, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (KRETZOI et al. 1976).

Remain: *Osmunda heeri* Gaudin (PÁLFALVY 1980).

Remain: *Engelhardia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Remains: *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Engelhardia macroptera* (Brongniart) Unger, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, (KOVAR-EDER et al. 1996).

Remains: *Daphnogene* sp., *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther (HABLY 2003).

Strata: clay.

Deposited at: MÁFI.

Szilágy: Drilling No. III

Remain: *Pinus* cf. *nigra* Arnold (CZIFFERY-SZILÁGYI 1964).
Strata: calcareous marl.
Deposited at: unknown.

UPPER PANNONIAN

Beremend

Remain: *Celtis* sp. (BOROS 1933).
Strata: clay.
Deposited at: unknown.

Balatonszentgyörgy: Csillagvár brickyard

Remains: *Acer* cf. *pseudocampestre* Goeppert, *Carpinus* sp., *Carya* cf. *serraeifolia* (Goeppert) Kräusel, *Celtis* sp., *Cyperites* sp., *Daphnogene* sp., *Equisetum* sp., *Glyptostrobus europaeus* (Brongniart) Unger, *Juglans acuminata* Al. Braun, *Laurophyllum* sp., *Myrica lignitum* (Unger) Saporta, *Myrica* sp., cf. *Osmunda parschlugiana* (Unger) Andreánszky, *Phragmites oeningsensis* Al. Braun, *Pinus* sp., *Potamogeton* sp., *Quercus* sp. 1, 2, *Rhus* sp., Rosaceae sp., *Salix varians* Goeppert, *Salix* sp. 1, 2, 3, *Stratiotes* sp., *Typha latissima* Al. Braun, *Ulmus* sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1975).
Strata: clay.
Deposited at: MÁFI.

Bükkábrány

Remain: *Trapa praehungarica* Wójcicki et Bajzát sp. nov. (WÓJICKI and BAJZÁTH 1997).
Strata: clay.
Deposited at: BP.

Csarnóta

Remain: *Celtis* cf. *tournefortii* Lamarck (BOROS 1933).
Strata: clay.
Deposited at: unknown.

Dozmat

Remains: *Alnus cecropiifolia* (Ettingshausen) Berger, *Alnus gaudinii* (Heer) Knobloch et Kvaček, *Alnus* sp. (cones), *Alnus* sp. (male catkins), *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Dicotylophyllum* sp., *Glyptostrobus europaeus* (Brongniart) Unger, *Osmunda parschlugiana* (Unger) Andreánszky (HABLY and KOVAR-EDER 1996).

Strata: clay.

Deposited at: BP, SM.

Érd

Remains: *Laurus* sp., *Myrica* sp., *Populus* sp., *Pterocarya denticulata* (Weber) Heer = *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus drymeja* Unger, *Salvinia formosa* Heer (RÁSKY 1949).

Strata: grey clay.

Deposited at: BP.

Gersekarát

Remains: *Salix cinerea* L., *Salix fragilis* L., *Salix repens* L. (HORVÁTH 1971–72).

Strata: clay.

Deposited at: SM.

Hegyhátszentpéter

Remains: *Betula* sp., *Salix cinerea* L. (HORVÁTH 1971–72).

Strata: clay.

Deposited at: SM.

Hidegség

Remains: Monocotyledonae gen. et sp., *Salix cinerea* L., *Salix fragilis* L., *Salix repens* L., *Salix viminalis* L., *Typha latifolia* L. (HORVÁTH 1971–72).

Strata: clay.

Deposited at: SM.

Iharosberény: I borehole

Remains: *Alnus cecropiifolia* (Ettingshausen) Berger, *Alnus* div. sp., *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Dicotylophyllum* sp., *Glyptostrobus europaeus* (Brongniart) Unger, Monocotyledonae gen. et sp., *Osmunda parschlugiana* (Unger) Andreánszky, *Phragmites* sp., *Salix* sp., *Ulmus* sp. (HABLY 1992c).

Remain: *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček (KOVAR-ÉDER *et al.* 1996).
 Strata: clay.
 Deposited at: BP.

Kemenesmihályfa

Remains: *Iris pseudacorus* L., Monocotyledonopsida, *Phragmites communis* L., *Salix cinerea* L.,
Salix dasyclada Wimmer, *Salix purpurea* L., *Salix repens* L., *Salix viminalis* L., *Typha latifolia*
 L. (HORVÁTH 1964).
 Strata: clay.
 Deposited at: SM.

Kerecsend

Remain: *Adiantites latifolius* Andreánszky sp. nov. (ANDREÁNSZKY 1952).
 Strata: sandy clay.
 Deposited at: BP.

Olaszfa

Remains: *Alnus* sp., Gramineae, *Salix cinerea* L., *Salix fragilis* L. (HORVÁTH 1971–72).
 Strata: clay.
 Deposited at: SM.

Pécel

Remains: *Myriophyllum* sp., *Potamogeton natans* L. (BOROS 1952).
 Remains: *Myriophyllum spicatum* L., *Potamogeton natans* L. (ANDREÁNSZKY 1955e).
 Strata: clay.
 Deposited at: unknown.

Polgárdi

Remain: *Celtis* sp. (BOROS 1933).
 Strata: clay.
 Deposited at: unknown.

Rózsaszentmárton: Petőfibánya

Remains: *Acer campestre* L., *Acer monspessulanum* L. var. *pliocenicum* Mädlér, *Acer polymorphum*
pliocenicum Saporta, *Alnus* sp., *Carpinus betulus* L., *Cinnamomum polymorphum* (Al. Braun)

Heer = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Engelhardtia brongniarti* Saporta = *Engelhardtia macroptera* (Brongniart) Ettingshausen, *Fagus* cf. *orientalis* Lipsky, *Glyptostrobus europaeus* (Brongniart) Unger, Leguminosae, *Nelumbium* sp., *Pinus* sp., *Pirus* sp., *Quercus* cf. *drymeja* Unger, *Quercus* cf. *sessiliflora* Salisbury, *Quercus* sp., *Salix* sp., *Sequoia* sp., *Trapa* cf. *natans* L., *Typha* sp., *Ulmus* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY 1952).

Remains: *Acer campestre* L., *Acer monspessulanum* L., *Acer opulifolium pliocenicum* Saporta, *Acer polymorphum pliocenicum* Saporta, *Alnus* cf. *incana* (L.) Moench, *Carpinus* cf. *betulus* L., *Cinnamomum polymorphum* (Al. Braun) Heer = *Daphnogene polymorpha* (Al. Braun) Ettingshausen, *Engelhardtia brongniarti* Saporta = *Engelhardtia macroptera* (Brongniart) Ettingshausen, *Fagus orientalis* Lipsky, *Ficus tiliaefolia* (Al. Braun) Heer = *Byttneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Glyptostrobus europaeus* (Brongniart) Unger, Leguminosae, *Malus* sp., *Nelumbo* sp., *Pinus* cf. *cembra* L., *Pyrus* sp., *Potamogeton fluitans* L., *Quercus drymeja* Unger, *Salix* sp., *Taxodium distichum miocenicum* Heer = *Taxodium dubium* (Sternberg) Heer vel *Sequoia langsdorfii* (Brongniart) Heer, *Trapa natans* L., *Typha angustifolia* L., *Typha latifolia* L., *Ulmus* sp., *Zelkova ungeri* Kováts = *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (VÖRÖS 1955).

Remain: *Ginkgo adiantoides* (Unger) Heer (PÁLFALVY 1965c).

Remain: *Engelhardtia macroptera* (Brongniart) Unger (PÁLFALVY 1981).

Strata: sandy clay.

Deposited at: BP, MÁFI, MM.

Sé II

Remains: *Acer séensis* Horváth sp. nov., *Acer tricuspidatum* Bronn, *Alnus crebrinervis* Kovács, *Alnus prasili* Unger, *Betula macrophylla* (Goepfert) Heer, *Betula* cf. *prisca* Ettingshausen, *Carpinus* sp., *Juglans acuminata* Al. Braun, *Liquidambar europaea* Al. Braun, Monocotyledonae gen. et sp., *Platanus leucophylla* (Unger) Knobloch, *Populus* cf. *tremula* L., *Prunus* cf. *aleghaniensis* Porter, *Quercus* cf. *castaneaefolia* C. A. Meyer, *Quercus kubinyii* (Kováts) Czechtz, *Quercus parlatorii* Gaudin, *Quercus* sp. 1, 2, 3, *Salix haidingeri* Ettingshausen, *Ulmus* sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HORVÁTH 1971–72).

Remain: *Salix* sp. (HABLY 2003).

Strata: clay.

Deposited at: SM.

Sótony

Remains: *Pterocarya* sp., *Salvinia* sp., *Typha latifolia* L. (HORVÁTH 1958).

Remains: *Chara* sp., *Iris pseudacorus* L., *Phragmites communis* L., *Ranunculus sceleratus* L., *Salix caprea* L., *Salix cinerea* L., *Salix elaeagnus* Scopoli, *Salix fragilis* L., *Salix repens* L., *Salix repens* L. subsp. *rosmarinifolia* Čelakovsky, *Salix viminalis* L., *Salix* sp., *Salvinia natans* L., *Typha angustifolia* L., *Typha latifolia* L. (HORVÁTH 1961, 1963).

Strata: clay.

Deposited at: SM.

Süttő

Remains: *Celtis* cf. *australis* L. (BOROS 1933).

Strata: clay.

Deposited at: unknown.

Szeleste

Remains: Monocotyledonae gen. et sp., *Salix cinerea* L., *Salix* sp., *Typha latifolia* L. (HORVÁTH 1971–72).

Strata: clay.

Deposited at: SM.

Szombathely

Remain: *Magnolia* sp. folium et semen (HORVÁTH 1971–72).

Strata: clay.

Deposited at: SM.

Szombathely: Hungaria brickyard

Remains: *Acer* vel *Platanus* sp., *Glyptostrobus europaeus* (Brongniart) Unger (HORVÁTH 1958).

Strata: clay.

Deposited at: SM.

Teskánd

Remains: *Acer tricuspidatum* Bronn, *Carpinus grandis* Unger, *Juglans acuminata* Al. Braun, cf. *Laurus nobilis* L., *Liquidambar europaea* Al. Braun, *Platanus leucophylla* (Unger) Knobloch, *Salix* cf. *fragilis* L. (HORVÁTH 1971–72).

Strata: clay.

Deposited at: SM.

Tihany: Fehérpart

Remains: *Alnus ducalis* Gaudin emend. Knobloch, *Alnus gaudinii* (Heer) Knobloch et Kvaček, *Juglans acuminata* Al. Braun, *Liquidambar europaea* Al. Braun, *Phragmites oeningensis* Al. Braun, *Platanus leucophylla* (Unger) Knobloch, *Populus mutabilis* Heer, *Populus* cf. *P. populina* (Brongniart) Knobloch, *Populus* sp., *Smilax weberi* Wessel et Weber, *Ulmus ruszovensis* Hummel = *Ulmus braunii* Heer (HABLY 1992a).

Remains: *Alnus ducalis* Gaudin emend. Knobloch, *Cedrela sarmatica* Kovács, *Liquidambar europaea* Al. Braun, *Platanus leucophylla* (Unger) Knobloch, *Populus populina* (Brongniart) Knobloch, *Populus* div. sp., *Smilax weberi* Wessel et Weber (HABLY 1992b).

Remain: *Alnus ducalis* (Gaudin) Knobloch (KOVAR-EDER *et al.* 1996).

Remains: *Alnus ducalis* Gaudin emend. Knobloch, *Liquidambar europaea* Al. Braun, *Platanus leucophylla* (Unger) Knobloch, *Smilax* sp. (HABLY 2003).

Strata: sandy clay.

Deposited at: BP.

Tiszapalkonya: I borehole

Remains: *Acer* cf. *subcampestre* Goepfert, *Alnus* cf. *cecropiaefolia* (Ettingshausen) Berger, *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Glyptostrobus europaeus* (Brongniart) Unger, Monocotyledonae gen. et sp., Nymphaeaceae gen. et sp., *Parrotia pristina* (Ettingshausen) Stur, *Phragmites* sp., *Quercus* sp., *Salix* sp., *Typha* sp., *Ulmus* sp. 1, 2 (HABLY 1992c).

Strata: clay.

Deposited at: BP.

Tömörd

Remains: *Alnus* sp., *Glyptostrobus europaeus* (Brongniart) Unger, Monocotyledonae gen. et sp., *Salix cinerea* L., *Salix purpurea* L., *Salix* sp. (HORVÁTH 1971–72).

Strata: clay.

Deposited at: SM.

Villány

Remain: *Celtis* cf. *australis* L. (BOROS 1933).

Strata: clay.

Deposited at: unknown.

Visonta

Remains: *Acer* sp., *Alnus* cf. *crebrinervis* Kovács, *Alnus* sp., *Artemisia* sp., *Banisteriaecarpum giganteum* (Goepfert) Kräusel, *Betula* cf. *macrophylla* (Goepfert) Heer, *Bytneriophyllum tiliifolium* (Al. Braun) Knobloch et Kvaček, *Cyperites* sp., *Diospyros* sp., cf. *Equisetum* sp., *Fraxinus* sp., *Ginkgo* sp., *Glyptostrobus europaeus* (Brongniart) Unger, *Larix* sp., *Liquidambar* sp., *Osmunda heerii* Gaudin, *Pinus* sp., *Populus* sp., *Potamogeton* sp., cf. *Pteridium* sp., *Quercus* sp., *Rhus* sp., *Salix varians* Goepfert, *Salix* sp., *Stratiotes* sp., *Taxodium dubium* (Sternberg) Heer, cf. *Todea* sp., *Trapa* sp., *Typha latissima* Al. Braun, *Ulmus* sp., *Umbelliferae* gen. et sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (PÁLFALVY and RÁKOSI 1979).

Remain: *Osmunda heerii* Gaudin (PÁLFALVY 1980).

Strata: lignite.

Locality: Thorez outcrop.

Deposited at: MÁFI.

Remains: *Abies* sp., *Actinidia faveolata* C. et E. M. Reid, *Alnus* sp., *Betulus* L., *Caldesia* cf. *cylindrica* (E. M. Reid) Dorofjev, *Carex* sp., *Carpinus* sp. ex gr. *Ceratophyllum dubium* (Ludwig) Kircheimer, *Cornus* cf. *gorbunovii* Dorofjev, *Decodon gibbosus* (E. M. Reid) E. M. Reid, *Equisetum* sp., *Fagus decurrens* C. et E. M. Reid, *Hartzella miocenica* Szafer, *Ilex* sp., *Liriodendron* sp., *Lycopus* cf. *europaeus* L., *Meliosma* cf. *wetteraviensis* (Ludwig) Mai, *Nuphar palfalvyi* Bůžek et László sp. nov., *Nymphaea szaferi* Knobloch, *Nyssa disseminata* (Ludwig) Kircheimer, *Oenanthe* sp., *Pinus* sp., *Pinus (strobis)* sp., *Potamogeton* sp. div., cf. *Prunus Pseudoeuryle* cf. *dravertii* Dorofjev, *Pterocarya* sp., *Ranunculus* sp., *Salix* sp., *Salvinia* cf. *intermedia* Nikitin ex Dorofjev, *Sambucus pulchella* C. et E. M. Reid, *Selaginella* sp., *Spirmatospermum wetzleri* (Heer) Chandler, *Stratiotes tuberculatus* C. et E. M. Reid, cf. *Stuartia beckerana* (Ludwig) Kircheimer, *Taxodium* sp., *Tsuga* sp. (BŮŽEK and LÁSZLÓ 1992).

Strata: clay.

Deposited at: MÁFI.

PLIOCENE

Gérce

Remains: *Acer subcampestre* Goepfert, *Buxus pliocenica* Saporta et Marion, *Carpinus grandis* Unger, cf. *Carya serraefolia* (Goepfert) Kräusel, Juglandaceae gen. et sp., cf. *Juglans acuminata* Al. Braun ex Unger, *Parrotia pristina* (Ettingshausen) Stur, *Platanus leucophylla* (Unger) Knobloch, *Populus* cf. *tremula* L., cf. *Rhus* sp., *Quercus kubinyii* (Kováts) Berger, *Quercus roburoides* Gaudin, *Quercus* cf. *pseudocastanea* Goepfert, *Quercus* sp. 1, 2, *Ulmus roszoensis* Hummel, *Ulmus* sp. 1, 2, 3, *Vaccinium* sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (FISCHER and HABLY 1991).

Remains: *Platanus leucophylla* (Unger) Knobloch, *Quercus kubinyii* (Kováts) Berger, *Quercus* div. sp., *Ulmus roszoensis* Hummel (HABLY 1992b).

Remains: *Acer* sp., *Acer* cf. *palaeosaccharinum* Unger, *Acer pseudomonspessulanum* Unger, *Buxus pliocenica* Saporta et Marion, *Carpinus betulus* L., *Carpinus grandis* Unger, *Carpinus orientalis* Miller, cf. *Carya serraefolia* (Goepfert) Kräusel, *Celtis* sp., *Crataegus* sp., Cupressaceae gen. et sp., Cyperaceae gen. et sp., *Engelhardia orsbergensis* (Wessel et Weber) Jähni-chen, Mai et Walther, Ericaceae gen. et sp., *Ginkgo adiantoides* (Unger) Heer, Juglandaceae gen. et sp., Leguminosae gen. et sp., “*Parrotia*” *pristina* (Ettingshausen) Stur, *Populus populina* (Brongniart) Knobloch, *Populus* sp., *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterocarya* sp. (fructus), *Quercus kubinyii* (Kováts ex Ettingshausen) Czezzott, *Quercus pseudorobur* Kováts, *Quercus* div. sp., *Rosa* sp., *Salix* sp., *Sassafras ferretianum* Massalongo et Scarabelli, *Ulmus roszoensis* Hummel, *Ulmus* div. sp., Vitaceae gen. et sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (KVAČEK et al. 1994).

Remains: *Acer integerrimum* (Viviani) Massalongo, *Acer pseudomonspessulanum* Unger, *Acer* cf. *subcampestre* Göppert, *Ampelopsis* cf. *malvaeformis* (Schlotheim) Mai, *Buxus pliocenica* Saporta et Marion, *Carpinus betulus* L. fossilis, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carya* sp., cf. *Cotinus* sp., *Engelhardia orsbergensis* (Wessel et Weber) Jähni-chen, Mai et Walther, *Ginkgo adiantoides* (Unger) Heer, *Juniperus* sp., “*Parrotia*” *pristina* (Ettingshausen) Stur, *Populus populina* (Brongniart) Knobloch, *Pterocarya* sp., *Quercus kubinyii* (Kováts ex Ettingshausen) Czezzott, *Quercus pseudorobur* Kováts, *Quercus* div. sp., ?*Rosa* sp., *Sassafras ferretianum* Massalongo et Scarabelli, *Torreya* sp., *Tsuga* sp., Ulmaceae gen. et sp., *Ulmus braunii* Heer, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HABLY et al. 1996).

Remains: *Acer integerrimum* (Viviani) Massalongo, *Acer pseudomonspessulanum* Unger, *Acer* cf. *subcampestre* Goepfert, *Ampelopsis* cf. *malvaeformis* (Schlotheim) Mai, *Buxus pliocenica* Saporta et Marion, *Carpinus betulus* L., *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carpolites* sp., *Carya serraefolia* (Goepfert) Kräusel, *Carya* sp., *Celtis trachytica* Ettingshausen, cf. *Cotinus* sp., ?*Crataegus* sp., Cyperaceae gen. et sp. (?*Acorellus* Palla), *Dicotylophyllum* sp. 2, 3, "Diospyros" *brachysepala* Heer, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, Ericaceae gen. et sp., *Eucommia* sp., *Ginkgo adiantoides* (Unger) Heer, cf. *Gleditsia* sp., *Juniperus* sp., *Leguminosites* sp. 1, 2, cf. *Magnolia* sp., cf. *Malus* sp., Monocotyledonae gen. et sp., "Parrotia" *pristina* (Ettingshausen) Stur, *Populus populina* (Brongniart) Knobloch, *Pterocarya paradisiaca* (Unger) Iljinskaja, *Pterocarya* sp. (fructus), *Quercus kubinyii* (Kováts ex Ettingshausen) Czezcott, *Quercus pseudorobur* Kováts, *Quercus* sp. (folia), *Quercus* sp. 1, 2 (fructus), *Ribes* sp., ?*Rosa* sp., *Salix* sp. 3, *Sassafras ferretianum* Massalongo et Scarabelli, *Torreya* sp., *Tsuga* sp., *Ulmus braunii* Heer, *Ulmus* sp. (fructus), *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HABLY and KVAČEK 1997a).

Remains: *Buxus pliocenica* Saporta et Marion, *Ginkgo adiantoides* (Unger) Heer, *Populus populina* (Brongniart) Knobloch, *Quercus kubinyii* (Kováts ex Ettingshausen) Czezcott, *Quercus pseudorobur* Kováts, *Sassafras ferretianum* Massalongo, *Torreya* sp., *Tsuga* sp. (HABLY and KVAČEK 1997b).

Remains: *Acer integerrimum* (Viviani) Massalongo, *Acer pseudomonspessulanum* Unger, *Acer* cf. *subcampestre* Göppert, *Buxus pliocenica* Saporta et Marion, *Carpinus betulus* L., *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Carya serraefolia* (Göppert) Kräusel, *Celtis trachytica* Ettingshausen, *Cotinus* sp., cf. *Crataegus* sp. 2, *Dicotylophyllum* sp. 2, "Diospyros" *brachysepala* Heer, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Eucommia* sp., *Ginkgo adiantoides* (Unger) Heer, cf. *Gleditsia* sp., *Juniperus* sp., *Leguminosae* sp., cf. *Malus* sp., *Parrotia pristina* (Ettingshausen) Stur, *Pterocarya paradisiaca* (Unger) Iljinskaja, *Quercus kubinyii* (Kováts ex Ettingshausen) Czezcott, *Quercus pseudorobur* Kováts, *Ribes* sp., cf. *Rosa* sp., *Sassafras ferretianum* Massalongo, *Torreya* sp., *Ulmus braunii* Heer, *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HABLY and KVAČEK 1998).

Remains: *Acer* div. sp., *Buxus pliocenica* Saporta et Marion, *Engelhardia orsbergensis* (Wessel et Weber) Jähnichen, Mai et Walther, *Ginkgo adiantoides* (Unger) Heer, *Populus* div. sp., *Quercus pseudorobur* Kováts, *Salix* div. sp., *Sassafras ferretianum* Massalongo, *Torreya* sp., *Tsuga* sp. (HABLY 2003).

Strata: alginite (oil shale).

Deposited at: BP, SM.

Pula

Remains: *Buxus pliocenica* Saporta et Marion, *Populus balsamoides* Goepfert, *Populus tremula* L. fossilis, *Quercus pseudorobur* Kováts, *Salix* sp., Ulmaceae gen. et sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HABLY et al. 1996).

Remains: *Acer pseudomonspessulanum* Unger, *Buxus pliocenica* Saporta et Marion, *Carpinus grandis* Unger, *Carpinus neilreichii* Kováts, *Crataegus* sp. *Dicotylophyllum* sp. 1, 2, 4, *Ginkgo adiantoides* (Unger) Heer, Monocotyledonae gen. et sp., cf. *Paliurus tiliifolius* (Unger) Bůžek, *Populus balsamoides* Goepfert, *Populus* cf. *tremula* L. fossilis, *Quercus kubinyii* (Kováts ex Ettingshausen) Czezcott, *Quercus pseudorobur* Kováts, *Salix* sp. 1, 2, Ulmaceae gen. et sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HABLY and KVAČEK 1997a).

Remains: *Acer pseudomonspessulanum* Unger, *Carpinus grandis* Unger, *Crataegus* sp., *Ginkgo adiantoides* (Unger) Heer, cf. *Paliurus* sp., *Populus balsamoides* Goepfert, *Populus tremula* L., *Quercus kubinyii* (Kováts ex Ettingshausen) Czecczott, *Quercus pseudorobur* Kováts, *Salix* sp., *Zelkova zelkovifolia* (Unger) Bůžek et Kotlaba (HABLY and KVAČEK 1998).

Strata: alginite (oil shale).

Deposited at: BP, SM.

PLEISTOCENE

Budapest

Remain: *Eucladium verticillatum* (L.) Bryol. (BOROS 1925).

Strata: travertine.

Deposited at: unknown.

Budapest: Thököly-Hernád utca

BSZKRT: Drilling No. 4

Remain: *Scorpidium scorpioides* (Hedwig) Limpricht (BOROS 1952).

Strata: peat.

Deposited at: unknown.

Eger

Remains: *Acer* sp., *Alnus* sp., *Barbula tophacea* = *Didymodon tophacea* (Briders-Brideri) Lisa, Bryophyta, cf. *Buxus* sp., *Carex* sp., *Corylus avellana* L., *Corylus* sp., Cyperaceae gen. et sp., *Cyperus* sp., *Dicotylophyllum* gen. et sp., *Epilobium* sp., *Equisetum* sp., *Fraxinus* sp., Gramineae gen. et sp., *Ligustrum vulgare* L., *Ligustrum* sp., cf. *Phyllitis scolopendrium* (L.) Newman, *Pinus* sp., *Peplis portula* L., *Phragmites communis* L., *Populus* sp., *Potamogeton* sp., *Quercus* sp., *Salix caprea* L., *Salix cinerea* L., *Salix daphnoides*, *Salix* sp., *Schoenoplectus* sp., cf. *Schoenus* sp., *Ulmus campestris* L., *Ulmus* sp., *Vaucheria* sp., *Viburnum opulus* L. (HABLY and SKOFLEK 1989).

Strata: travertine.

Deposited at: KDM.

Győrújfalú

Remains: *Picea abies* (L.) Karsten, *Pinus sylvestris* L. (BAJZÁTH 1995).

Remains: *Alisma plantago-aquatica* L., *Alnus* sp., *Butomus umbellatus* L., *Carex aquatilis* Wahlenberg, *Carex caespitosa* L., *Carex elata* Allioni, *Carex elongata* L., *Carex gracilis* Curtis, *Carex nigra* (L.) Reichard, *Carex pseudocyperus* L., *Carex riparia* Curtis, *Carex rostrata* Stokes, *Carex* sp., *Carpinus betulus* L., *Hippuris vulgaris* L., *Hydrocharis morsus-ranae* L., *Lemna trisulca* L., *Myriophyllum verticillatum* L., *Najas tenuissima* (Al. Braun) Magnus, *Oenanthe aquatica* (L.) Poiret, *Polygonum lapathifolium* L., *Potamogeton gramineus* L.,

Potamogeton perfoliatus L., *Ranunculus aquatilis* L., *Ranunculus fluitans* Lamarck, *Ranunculus lingua* L., *Ranunculus nemorosus* De Candolle, *Ranunculus trichophyllus* Chaix, *Sagittaria sagittifolia* L., *Schoenoplectus lacustris* (L.) Palla, *Schoenoplectus tabernaemontani* (Gmelin) Palla, *Scirpus sylvaticus* L., *Scirpus* sp., *Sparganium emersum* Rehmman, *Stachys palustris* L., *Stratiotes aloides* L., *Thalictrum flavum* L., *Typha* cf. *latifolia* L. (BAJZÁTH 1996).

Remains: *Abies alba* Miller, *Acinos arvensis* (Lamarck) Dandy, *Alisma plantago-aquatica* L., *Alnus glutinosa* (L.) Gaertner, *Alnus* sp., *Angelica palustris* (Bess.) Hoffman, *Azolla filiculoides* Lamarck, *Betula pubescens* Ehrhardt, *Betula* sp., *Butomus umbellatus* L., *Caldesia parnassifolia* (Bassi) Parlato, *Callitriche hamulata* Kützing, *Callitriche palustris* L., *Callitriche platycarpa* Kützing, *Callitriche stagnalis* Scopoli, *Callitriche* sp., *Calluna vulgaris* L., *Carex acutiformis* Ehrhardt, *Carex aquatilis* Wahlenberg, *Carex binervis* Smith, *Carex caespitosa* L., *Carex elata* Allioni, *Carex elongata* L., *Carex elongatoides* Lancucka-Srodoniowa, *Carex gracilis* Curtis, *Carex leporina* L., *Carex nigra* (L.) Reichard, *Carex paucifloroides* Weliczkievicz, *Carex pseudocyperus* L., *Carex riparia* Curtis, *Carex rostrata* Stokes, *Carex vesicaria* L., *Carex* spp., *Carpinus betulus* L., *Chara* sp., *Chenopodium album* L., *Chrysanthemum vulgare* (L.) Bernhard, *Cicuta virosa* L., *Cirsium arvense* (L.) Scopoli, *Cirsium palustre* (L.) Scopoli, *Eleocharis palustris* (L.) Rostkoff et Schmidt, *Equisetum* sp., *Eriophorum angustifolium* Honckeney, *Eupatorium cannabinum* L., *Euphorbia palustris* L., *Fraxinus* sp., *Hippuris vulgaris* L., *Hydrocharis morsus-ranae* L., *Juncus bufonius* L., *Juncus* sp., *Larix decidua* Miller, *Lemma minor* L., *Lemma trisulca* L., *Mentha aquatica* L., *Mentha arvensis* L., Musci, *Myosoton aquaticum* (L.) Moench, *Myriophyllum soicatum* L., *Myriophyllum verticillatum* L., *Najas flexilis* (Willdenow) Rostkoff et Schmidt, *Najas marina* L., *Najas tenuissima* (Al. Braun) Magnus, *Nitella* sp., *Nitellopsis obtusa* (Desvaux) Groves, *Nymphaea alba* L., *Nymphaea* sp., *Oenanthe aquatica* (L.) Poiret, *Ostrya carpinifolia* Scopoli, *Papaver dubium* L., *Picea abies* (L.) Karsten, *Picea omorikoides* Weber, *Pinus sylvestris* L., *Pinus* sp., *Polygonum hydropiper* L., *Polygonum lapathifolium* L., *Populus* sp., *Portulaca oleracea* L., *Potamogeton gramineus* L., *Potamogeton natans* L., *Potamogeton obtusifolius* Mertens et Koch, *Potamogeton perfoliatus* L., *Potentilla supina* L., *Ranunculus aquatilis* L., *Ranunculus flammula* L., *Ranunculus fluitans* Lamarck, *Ranunculus lingua* L., *Ranunculus nemorosus* De Candolle, *Ranunculus sceleratus* L., *Ranunculus trichophyllus* Chaix, *Rorippa islandia* (Oeder) Borbás, *Rubus caesius* L., *Sagina procumbens* L., *Sagittaria sagittifolia* L., *Salix* sp., *Salvinia natans* (L.) Allioni, *Schoenoplectus lacustris* (L.) Palla, *Schoenoplectus mucronatus* (L.) Palla, *Schoenoplectus tabernaemontani* (Gmelin) Palla, *Scirpus radicans* Schkuhr, *Scirpus sylvaticus* L., *Scirpus* spp., *Sonchus arvensis* L., *Sparganium emersum* Rehmman, *Stachys palustris* L., *Stachys sylvatica* L., *Stratiotes aloides* L., *Thalictrum flavum* L., *Typha latifolia* L., *Urtica dioica* L., *Viola palustris* L., *Viola rupestris* Schmidt, *Vitis sylvestris* Gmelin (BAJZÁTH 1998).

Strata: clay.

Deposited at: BP, partly unknown.

Háromfa (Somogy m.)

Remains: *Calliigon giganteum* (Schimper) Kindb., *Drepanocladus exannulatus* (B., S. et G.) Warnstorf, *Drepanocladus fluitans* (Hedwig) Warnstorf = *Warnstorfia fluitans* (Hedwig) Loeske, *Drepanocladus sendtneri* (Schimper ex C. Mueller) Warnstorf, *Drepanocladus verni-*

cosus (Mitt.) Warnstorf, *Hypnum hollósianum* = *Drepanocladus hollosianus* (Schilberski) Gyoerffy, *Scorpidium scorpioides* (Hedwig) Limpricht (BOROS 1952).

Strata: peat.

Deposited at: unknown.

Kecskemét

Remain: *Scorpidium scorpioides* (Hedwig) Limpricht (BOROS 1952).

Strata: peat.

Deposited at: BP.

Kiskunfélegyháza

Remains: *Calliargon giganteum* (Schimper) Kindb., *Drepanocladus exannulatus* (B., S. et G.) Warnstorf, *Drepanocladus fluitans* (Hedwig) Warnstorf = *Warnstorfia fluitans* (Hedwig) Loeske, *Drepanocladus sendtneri* (Schimper ex C. Mueller) Warnstorf, *Drepanocladus vernicosus* (Mitt.) Warnstorf, *Hypnum hollósianum* = *Drepanocladus hollosianus* (Schilberski) Gyoerffy, *Scorpidium scorpioides* (Hedwig) Limpricht (BOROS 1952).

Strata: peat.

Deposited at: BP, partly unknown.

Miskolc: Lillafüred

Remain: *Fagus orientalis* Lipsky (BOROS 1955).

Strata: travertine.

Deposited at: BP.

Mónosbél

Remains: *Syringa bukkensis* Skoflek sp. nov., *Syringa hungarica* Skoflek sp. nov. (SKOFLEK 1968).

Strata: travertine.

Deposited at: MM.

Pásztó

Remain: *Acer pseudoplatanus* L. (STAUB 1889b).

Strata: unknown.

Deposited at: unknown.

Süttő

Remains: *Celtis cf. australis* L., *Celtis* sp. 1, 2, *Vitis sylvestris* Gmelin, *Vitis cf. vinifera* L. (SKOFLEK 1979).

Remains: *Celtis cf. australis* L., *Celtis* sp. 1, 2, *Vitis sylvestris* Gmelin, *Vitis cf. vinifera* L. (BRUNNACKER *et al.* 1980).

Strata: travertine.

Deposited at: KDM.

Tata

Remain: *Didymodon tophaceus* (Brid.) Jur. (BOROS 1925).

Remain: *Barbula tophacea* = *Didymodon tophaceus* (Brid.) Jur. (BOROS 1937).

Strata: travertine.

Deposited at: BP.

Tomori-part
(Between Tímár and Szabolcs)

Remains: *Drepanocladus sendtneri* (Schimper ex C. Mueller) Warnstorf, *Menyanthes trifoliata* L. (fruit), *Scorpidium scorpioides* (Hedwig) Limpricht (BOROS 1952).

Strata: peat.

Deposited at: unknown.

Vértesszőlős

Remains: *Acer* sp., *Asplenium scolopendrium* L. = *Phyllitis scolopendrium* (L.) Newman, *Buxus* sp., *Carya* sp., *Celtis* sp., *Cercidiphyllum* sp., *Cornus* sp., *Cotoneaster* sp., *Ficus tiliaefolia* Al. Braun, *Ligustrum* sp., *Parrotia fagifolia* (Goepfert) Heer = *Parrotia pristina* (Ettingshausen) Stur, *Picea abies* (L.) Karsten, *Pinus nigra* Arnold, *Pinus sylvestris* L., *Pterocarya* sp., *Salix* sp., *Syringa* sp., *Tilia* sp., *Ulmus* sp. (SKOFLEK and BUDÓ 1967).

Remains: *Syringa pannonica* Skoflek et Budó sp. nov., *Syringa pleistocenica* Skoflek et Budó sp. nov. (SKOFLEK 1968).

Remains: cf. *Abies alba* Miller, *Acer argutum* Maximovicz, *Acer campestre* L., *Acer platanoides* L., *Acer pseudoplatanus* L., *Acer* sp., *Acorus calamus* L., *Alnus ducalis* (Sander) Knobloch, *Alnus glutinosa* (L.) Gaertner, *Alnus cf. rugosa* (Du Roi) Sprengel, *Alnus cf. subcordata* Meyer, *Alnus* sp., *Angelica archangelica* L., *Asparagus* sp., *Asplenium cf. petrarche* L., *Asplenium scolopendrium* L., *Barbula tophacea* (Bridel-Brideri) Mitten, *Betula verrucosa* Ehrhardt, *Buxus sempervirens* L., *Byttneriophyllum tiliaefolium* (Al. Braun) Knobloch et Kvacek, cf. *Caragana arborascens* Lamarck, *Carex elata* Allioni, *Carpinus betulus* L., *Carpinus orientalis* Miller, *Carya* sp., *Catalpa miklosi* sp. nov., cf. *Cedrus* sp., *Celtis australis* L., *Celtis occidentalis* Gray, cf. *Ceratonia siliqua* L., *Cercidiphyllum crenatum* (Unger) Brown, *Cercis chinensis* Bunge, *Cercis* sp., *Chlorocyperus glomeratus* (Turner) Pallas, *Clematis recta* L., *Clematis vitalba* L., *Clematis* sp., *Colutea arborascens* L., Compositae gen. et sp., *Cono-*

cephalum conicum (L.) Dumortier, *Cornus mas* L., *Cornus sanguinea* L., *Cornus* sp., *Corydalis* sp., *Corylus avellana* L., *Corylus colurna* L., *Cotoneaster* sp., *Cratoneurum commutatum* (Hedwig) Moenken, Cyperaceae gen. et sp., *Epilobium adnatum* Grisebach, *Epilobium roseum* Schreber, cf. *Epilobium* sp., *Equisetum ramosissimum* Desfontaines, *Equisetum telmateia* Ehrhardt, *Euonymus* sp., *Frangula* cf. *rupestris* Scopoli, *Frangula* sp., *Fraxinus* cf. *angustifolia* Fukarek, *Fraxinus excelsior* L., *Fraxinus ornus* L., *Fraxinus oxycarpa* Willdenow, *Fraxinus* sp., *Gladiolus* sp., *Glycyrrhiza* cf. *glabra* L., Gramineae gen. et sp., *Hedera* cf. *helix* K. Koch, Hepaticae gen. et sp., *Heracleum sphondylium* L., *Hypericum* sp., *Juglans* sp., *Juncus* cf. *articulatus* L., *Juncus* cf. *inflexus* L., cf. *Juniperus* cf. *virginiana* L., *Larix decidua* Miller, *Laurus* cf. *nobilis* L., Leguminosae gen. et sp., cf. *Lembotropis nigricans* (L.) Grisebach (Syn. *Cytisus nigricans* L.), *Lemna triscula* L., *Lonicera coerulea* L., *Lonicera nigra* L., *Lonicera* cf. *xylostemum* L., *Lonicera* sp., *Loranthus* sp., *Lycopodium* sp., *Malus* sp., *Myriophyllum verticillatum* L., *Oenanthe aquatica* (L.) Lamarck, *Ostrya* cf. *carpinifolia* Scopoli, *Parrotia fagifolia* (Goeppert) Heer, *Pellia endiviaefolia* (Dickson) Lindberg, *Phragmites communis* L., *Picea* cf. *orientalis* Link, *Pinus mugo* Turra, *Pinus nigra* Arnold, *Pinus pinea* L., *Pinus sylvestris* L., *Pinus* sp., *Platanus* cf. *acerifolia* L., *Populus alba* L., *Populus* cf. *alnifolia* Andreánszky, *Populus canescens* (Arnold) Smith, *Populus* sp., *Populus tremula* L., *Potamogeton* cf. *natans* L., *Potamogeton perfoliatus* L., *Potamogeton* sp., *Prunus* sp., *Prunus spinosa* L., *Pterocarya fraxinifolia* Spach, *Pterocarya stenoptera* De Candolle, *Quercus bicolor* Willdenow, *Quercus cerris* L., *Quercus dentata* Thunberg, *Quercus* cf. *frainetto* Tenore, *Quercus macranthera* Fischer et Meyer, *Quercus macrocarpa* Michaux, *Quercus petraea* (Mattuschka) Lieblin, *Quercus pubescens* Willdenow, *Quercus robur* L., *Quercus virginiana* Tenore, *Quercus* sp., *Rhamnus alaternus* L., *Rhamnus catharticus* L., *Rhamnus* cf. *pumila* L., *Rhamnus* sp., *Rhododendron ponticum* L., *Rosa gallica* L., *Rosa* sp., *Rubus samueli* Skoflek sp. nov., *Salix arbuscula* L., *Salix aurita* L., *Salix caprea* L., *Salix cinerea* L., *Salix dasyclada* Vimmer, *Salix elaeagnos* Scopoli, *Salix fragilis* L., *Salix hastata* L., *Salix purpurea* L., *Salix repens* L., *Salix viminalis* L., *Salix* sp., *Schoenoplectus lacustris* (L.) Palla, *Schoenoplectus* sp., *Schoenus* sp., cf. *Scirpus* sp., *Sedum maximum* (L.) Hoffmann, *Sinapsis alba* L., *Sorbus vértesi* Skoflek sp. nov., *Sparganium* cf. *erectum* L., *Spiraea ulmifolia* Scopoli, *Syringa pannonica* Skoflek, *Syringa pleistocaenica* Skoflek et Budo, *Tamus* cf. *communis* L., *Taxus baccata* L., *Tilia argentea* Desfontaines, *Tilia cordata* Miller, *Tilia platyphyllos* Scopoli, *Tilia* sp., *Typha latifolia* L., *Ulmus campestris* L., *Ulmus campestris* cf. *praelata* Skoflek sp. nov., *Ulmus glabra* Miller, *Ulmus laevis* Pallas, *Ulmus* sp., *Vaccinium* cf. *uliginosum* L., *Vaucheria de baryana* Woronin, *Vaucheria dichotoma* Agardh, *Viburnum lantana* L., *Viburnum* cf. *tinus* L., *Viburnum* sp., *Vicia angustifolia* Grufberg, *Vicia cracca* L., *Vitis* cf. *vinifera* L. (SKOFLEK, I. 1990).

Strata: travertine.

Deposited at: KDM.

* * *

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Appendix Localities of the Hungarian leaf-floras.

EOCENE	Kocs: Drilling No. 4	46
Bajót: Búzás-hegy	LOWER OLIGOCENE	
Dorog	Budakeszi	46
Héreg: Drilling No. 14	Budapest: Batthyány tér	46
Mogyorósbánya	Budapest: Bécsi út	47
Solymár: Drilling No. 72	Budapest: Bohn brickyard	47
Tatabánya: Márgabánya	Budapest: Budaújlak	48
MIDDLE EOCENE	Budapest: Csillaghegy	49
Balinka	Budapest: Kapás utca	50
Dudar	Budapest: Kiscell-1 drilling.	50
Lábatlan	Budapest: Moszkva tér	50
Tatabánya	Budapest: Nagybátony-Újlak brickyard	51
Tokod	Budapest: Óbuda	51
UPPER EOCENE	Budapest: Szépvölgy brickyard	52
Budapest: Gellért-hegy	Budapest: Vörösvári é, Drillings "H".	52
Budapest: Martinovics-hegy	Eger: Erzbischof brickyard	53
OLIGOCENE	Eger: Kiséged	53
Bajna: Drillings Nos 57, 58.	Eger: Vécsey-völgy	56
Csolnok	Noszvaj: Herceg-oldal	56

Noszvaj: Nagyimány	56	Parassapuszta	75
UPPER OLIGOCENE		Sajómercse	75
Egerian		Szurdokpüspöki	75
Andornaktálya	57	Upper Badenian	
Csörög	57	Nógrádszakál: Páris-völgy	76
Eger: Wind brickyard	57	Sarmatian	
Kesztölc	61	Balaton-Dellő	77
Mátraderecske	62	Bánfalva	79
Nagysáp	62	Bánfalva: Ortásgödör	79
Pomáz	62	Bánfalva: Patakos I	80
Pusztaberki	63	Bánfalva: Patakos II	80
Verőcemaros	63	Bánhorvati	80
Vértesszőlős: Baromállás	63	Bánhorvati: Kővágó-tető	81
MIOCENE		Bánhorvati: Verőbánya	82
Eger: Fertő-völgy	64	Buják	82
Iharosberény: I borehole	64	Bükkmogyorósd: Baglyas-gödör	83
Tar: Drilling No. 34	64	Bükkszentmárton: Isten-tető	84
Egenburgian		Dédestapolcsány: Gulyadéllő	84
Szászvár	65	Dédestapolcsány: Halabuka	84
Ipolytarnóc	65	Dédestapolcsány: Mocsolyamál	84
Ottngian		Dédestapolcsány: Szelecsi-völgy	85
Ipolytarnóc	65	Diósgyőr: Nagybakos	85
Kisterenye	68	Egerboos	85
Magyaregregy: Almás-dűlő	68	Egerszólát: Bagoly-völgy	85
Salgótarján	68	Erdőbénye	86
Váralja	69	Erdőbénye: Barnamáj	87
Ottngian–Karpatian		Erdőbénye: Kővágó-oldal	88
Abaliget: Kiskő-hegy	69	Erdőbénye: Ligetmajor	90
Hidas: Magyar-Hidas	70	Felsőtárkány	90
Hidas: Német-Hidas	70	Füzérkajata	92
Komló: Komló-völgy	70	Füzérradvány	92
Magyaregregy: Farkasordító-árok	70	Hidas: Drilling No. 95	93
Magyaregregy: Kisréti-árok	71	Kéked	93
Ó-Falu: Rákpaták-völgy	72	Kondó: Harica-völgy –	93
Orfű: Rákos	72	Mád	94
Orfű: Tekeres	72	Megyaszó	95
Püspöknádasd: Nádasd	72	Mikófalva: Szőke-hegy	96
Zobákpusztá: Pusztá-szobák	72	Miskolc: Csosznya	97
Badenian		Nagybarca	97
Andornaktálya: Pince-völgy	73	Ónod	98
Lower Badenian		Sajókaza	98
Eger: Tihamér	73	Sály	98
Gyöngyőspata	73	Sopron: Piusz pusztá	99
Hont: Bába-hegy	74	Tállya	100
Hont: Nagy-hegy – Németpataki-völgy	74	Uppony	102
Nógrádszakál: Bertece-völgy	74	Várpalota	103

Zsujta	103	Szeleste	109
Pannonian		Szombathely	109
Mindszentkállya	103	Szombathely: Hungaria brickyard	109
Lower Pannonian		Teskánd	109
Kőszeg: Pogány-völgy	103	Tihany: Fehérpart	109
Répcévis	103	Tiszapalkonya: I borehole	110
Rudabánya	104	Tömörd	110
Szilágy: Drilling No. III	105	Villány	110
Upper Pannonian		Visonta	110
Beremend	105	PLIOCENE	
Balatonszentgyörgy: Csillagvár brickyard	105	Gérce	111
Bükkábrány	105	Pula	112
Csarnóta	105	PLEISTOCENE	
Dozmat	106	Budapest	113
Érd	106	Budapest: Thököly-Hernád utca	113
Gersekarát	106	Eger	113
Hegyhátszentpéter	106	Győrújfalú	113
Hidegség	106	Háromfa (Somogy m.)	114
Iharosberény: I borehole	106	Kecskemét	115
Kemenesmihályfa	107	Kiskunfélegyháza	115
Kerecsend	107	Miskolc: Lillafüred	115
Olaszfa	107	Mónosbél	115
Pécel	107	Pásztó	115
Polgárdi	107	Süttő	116
Rózsaszentmárton: Petőfibánya	107	Tata	116
Sé II	108	Tomori part (between Tímár and Szabolcs)	116
Sótony	108	Vértesszőlős	116
Süttő	109		