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Plant types of Sándor Jávorka in the Hungarian Natural History Museum in Budapest III.

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Abstract – 34 types from 20 taxa of SÁNDOR JÁVORKA, i. e. 1 holotype, 1 isotype, 15 lectotypes, 10 isolectotypes; 3 paratypes and 4 neotypes are elaborated, which are deposited in the Herbarium Carpato-Pannonicum – including Herbarium Kitaibelianum – and in the Herbarium Generale in the Department of Botany, Hungarian Natural History Museum in Budapest (BP). With 11 figures.

INTRODUCTION

In this paper the author finishes discussing the type specimens of SÁNDOR JÁVORKA which are deposited in the Herbarium Carpato-Pannonicum – including Herbarium Kitaibelianum – and in the Herbarium Generale in the Department of Botany, Hungarian Natural History Museum in Budapest. 73 types from 49 taxa of JÁVORKA have already been published (KOVÁTS 1975, 1982, 1984, 1998, 1999). This paper enumerates 34 types of 20 taxa, so altogether the author discussed 107 types of 69 taxa of JÁVORKA. In this paper the author enumerates types of 3 species, 1 hybrid, 3 subspecies, 4 varietas, 8 forma and 1 lusus. This material includes 1 holotype, 1 isotype, 15 lectotypes, 10 isolectotypes, 3 paratypes and 4 neotypes of JÁVORKA. He described those taxa alone, or in co-authorship with V. CSAPODY, J. B. KÜMMERLE, J. UJHELYI and I. MARKGRAF-DANNENBERG who gave the description of a varietas nova of JÁVORKA. The types are from 8 families: Asteraceae or Compositae, Caryophyllaceae, Chenopodiaceae, Primulaceae, Salicaceae, Orchidaceae, Cyperaceae and Poaceae or Gramineae. The loci classici of 13 types are in Albania, 10 types in Transylvania (Romania), 6 types in Slovakia, 4 types in Hungary and 1 type in Dalmatia (Croatia). Together with this paper the author discussed 107 types of 69 taxa of JÁVORKA.

ASTERACEAE (COMPOSITAE)

Achillea fraasi SCHULTZ f. *korabensis* KÜMMERLE et JÁVORKA, 1921

Lectotype – Protologue: JÁVORKA (1921: 28). On the original label with JÁVORKA's handwriting: "Achillea Fraasi F. Schultz. f. korabensis Kümm. et Jáv. in Bot. Közl. (1920) 28. = A. canescens Form.?"

Locus – Printed: "Montes Albaniae boreali-orientalis inter opp. Prizren et Debra jacentes: "after with KÜMMERLE's handwriting: "montes nivales Korab, ad latera supinam declivium orientalium cacuminis altissimi supra dolinam maximam supremam ad pagum Radomir; altit. circa. 2600 m. s. m., sol. calc."

Data – With KÜMMERLE's handwriting: "VIII.27.1918" [27.08.1918] "leg. Dr. J. B. Kümmerle"

Collection – "Iter Albanicum Per Sectionem Botanicam Musei Nationalis Hungarici Susceptum". DALLA TORRE and HARMS' number: 9332, inventory number: 492172, collector's number: 91.

The specimens on the sheet, which was designated as the lectotype, consist of two leafy stems with flowers and basal leaves with roots.

Senecio sulphureus (BAUMGARTEN) SIMONKAI ssp. *microrrhizus* (SCHUR) JÁVORKA, 1925

Lectotype – Protologue: JÁVORKA (1925*b*: 1138). On the original label with JÁVORKA's handwriting with pen: "Senecio" and "sulphureus (Baumg.) Simk. aurantiacus?" he crossed out and wrote with pencil: "microrrhizus (Schur)"

Locus – with JÁVORKA's handwriting: "Máramaros m.: Nagy Pietrosz havas, az alsó tó körül" [Máramaros county (in Transylvania, Romania) in the Nagy Pietros mountain around the lower lake]

Data – With JÁVORKA's handwriting: "1907.jul.5." [05.07.1907] "gy. Dr. Filarszky – Jávorka" [leg.: FILARSZKY et JÁVORKA]

Collection – "Herbar. Musei Nat. Hungar. Budapest. Flora Hungarica". DALLA TORRE and HARMS' number: 9411, inventoty number: 176189, collector's number: 75.

The specimens on the sheet, which was designated as the lectotype, consist of three leafy plants with flowers and roots.

Senecio doronicum LINNAEUS f. *albanicus* KÜMMERLE et JÁVORKA, 1921

Lectotype – Protologue: JÁVORKA (1921:28–29). On the original label with JÁVORKA's handwriting: "Cineraria Crepis" crossed out and after: "Senecio doronicum L. f. albanicus Kümm. et Jáv."

Locus – Printed: "Montes Albaniae boreali-orientalis inter opp. Prizren et Debra jacentes:" after with KÜMMERLE's handwriting: "Korab in lapidosis graminosis declivium orientalium

cacuminis altissimi supra dolinam maximam supremam ad pagum Radomir; altit. circa 2800 m. s. m.; sol. calc."

Data – With KÜMMERLE's handwriting: "VII.24.1918" [24.07.1918] "leg. Dr. J. B. Kümmerle"

Collection – "Iter Albanicum Per Sectionem Botanicam Musei Nationalis Hungarici Susceptum" DALLA TORRE and HARMS' number: 9411, inventory number: 410478, collector' number: 91.

The specimens on the sheet, which was designated as the lectotype, consist of three leafy plants (four stems) with flowers and roots and four basal leaves with root.

Centaurea mollis WALDSTEIN et KITAIBEL f. *máramarosiensis* JÁVORKA, 1925

Neotype – Protologue: Jávorka (1925*a*: 78, 1925*b*: 1170). On the label with BOROS' handwriting: "Centaurea mollis W. et K. f. máramarosiensis Jáv."

Locus – Typewritten: "Comit. Máramaros. In piceetis vallis Hoverla prope Tiszabogdány. Alt. s. met. ca: 800–1300" [in Transylvania, Romania]

Data – Typewritten: "19. jul.1939."

Collection – "Dr. A. Boros: Plantae Hungariae Exsiccatae", DALLA TORRE and HARMS' number: 9476, inventory number: 465155.

The specimen on the sheet, which was designated as the neotype, consists of a leafy plant with flowers without root.

Crepis bertiscea JÁVORKA, 1922

Neotype – Protologue: JÁVORKA (1922*c*: 21). On the label with PÉNZES' handwriting: "Crepis bertiscea Jáv. Det. P."

Locus – Printed: "Albaniae borealis tractus Alpium Albaniae borealium ("Bertiscus"), ad faucem rivi Valbona prope pag. Kolgecaj (Bajram Curri). In solo calcareo.

Data – Printed: "30. Jun. 1955. Jávorka et Ujhelyi"

Collection – "Iter Albanicum, 1955", DALLA TORRE and HARMS' number: 9605, inventory number: 522028.

The specimen on the sheet, which was designated as the neotype, consists of a leafy plant with fruits without root.

Crepis baldaccii HALÁCSY ssp. *albanica* JÁVORKA, 1922

Lectotype – Protologue: JÁVORKA (1922*c*: 21). On the original label someone wrote with pen: "Crepis Baldaccii Hal. ssp. albanica Jáv."

Locus – "Montes Albaniae borealis versus opp Djakora externi: Montes Hekurave. In glareosis calc. sub monte Cafa Drosks supra pag. Djagobira, alt ca 1400–1500 m. s. m."

Data – "30.aug.1918 leg.: Dr. S. Jávorka"

Collection – "Herbar. Musei Nat. Hungar. Budapest." "Flora Hungarica" and "Duplicata" had been crossed out. DALLA TORRE and HARMS' number: 9605, inventory number: 572558.

The specimen on the sheet, which was designated as the lectotype, consists of a leafy plant with flower (after blossomed) without root.

CARYOPHYLLACEAE

Dianthus lumnitzeri WIESBAUR var. *soói* JÁVORKA, 1939

Neotype – Protologue: JÁVORKA (1939: 240–241). On the label: "Dianthus serotinus W. et K. var. soói Jáv."

Locus – "Montes Keszthelyi-hg.. In rupestribus dolomit. montis Petőhegy, supra pag. Gyenesdiás." [Hungary, county Veszprém].

Data – "6.juni.1955. leg. et det. T. Pócs"

On the author's label: "Dianthus lumnitzeri Wiesb. var. soói Jáv. 1938–39. Neotypus 13.09.1999 D. Kováts"

Collection – "Herbarium Musei Hist. Nat. Hung. Budapest Flora Hungarica". DALLA TORRE and HARMS' number: 2502, inventory number: 204754.

The specimens on the sheet, which was designated as the neotype, consist of thirteen leafy stems with flowers and partly roots and separated basal leaves.

Dianthus petraeus WALDSTEIN et KITAIBEL f. *hunyadense* JÁVORKA, 1922

Lectotype – Protologue: JÁVORKA (1922*b*: 149–150). On the original label with JÁVORKA's handwriting with pen and pencil: "Dianthus spiculifolius Schur – petraeus (hunyadensis Jáv.)"

Locus – With JÁVORKA's handwriting: "comit. Hunyad: in rup. calc. montis Tiocanele et Stenulete alp. Retyezát altit. 1900 m." [in Transylvania, Romania].

Data – With JÁVORKA's handwriting: "VIII. 13. 910" [13.08.1913] "L. Dr. Jávorka".

Collection – "Herbar Musei Nat. Hungar. Budapest Flora Hungarica" and a stamp on the sheet: "Magyar Nemzeti Múzeum Növénytani Osztálya Budapest" [Department of Botany, Hungarian National Museum, Budapest]. DALLA TORRE and HARMS' number: 2502, inventory number: 57124, collector's number: 151.

The specimens on the sheet, which was designated as the lectotype, consist of twenty-seven leafy stems with flowers and most of them with roots.

First isolectotype – On the original label with JÁVORKA's handwriting with pen and pencil: "Dianthus spiculifolius Schur proximam petraeus var. hunyadense Jáv."

Locus – with Jávorka's handwriting: "comit. Hunyad: in rup. calc. montis Pietra Lesului ad opp. Petrozsény" [in Transylvania, Romania].

Data – with JÁVORKA's handwriting: " VII. 12. 910." [12.07.1910] "L. Dr. Jávorka".

Collection – Same as lectotype. DALLA TORRE and HARMS' number: 2502, inventory number: 57127, collector's number: 151.

The specimens on the sheet, which was designated as the isolectotype, consist of twenty leafy stems with flowers and roots.

Second isolectotype – On the original label with JÁVORKA's handwriting with pen and pencil: "Dianthus spiculifolius Schur – petraeus W. K! = petraeus var. hunyadense Jáv.".

Locus – "Hunyad m." after: "Zenoga tó körül" crossed out, "a Retyezát havasokban, ad Piatra Jorgovanului, alt. ca. 2000" [in Transylvania, Romania].

Data – With JÁVORKA's handwriting: "1904.VII.26." [26.07.1904] "gy. Jávorka S." [leg. S. JÁVORKA].

Collection – Same as lectotype. DALLA TORRE and HARMS' number: 2502, inventory number: 57128, collector's number: 151.

The specimens on the sheet, which was designated as the isolectotype, consist of two leafy plants with flowers and roots (with nine flowering stems), two separeted leafy flowering stems and a paper bag with two petals.

Dianthus spiculifolius SCHUR var. *csapodyae* JÁVORKA et UJHELYI, 1943

Lectotype – Protologue: UJHELYI (1943: 48–52). On the label: "Dianthus spiculifolius Schur var. Csapodyae Ujhelyi" someone wrote with pencil on the sheet: "var. Csapodyae".

Locus – "Hungaria mer.-or., comit. Csik. In rupestribus montis Vithavas prope Recefalva Gyergyótölgyes alt. s. met. ca: 1500" [in Transylvania, Romania].

Data – "VII. 1941"

Collection – "László Vajda Plantae Hungariae Exsiccatae". DALLA TORRE and HARMS' number: 2502, inventory number: 284759.

The specimens on the sheet, which was designated as the lectotype, consist of thirteen leafy stems with flowers and roots, divided into five parts.

First isolectotype – The text on the label is the same as on the lectotype.

Collection – Same as lectotype, DALLA TORRE and HARMS' number: 2502, inventory number: 284760.

The specimens on the sheet, which was designated as the isolectotype, consist of four leafy stems with flowers and roots.

Second isolectotype – On the label: "Dianthus spiculifolius Schur var. Csapodyae Jáv."

Locus – "Vithavas, Csik m. Gyergyótölgyesnél" [in monte "Vithavas", comitatus Csik, prope pag. Gyergyótölgyes [in Transylvania, Romania].

Data – "1941. julius hó" [07.1941]

Collection – "Herb. L. Vajda", DALLA TORRE and HARMS' number: 2502, inventory number: 416698.

The specimens on the sheet, which was designated as the isolectotype, consist of three leafy stems with flowers.

Cerastium glandulosum (KITAIBEL) JÁVORKA, 1925

Lectotype – Protologue: JÁVORKA (1925*b*: 310, 1934: 135). On the original label with JÁVORKA's handwriting: "Cerastium glandulosum (Kit.) = Tátrae Borb. = Lerchenfeldianum Schur".

Locus – With JÁVORKA's handwriting: "Montes Magas Tátra: in herbidis rupium calc. montis Homlokos (Stirnberg)" [in Slovakia].

Data – With JÁVORKA's handwriting: "19. VI. 1907. leg. S. Jávorka".

Collection – Herbar. Musei Nat. Hungar. Budapest. Flora Hungarica. DALLA TORRE and HARMS' number: 2430, inventory number: 49531, collector's number: 151.

The specimens on the sheet, which was designated as the lectotype, consist of several leafy stems into one bundle with several flowers.

Minuartia graminifolia (ARDUINO) JÁVORKA ssp. *hungarica* JÁVORKA, 1914 (Figs 1–2)

Lectotype – Protologue: Schedae ad Floram Hungaricam Exsiccatam (1914: 22–23). On the original exsiccata label printed: "142. Minuartia graminifolia (Ard.) Jáv. ssp. M. hungarica Jáv." with the synonym names and the Latin diagnosis of the subspecies (Fig. 1).

Locus – Printed: "Comit. Krassó-Szörény. In fissuris rupium perpendicularium montis Arzsána supra pag. Ekés (olim Plugova) et Mehádia. Solo calc. Alt. ca. 1450 m. " (Fig. 1) [in Romania].

Data – Printed: "13. Juli. 1912. leg. S. Jávorka." (Fig. 1).

Collection – "Sectio Botanica Musei Nationalis Hungarici. Budapest. Flora Hungarica exsiccata Cent. II. Angiospermae 82." DALLA TORRE and HARMS' number: 2441, inventory number: 424824.

The specimens on the sheet, which was designated as the lectotype, consist of five leafy stems into one bundle with flowers, fruits and roots (Fig. 2).

Isolectotype – On the original label with JÁVORKA's handwriting: "Alsine graminifolia Gmel." after with pencil: "ssp. hungarica Jáv."

Locus – With JÁVORKA's handwriting: "Comit. Krassó-Szörény: in fissuris rupium subalpis Arzsána supra pag. Plugova." [in Romania].

Data – With JÁVORKA's handwriting: "VII. 12. 1912." [12.07.1912], stamped: "Leg. Dr. Jávorka".

On the author's label: "Nomen validum: Minuartia graminifolia (Ard.) Jáv. ssp. hungarica Jáv. Isolectotypus 09.1999 D. Kováts".

Collection – "Herbar. Musei Nat. Hungar. Budapest. Flora Hungarica", crossed out: "Duplicata". DALLA TORRE and HARMS' number: 2441, inventory number: 613480.

The specimens on the sheet, which was designated as the isolectotype, consist of two leafy plants, one of them with flowers and fruits, the other only with root and a separated root.

CHENOPODIACEAE

SECTIO BOTANICA MUSEI NATIONALIS HUNGARICI. BUDAPEST.

Flora Hungarica exsiccata.

Cent. II. Angiospermae 82.

142. Minuartia graminifolia *(Ard.) Jáv.*

comb. nova in Schedis ad Fl. hung. exs. Cent. II. (1914) No. 142.

Arenaria graminifolia *Arduino* Animadv. bot. spec. alt. (1759) p. 25. t. 10. — Alsine graminifolia *T. F. Gmel.* Syst. nat. II. (1791) p. 507. — Sabulina graminifolia *Rchb.* Fl. germ. exc. (1832) p. 789. — Pettera graminifolia *Rchb.* Icon. fl. germ. V. (1842) p. 33. t. 220. f. 4934. — Arenaria Rosani *Ten.* Fl. Neap. Prodr. (1811) p. XXVI. et Fl. Neap. IV. (1830) p. 223. — Arenaria Arduini β. italica *Vis.* Stirp. dalm. (1826) p. 8. — Alsine Arduini *Fenzl* Verbr. Alsin. (1833) in tab. ad p. 57.

ssp. M. hungarica *Jáv.*

ssp. nova in Schedis ad Fl. hung. exs. Cent. II. (1914) No. 142.

Alsine graminifolia var. semiglabra *Borb.* in Math. Term. Közl. XI. (1873) p. 280., non *Vis.* — A. graminifolia β. typica *G. Beck* Fl. v. Südbosn. in Ann. Naturhist. Hofm. II. [IV. Theil] (1886/7) p. 324. ex p. quoad pl. hung.

Folia, caulis, pedunculi et calyces subspeciei nostrae pube brevissima densa glandulosa obtecta. Folia usque 5 cm. longa, calycis laciniae 7—8 mm. longae capsula calyce conspicue brevior. Rhizoma vetustius mm. plures crassum. — M. graminifolia typica montes Italiae incola habet pubem hirtulo-patulam multo longiorem.

Comit. Krassó-Szörény. In fissuris rupium perpendicularium montis Arzsána supra pag. **Ekés** (olim Plugova) et **Mehádia.** Solo calc. Alt. ca. 1450 m. 13. Juli. 1912.

leg. S. Jávorka.

Fig. 1. The exsiccata label of *Minuartia graminifolia* (ARDUINO) JÁVORKA ssp. *hungarica* JÁVORKA.

SECTIO BOTANICA MUSEI NATIONALIS HUNGARICI.
BUDAPEST.
Flora Hungarica exsiccata.

Cent. II. Angiospermae 92.

142. Minuartia graminifolia *(Ard.) Jáv.*

emend. nova in Schedis ad Fl. hung. exs. Cent. II. (1914) No. 142.
Arenaria graminifolia *Arduino* Animadv. bot. spec. alt. (1759) p. 25. t. 10. — Alsine graminifolia *T. F. Gmel.* Syst. nat. II. (1791) p. 507. — Sabulina graminifolia *Rchb.* Fl. germ. exc. (1832) p. 789. — Petteria graminifolia *Rchb.* Icon. fl. germ. V. (1842) p. 33. t. 229. f. 4934. — Arenaria Reuxii *Ten.* Fl. Neap. Prodr. (1811) p. XXVI. et Fl. Neap. IV. (1830) p. 225. — Arenaria Arduini *S. Italica* Fw. Strp. dalm. (1826) p. 8. — Alsine Arduini *Fenzl* Verhr. Alsin. (1833) in tab. ad p. 57.

ssp. **M. hungarica** *Jáv.*

ssp. nova in Schedis ad Fl. hung. exs. Cent. II. (1914) No. 142.
Alsine graminifolia var. *semiglabra Borb.* in Math. Term. Közl. XI. (1873) p. 280., non *Vis.* — A. graminifolia *S. typica G. Beck* Fl. v. Südbosn. in Ann. Naturhist. Hofm. II. (IV. Theil) (1886/7) p. 324. ex p., quoad pl. hung.
Folia, caulis, pedunculi et calycum subspecies nostrae pube brevissima densa glandulosa obtecta. Folia usque 5 cm. longa, calycis laciniae 7—8 mm. longae, capsula calycem conspicue brevior. Rhizoma vetustius non, plures crassum. — M. graminifolia typica montes Italiae insula habet pubem hirtulo-patulam multo longiorem.

Comit. Krassó-Szörény. In fissuris rupium permodicarum montis Arnsáma supra pag. **Ekés** (olim Pingova) et **Mehádia.** Solo calc. Alt. ca. 1450 m. 13. Juli. 1912.

leg. S. Jávorka.

Fig. 2. *Minuartia graminifolia* (ARDUINO) JÁVORKA ssp. *hungarica* JÁVORKA, lectotype

CHENOPODIACEAE

Chenopodium hybridum LINNAEUS *lusus oppositifolium* KÜMMERLE et JÁVORKA, 1926

Lectotype – Protologue: CSIKI *et al.* (1926: 227). On the original label with KÜMMERLE's handwriting: "Chenopodium hybridum L. lus. oppositifolium K. et J. (f. pumila foliis suboppositis)."

Locus – Printed: "Montes Albaniae boreali-orientalis inter opp. Prizren et Debra jacentes:", continue with KÜMMERLE's handwriting: "in lapidosis graminosis in valle rivi Luma ad pedem declivium borealium montis nivalis Galica Lums adversus pagum Podbregija prope stationem militarem Kula Lums, sol. calc.; altit. circ. 450 m.".

Data – With KÜMMERLE's handwriting: "VI. 27. 1918. [27.06.1918], printed: "leg. Dr. J. B. Kümmerle".

Collection – "Iter Albanicum Per Sectionem Botanicam Musei Nationalis Hungarici Susceptum". DALLA TORRE and HARMS' number: 2223, inventory number: 89587, collector's number: 91.

The specimens on the sheet, which was designated as the lectotype, consist of nine small plants with leaves, flowers and roots.

PRIMULACEAE

Androsace lactea LINNAEUS f. *carpatica* JÁVORKA, 1922

Neotype – Protologue: JÁVORKA (1922*b*: 150) On the original label with pencil: "Androsace lactaea L. f. carpatica Jáv."

Locus – With pencil: "Hung. bor. Com Árva. In subalpinis montis Choc, supra pagum Jaszenova". [in Slovakia]

Data – With pencil: "Legi 15. Aug. 1912".

Collection – "L. de Thaisz: Planta Exsiccatae Regni Hungarici". DALLA TORRE and HARMS' number: 6319, inventory number: 447540.

The specimens on the sheet, which was designated as the neotype, consist of several leafy stems with fruits separated into three bundles.

SALICACEAE

Salix czakói (silesiaca x *rosmarinifolia)* JÁVORKA, 1922

Lectotype – Protologue: JÁVORKA (1922*a*: 85) On JÁVORKA's label with his handwriting with pencil: "S. aurita x rosmarinifolia? vel S. silesiaca x rosmarinifolia ? revid. Jáv."

Locus – In the Protologue: "Habitat circa opp. Késmárk, comit. Szepes ad pedes montium Magnae Tatrae [in Slovakia], ubi cl. Thomas Mauksch (+ 1831) exemplaria compluria legit et divo P. Kitaibelio misit (Herbarium Kitaibelii fasc. XXXIV. No 16, 17, 18–24, 47–51, 69, 212 sine nomine)." On the label of the sheet are: "No = 96" and some common Latin remarks about the habitat which are difficult to read.

Collection – "Herbar. Kitaibel Mus. nat. hung." DALLA TORRE and HARMS' number: 1873, inventory number: "fasc. XXXIV. No.16".

The specimens on the sheet, which was designated as the lectotype, consist of six leafy stems, three of them with fruits and a stem with catkins.

First isolectotype – On JÁVORKA's label with his handwriting with pencil: "S. silesiaca x rosmarinifolia ! revid. Jáv."

Locus – Is the same as lectotype. On the label of the sheet are: "No = 93" and some common Latin remarks about the habitat and the morphology of this hybrid which are difficult to read.

Collection – "Herbar. Kitaibel Mus. nat. hung." DALLA TORRE and HARMS' number: 1873, inventory number: "fasc. XXXIV. No. 17".

The specimens on the sheet, which was designated as the isolectotype, consist of four leafy stems, two of them with catkins.

Second isolectotype – On JÁVORKA's label with his handwriting with pencil: "S. silesiaca x rosmarinifolia ? S. aurita x rosmarinifolia revid. Jáv."

Locus – Is the same as lectotype. On the label of the sheet are: "No = 94" and some common Latin remarks about the habitat and the morphology of this hybrid which are difficult to read.

Collection – "Herbar. Kitaibel Mus. nat. hung.". DALLA TORRE and HARMS' number: 1873, inventory number: "fasc. XXXIV. No. 18".

The specimens on the sheet, which was designated as the isolectotype, consist of six leafy stems, three of them with catkins.

Third isolectotype – On JÁVORKA's label with his handwriting with pencil: "No 19 et sequentes : S. silesiaca x rosmarinifolia vel potius aurita x rosmarinifolia 1907. VII. revid. Jáv.".

Locus – Is the same as lectotype. On the label of the sheet are: "No = 92" and some common Latin remarks about the habitat and the morphology of this hybrid which are difficult to read.

Collection – "Herbar. Kitaibel Mus. nat. hung.". DALLA TORRE and HARMS' number: 1873, inventory number: "fasc. XXXIV. No. 19".

The specimens on the sheet, which was designated as the isolectotype, consist of five leafy stems three of them with catkins.

ORCHIDACEAE

Anacamptis pyramidalis (LINNAEUS) RICHARD var. *héveyana* JÁVORKA, 1937 (Figs 3, 6)

Lectotype – Protologue: JÁVORKA (1937: 119). On the original label with JÁVORKA's handwriting: "Anacamptis pyramidalis (L.) Rich. var Héveyana Jáv. var. nova" (Fig. 3).

Locus – Typewritten: "Dalmatia. Bocche di Cattaro. Mons Radostak, supra Zelenica, in calcareis infra pag. Zljebi." after with pen: "supra Sasoric" and typewritten: "alt. 500 m." (Fig. 3).

Data – "28. IV. 1934" typewritten: "S. Jávorka" and with pen: "et I. Hévey" (Fig. 3).

Collection – "Herbar. Musei Nat. Hungar. Budapest. Flora Hungarica". DALLA TORRE and HARMS' number: 1400, inventory number: 63977, collector's number: 151.

The specimens on the sheet, which was designated as the lectotype, consist of five leafy flowering plant, two of them with tubers (Fig. 6).

CYPERACEAE

Schoenoplectus supinus (LINNAEUS) PALLAS f. *diffusus* CSAPODY et JÁVORKA, 1954

Lectotype – Protologue: CSAPODY (1954: 251–252). On the original label with CSAPODY's handwriting with pen: " Schoenoplectus supinus (L.) Palla." and continue with JÁVORKA's handwriting, with pencil: "f. diffusa Csapody et Jáv., caule usque 5 dm. longo, immerso, inflorescentia diffusa, spiculis glomeratis, glomerulo uno-alterove longepedunculato, pedunculo 2–3 cm. longo."

Locus – With CSAPODY's handwriting, with pen: "Kőröstarcsa, rizs" [at Kőröstarcsa, on rice-field, in Hungary].

Data – With CSAPODY's handwriting: "1952. VIII. 23. leg.: Csapody Vera"

Someone wrote with pencil on the label: "Typus!" and "In BK. 1954, 45.p. 251" [the data of the protologue].

Collection – "Herbarium Musei Hist. Nat. Hung. Budapest Flora Hungarica". DALLA TORRE and HARMS' number: 468, inventory number: 208396.

The specimen on the sheet, which was designated as the lectotype, consists of a plant with leaves, stems, spikelets and roots.

First paratype – On the original label with CSAPODY's handwriting, with pen: "Schoenoplectus supinus (L.) Palla. f. diffusa Jáv. et Csap."

Locus – With CSAPODY's handwriting, with pen: "Szolnok, Palotási áll. gazd. rizs közt" [in Szolnok, "Palotásti" state farm, on rice-field, in Hungary].

Data – With CSAPODY's handwriting: "1953.IX.4. Csapody Vera".

Collection – "Herbarium Musei Nat. Hung. Budapest". DALLA TORRE and HARMS' number: 468, inventory number: 206839.

The specimen on the sheet, which was designated as the paratype, consists of a plant with leaves, stems, spikelets and roots.

Second paratype – The name of the taxon and the locus on the original label with CSAPODY's handwriting with pen is the same as the first paratype.

Data – With CSAPODY's handwriting: "1953.IX.8. Csapody Vera".

Collection – Someone wrote with pen: "Flora Hungarica" and continue with types: "Herbarium Musei Nat. Hung. Budapest" and crossed out: "Duplum". DALLA TORRE and HARMS' number: 468, inventory number: 208395.

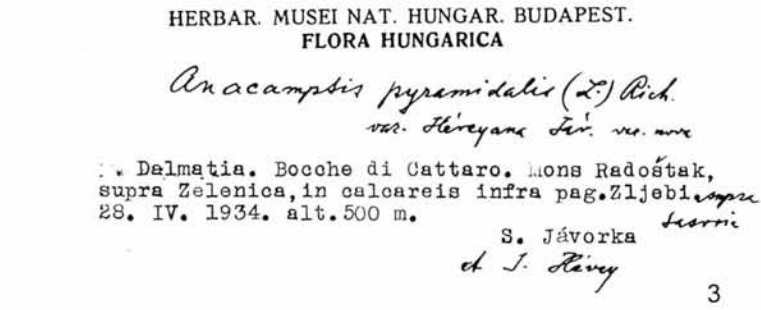
The specimen on the sheet, which was designated as the paratype, consists of a plant with leaves, stems, spikelets and roots.

Carex dacica HEUFFEL f. *basigyna* KÜMMERLE et JÁVORKA, 1926

Lectotype – Protologue: CSIKI *et al.* (1926: 335). On the original label with JÁVORKA's handwriting with pen: "Carex dacica Heuff. f. basigyna Kümm. et Jáv.".

Locus – Printed: "Montes Albaniae boreali-orientalis inter opp. Prizren et Debra jacentes: continue with KÜMMERLE's handwriting: "montes nivales Korab, ad rivulos declivium borealium cacuminis altissimi alterius supra pagum Radomir, sol. eruptiv.; altit. circ. 2300 m. s. m.".

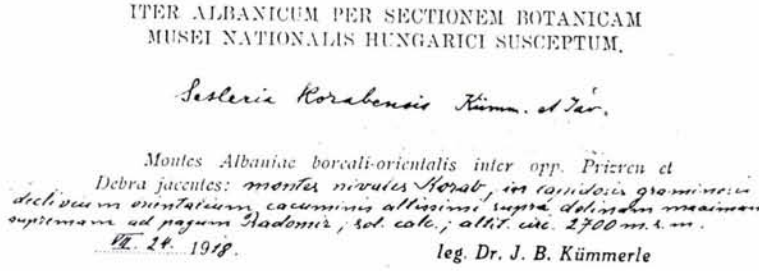
Data – With KÜMMERLE's handwriting: "VII. 25. 1918." Printed: "leg. Dr. J. B. Kümmerle"


HERBAR. MUSEI NAT. HUNGAR. BUDAPEST.
FLORA HUNGARICA

Anacamptis pyramidalis (L.) Rich.
var. héveyana Jáv. nov. var.

: Dalmatia. Bocche di Cattaro. Mons Radoštak, supra Zelenica, in calcareis infra pag. Zljebi supra Tessrii
28. IV. 1934. alt. 500 m.
S. Jávorka
et J. Hévey

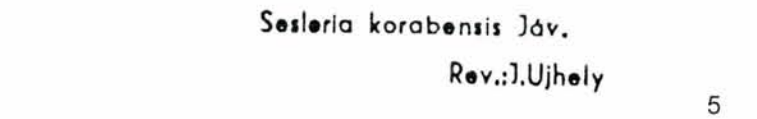
3


ITER ALBANICUM PER SECTIONEM BOTANICAM
MUSEI NATIONALIS HUNGARICI SUSCEPTUM.

Sesleria Korabensis Kümm. et Jáv.

Montes Albaniae boreali-orientalis inter opp. Prizren et
Debra jacentes: montes nivales Korab, in ramulosis gramineis
declivium orientalium cacuminis altissimi supra dolinam maximam
superiorem ad pagum Radomir, sol. calc.; altit. circ. 2700 m. s. m.
VII. 24. 1918. leg. Dr. J. B. Kümmerle

4


Sesleria korabensis Jáv.

Rev.: J. Ujhelyi

5

Figs 3–5. 3: the original label of *Anacamptis pyramidalis* (LINNAEUS) RICHARD var. *héveyana* JÁVORKA. 4: the original label of *Sesleria coerulans* FRIVALDSZKY f. *korabensis* KÜMMERLE et JÁVORKA. 5: the revision label of J. UJHELYI.

Fig. 6. *Anacamptis pyramidalis* (LINNAEUS) RICHARD var. *héveyana* JÁVORKA, lectotype

Collection – "Iter Albanicum Per Sectionem Botanicam Musei Nationalis Hungarici Susceptum". DALLA TORRE and HARMS' number: 525, inventory number: 38448, collector's number: 91.

The specimens on the sheet, which was designated as the lectotype, consist of six plants with leaves, stems, spikelets and roots.

First isolectotype – On the original label with JÁVORKA's handwriting: "Carex dacica Heuff. (sed utriculis costati, vix 2 mm. longi)".

Locus – Printed: "Montes Albaniae boreali-orientalis inter opp. Prizren et Debra jacentes:", continue with KÜMMERLE's handwriting: "montes nivales Korab, in turfosis declivium orientalium in cacumine aliquo ad limites Macedoniae supra pagum Zuzen; altit. circ. 2400 m. s. m.".

Data – With KÜMMERLE's handwriting: "VII. 27. 1918", printed: "leg. Dr. J. B. Kümmerle"

On the author's label: "Carex dacica Heuff. f. basigyna Kümm. et Jáv. Isolectotype. 10.1999. D. Kováts".

Collection – Same as lectotype. DALLA TORRE and HARMS' number: 525, inventory number: 38447, collector's number: 91.

The specimens on the sheet, which was designated as the isolectotype, consist of five plants with leaves, stems, spikelets and roots.

Second isolectotype – On the original label with JÁVORKA's handwriting: "Carex dacica Heuff. (utriculis costatis)".

Locus – Printed: "Montes Albaniae boreali-orientalis inter opp. Prizren et Debra jacentes:" continue with KÜMMERLE's handwriting: "montes nivale Korab, in turfosis dolinae maximae supremae sub cacumine altissimo altero supra pagum Radomir, sol. calc.; altit. circ. 2000 m. s. m.".

Data – With KÜMMERLE's handwriting: "VII. 25. 1918.", printed: "leg. Dr. J. B. Kümmerle".

On the author's label: "Carex dacica Heuff. f. basigyna Kümm. et Jáv. Isolectotype. 10. 1999. D. Kováts".

Collection – Same as lectotype. DALLA TORRE and HARMS' number: 525, inventory number: 38446, collector's number: 91.

The specimens on the sheet, which was designated as the isolectotype, consist of four plants with leaves, stems, spikelets and roots.

POACEAE (GRAMINEAE)

Sesleria coerulans FRIVALDSZKY f. *korabensis* KÜMMERLE et JÁVORKA, 1926 (Figs 4–5, 7)

Lectotype – Protologue: CSIKI *et al.* (1926: 340–41). On the original label with JÁVORKA's handwriting, with pen: "Sesleria korabensis Kümm. et Jáv." continue with pencil: "vel f. tantum S. coerulantis Friv. paleis densis crispule villosis forma spicae ad S. comosum Vel. vergente" (Fig. 4).

Locus – Printed: "Montes Albaniae boreali-orientalis inter opp. Prizren et Debra jacentes:" continue with KÜMMERLE's handwriting: "montes nivales Korab, in lapidosis graminosis declivium orientalium cacuminis altissimi supra dolinam maximam supremam ad pagum Radomir, sol. calc..; altit. circ. 2700 m. s. m." (Fig. 4).

Data – With KÜMMERLE's handwriting: "VII. 24. 1918", printed: "leg. J. B. Kümmerle" (Fig. 4).
On UJHELYI's label: "Sesleria korabensis Jáv. Rev.: J. Ujhelyi" (Fig. 5).

Collection – "Iter Albanicum Per Sectionem Botanicam Musei Nationalis Hungarici Susceptum". DALLA TORRE and HARMS' number: 324, inventory number: 733798, collector's number: 91.

The specimens on the sheet, which was designated as the lectotype, consist of a tuft of Sesleria with leaves, three culms, three panicles, roots and two separated culms with leaves, two panicles and roots. On the sheet is a photo from the epidermis of leaf made by "J. Ujhelyi" and three paper bag with spikelets, 1.: "spicula S. coerulantis Friv. (paleis longis cristati) + spicula S. Bielzii Schur (paleis ? cristati), 2.: "spicula S. korabensis", 3.: "J. Ujh." and two labels with numbers: "24" and "26" which are the note-book numbers of J: UJHELYI (Fig. 7).

Paratype – On the original label with JÁVORKA's handwriting with pen: "Sesleria Korabensis Kümm. et Jáv." continue with pencil: "vel f. tantum S. coerulantis Friv.!".

Locus – Printed:"Montes Albaniae boreali-orientalis inter opp. Prizren et Debra jacentes:" continue with KÜMMERLE's handwriring: "montes nivales Galica Lums, in lapidosis graminosis cacuminis altissimi supra pagum Bicaj; sol. calc.; altit. circ. 2500 m. s. m.".

Data – With KÜMMERLE's handwriting: "VII. 14. 1918", printed: "leg. Dr. J. B. Kümmerle".
On UJHELYI's label: "Sesleria korabensis Jáv. Rev.: J. Ujhelyi".

Collection – Same as lectotype. DALLA TORRE and HARMS' number: 324, inventory number: 733797, collector's number: 91.

The specimens on the sheet, which was designated as the paratype, consist of three leafy plants, only one of them has culm and a panicle.

Trisetum albanicum JÁVORKA, 1919

Lectotype – Protologue: JÁVORKA (1919: 1–2). On the original label, with JÁVORKA's handwriting: "Trisetum albanicum Jáv.".

Locus – Printed: "Montes Albaniae borealis versus opp. Djakova extensi:" continue with JÁVORKA's handwriting: "M. Hekurave, in herbosis cacuminis Stüla Gris supre poag. Bunjaj, alt. 1800 m.".

Data – With JÁVORKA's handwriting: "24. Aug. 1918.", printed: "leg. Dr. S. Jávorka".

Collection – "Iter Albanicum Per Sectionem Botanicam Musei Nationalis Hungarici Susceptum. duplum. Herbarium Dr. Árpád de Degen". DALLA TORRE and HARMS' number: 271, inventory number: 471777.

The specimens on the sheet, which was designated as the lectotype, consist of two plants, one of them has leaves, culm, panicle and roots, the other has only leaves.

Festuca violacea GAUDIN var. *korabensis* JÁVORKA ex MARKGRAF-DANNENBERG, 1973 (Figs 8–11)

Holotype – According to I. MARKGRAF-DANNENBERG in the protologue and M. A. SIGNORINI on the herbarium label – Protologue: MARKGRAF-DANNENBERG (1973: 81–83). On the original

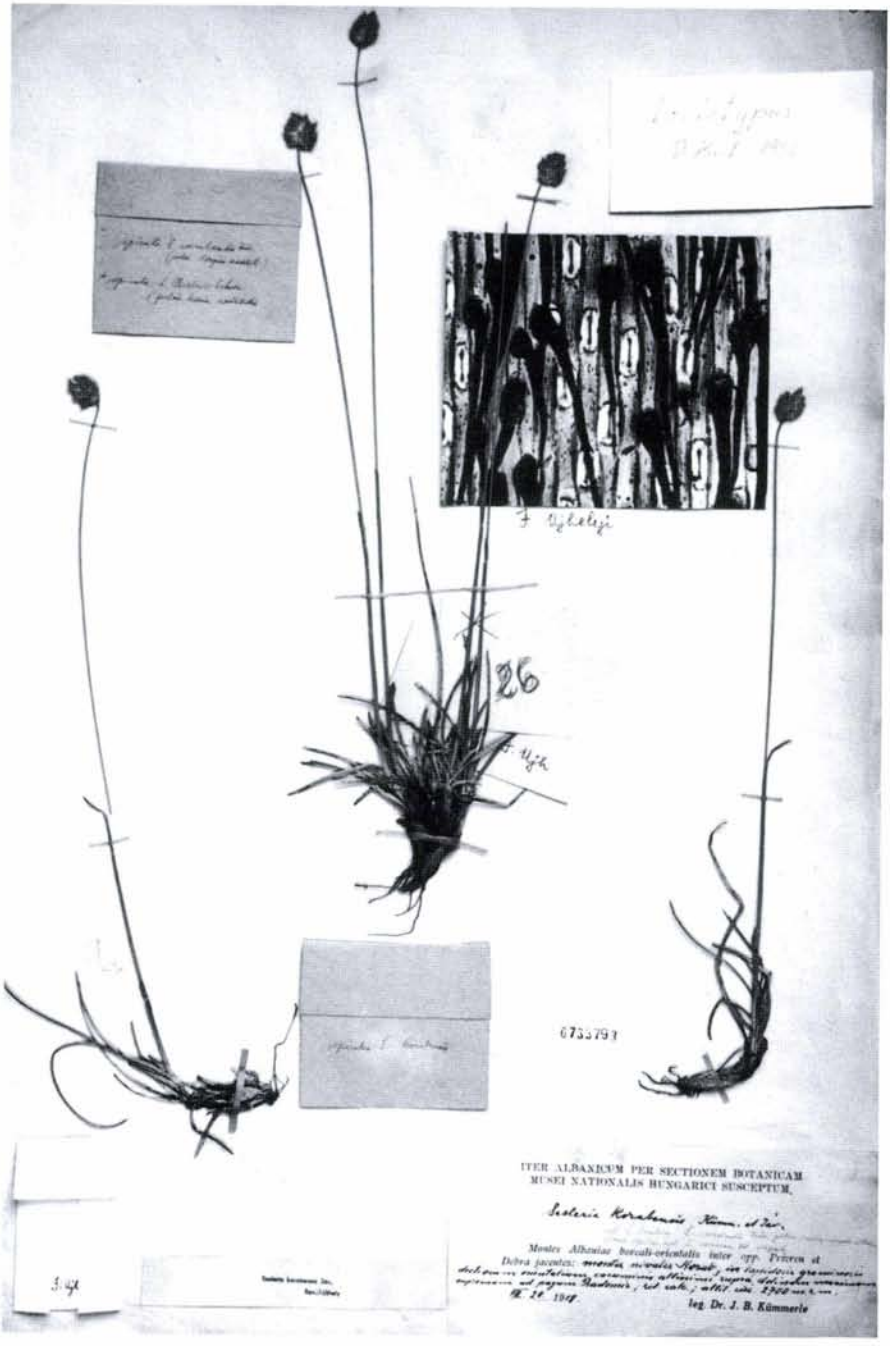


Fig. 7. *Sesleria coerulans* FRIVALDSZKY f. *korabensis* KÜMMERLE et JÁVORKA, lectotype

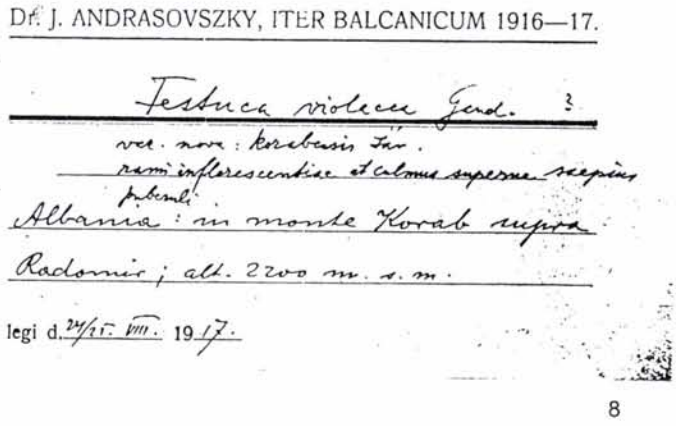
label with JÁVORKA's handwriting: "Festuca violacea Gaud. ? var. nova: korabensis Jáv. rami inflorescentiae et culmis superne sacpius puberuli" (Fig. 8).

Locus – Probably with ANDRASOVSZKY's handwriting: "Albania: in monte Korab supra Radomir; alt. 2200 m. s. m." (Fig. 8).

Data – Probably with ANDRASOVSZKY's handwriting: "legi d. 24/25. VIII. 1917" (Fig. 8).

On MARKGRAF-DANNENBERG's label: "Festuca violacea Gaud. var. korabensis Jáv. ex Mgf-Dbg. VIII. 73. det. I. MARKGRAF-DANNENBERG." (Fig. 9).

On SIGNORINI's label: "HOLOTYPUS Festuca violacea Gaudin var. korabensis Jáv. ex Markgraf-Dannenb. Glasn. Zem. Muz. Bosni i Herceg. n. s. 11/12, 81. Determinavit M. Adele Signorini 20/8/97" and her signature (Fig. 10).



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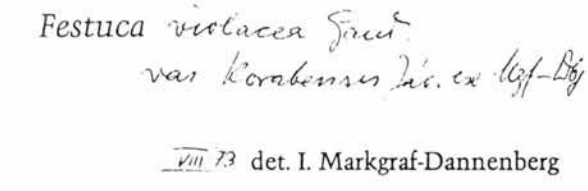

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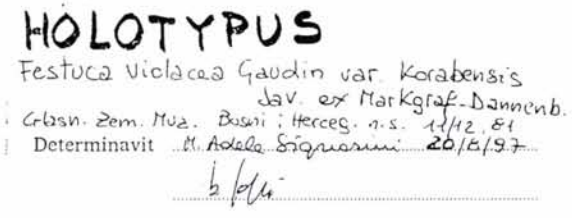

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Figs 8–10. 8: the original label of *Festuca violacea* GAUDIN var. *korabensis* JÁVORKA ex MARKGRAF-DANNENBERG. 9: The label of I. MARKGRAF-DANNENBERG. 10: the holotype label of M. A. SIGNORINI.

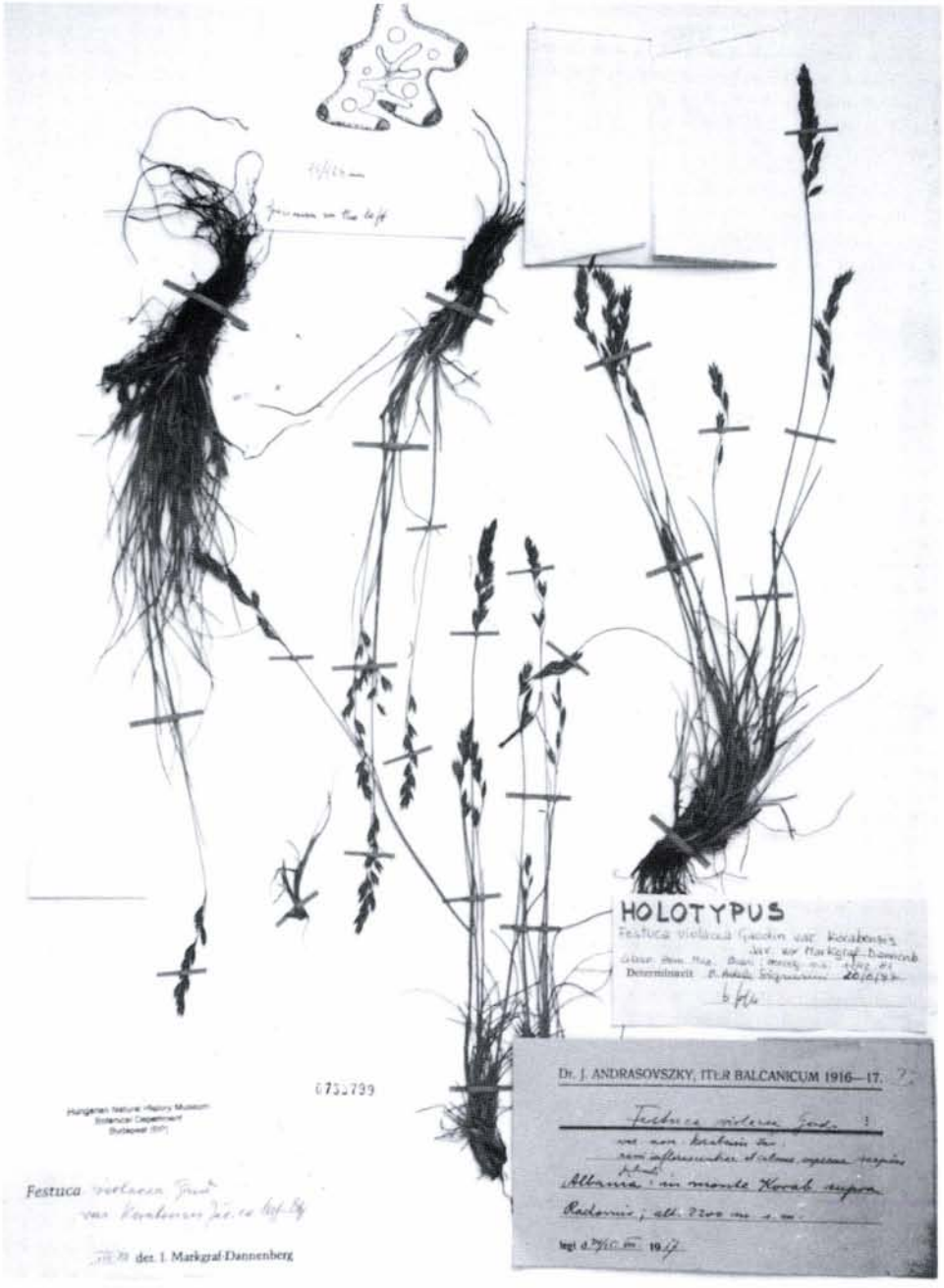

Fig. 11. *Festuca violacea* GAUDIN var. *korabensis* JÁVORKA ex MARKGRAF-DANNENBERG, holotype

Collection – "Dr. J. Andrasovszky, Iter Balcanicum 1916–17. I.". On the stamp: "Hungarian Natural History Museum Botanical Department Budapest (BP). DALLA TORRE and HARMS' number: 385, inventory number: 733799.

The specimens on the sheet, which was designated as the holotype, consist of five tufts of *Festuca* with leaves, culms, spikelets and roots and a separated culm with spikelet and few leaves. In a small paper bag are pieces of spikelets. On the sheet is a sketch of the cross section of the leaf from the "specimen on the left" and a paper bag with three small papers with the measurements of the plants on the sheet (Fig. 11).

Isotype – On the original label, most probably with JÁVORKA's handwriting: "Festuca violacea Gaud ? var. nova: korabensis Jáv.".

Locus – Probably with ANDRASOVSZKY's handwriting: "Albania: in monte Korab supra Radomir; alt. ca. 2200 m. s. m.".

Data – Probably with ANDRASOVSZKY's handwriting: "legi d. 24/25. VIII. 1917".

On MARKGRAF-DANNENBERG's label: "Festuca violacea Gaud. var. korabensis Jáv. ex Mgf-Dgb. VIII. 73. det. I. Markgraf-Dannenberg".

Collection – "Dr. J. Andrasovszky, Iter Balcanicum 1916–17. II.". On the stamp: "Hungarian Natural History Museum Botanical Department Budapest (BP)". DALLA TORRE and HARMS' number: 385, inventory number: 733800.

The specimens on the sheet, which was designated as the isotype, consist of four tufts of *Festuca* with leaves, culms, spikelets and roots and two separated culms with leaves, spikelets and few roots.

* * *

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