

Material of type character in the Münch-Bellinghausen collection in the Moravian Museum, Brno (BRNM).**2. Franz de Paula Adam von Waldstein and Pál Kitaibel**

KAREL SUTORÝ

*Moravian Museum, Department of Botany, Hviezdoslavova 29a,
627 00 Brno, Czech Republic; e-mail: ksutory@mzm.cz*

SUTORÝ K. 2000: Material of type character in the Münch-Bellinghausen collection in the Moravian Museum, Brno (BRNM). 2. Franz de Paula Adam von Waldstein and Pál Kitaibel. *Acta Musei Moraviae, Scientiae biologicae* (Brno) **85**: 381–386. – 29 of Waldstein's and Kitaibel's duplicate specimens of higher plants deposited in the Moravian Museum in Brno (BRNM) are listed.

Key words: Botany, Franz de Paula Adam von Waldstein, Pál Kitaibel, Tracheophyta, collection, Moravian Museum

The Münch-Bellinghausen collection contains a number of original specimens collected by various botanists in the first four decades of the nineteenth century (SUTORÝ 1986). The presented contribution is the second in a planned series following the evaluation of the specimens of W. Besser (SUTORÝ & BUZUNOVA, in press).

Franz de Paula Adam von Waldstein and Pál Kitaibel

Waldstein's (1759–1823) and Kitaibel's (1757–1817) original material (214 specimens of described taxa including 92 lectotypes) is deposited in National Museum in Budapest (BP) (KOVÁTS 1975, KOVÁTS 1992). A smaller collection (135 specimens of described taxa including 131 lectotypes) is in Prague (PR) (CHRTEK & SKOČDOPOLOVÁ 1982). The material deposited in BRNM, 29 specimens in all, is of duplicate character. It was obtained, probably purchased, in the years 1808–1809. Eight specimens have no indication of the date of acquisition. The original labels are not preserved; their rewritten forms are cited below. In many cases, the name of Kitaibel is incorrectly written as "Kiteibl". There is only one small original Kitaibel paper strip, accompanying the specimen of *Betonica elongata*. The specimens contain only one plant, sometimes supplemented by fragments. Three specimens are not clearly designated, which means that there are more plants from different collectors on the sheet that cannot be unambiguously linked to the collectors and localities.

The data on valid names and lectotypes were taken from KOVÁTS (1975, 1992) and CHRTEK & SKOČDOPOLOVÁ (1982).

List of specimens

***Alyssum tortuosum* WALDST. & KIT.** 1802, Icon. Pl. Rar. 1: 94, t. 91, [= *A. tortuosum* WALDST. & KIT ex WILLD. 1800].

Text of the label: "1808 Aus Ungarn von Gr. Waldstein."

Acquired 1808.

Lectotypus: PR 502369/795.

***Arenaria pendula* WALDST. & KIT.** 1801, Icon. Pl. Rar. 1: 90, t. 87 [= *Moehringia pendula* (W.& K.) FENZL].

Text of the label: "In rupibus Banatus von Kiteibel."

No date of acquisition indicated.

Lectotypus: PR 155738/710 a.

***Artemisia scoparia* WALDST. & KIT.** 1801, Icon. Pl. Rar. 1: 66, t. 65.

Text of the label: "Wald. Kit. Tab. 65."

Note: Three plants from different sources (1. Rochel 2. Münch-Bellinghausen 3. Waldstein and Kitaibel) on the sheet, without distinguishing labels.

No date of acquisition indicated, ? ex.

Lectotypus: PR 495745/716 a.

Note: Name in common current use.

***Campanula spathulata* WALDST. & KIT.** 1809, Icon. Pl. Rar. 2: 286, t. 258, nom. illeg. non SIBTH. & SM. 1806, Fl. Graec. Prodr. 1: 137 [= *C. divergens* W. & K. ex WILLD.].

Text of the label: "In rupibus calcar. Banatus Tab. 252"

Acquired 1809.

Lectotypus: BP VIII No.244.

***Camphorosma ovata* WALDST. & KIT.** 1801, Icon. Pl. Rar. 1: 64, t. 63 [= *C. annua* PALLAS].

Text of the label: "Von Kiteibl 1809 mit dem Baysatze In salsis steriliformis Hungar. Tab.63."

Acquired 1809.

Lectotypus: PR 155748/742 b.

***Cerastium ciliatum* WALDST. & KIT.** 1807, Icon. Pl. Rar. 3: 250, t. 225.

Text of the label: "In subalpinis Croatiae. Tab 225."

Acquired 1809.

Lectotypus: PR 502340/744.

Note: Name in common current use.

***Dianthus serotinus* WALDST. & KIT.** 1804, Icon. Pl. Rar. 2: 188, t. 172.

Text of the label: "Von Gr. Waldstein."

No date of acquisition indicated.

Lectotypus: PR 495855/739.

Note: Name in common current use.

***Galium infestum* WALDST. & KIT.** 1805, Icon. Pl. Rar. 3: 224, t. 202 [= *Galium spurium* L., *Galium spurium* subsp. *infestum* (WALDST. & KIT) JANCHEN].

Text of the label: "1809 von Kiteibl. Icon. 202."

Acquired 1809.

Lectotypus: BP VII No.148.

***Genista ovata* WALDST. & KIT.** 1801, Icon. Pl. Rar. 1: 86, t. 84.

Text of the label: "1808 Aus Ungarn von Gr. Waldstein."

Acquired 1808.

Lectotypus: PR 155808/777.

Note: Name in common current use.

***Hedysarum album* WALDST. & KIT.** 1802, Icon. Pl. Rar. 2: 115, t. 111 [= *Onobrychis alba* (W. & K.) DESV.].

Text of the label: "1808. aus Ungarn von Gr. Waldstein."

Acquired 1808.

Lectotypus: PR 155804/10057.

***Hieracium lanatum* WALDST. & KIT.** 1802, Icon. Pl. Rar. 2: 135, t. 127, nom. illeg. non VILL. 1779, Prosp. 35 [= *H. waldsteinii* TAUSCH].

Text of the label: "1808 aus Ungarn von Gr. Waldstein."

Acquired 1808.

Lectotypus: BP XXVI. No.239.

Note: Index Kewensis cites this name with author's combinations WALDST. & KIT. ex WILLD. 1803, Sp. Pl. 3: 1586.

***Onosma stellulata* WALDST. & KIT.** 1804, Icon. Pl. Rar. 2: 189, t. 173.

Text of the label: "Von Prof. Kiteibl mit der Anmerkung ad rupes in sylvis Croatiae Tab 173."

Acquired 1809.

Lectotypus: BP VIII. No. 72.

Note: Further detailed study of this group is needed.

***Plantago tenuiflora* WALDST. & KIT.** 1800, Icon. Pl. Rar. 1: 37, t. 39

Text of the label: "In salsis Hungar. Tab.39 von Kiteibel 1809."

Acquired 1809, only the inflorescence.

Lectotypus: PR 254051/10214.

Note: Name in common current use.

Polygonum arenarium WALDST. & KIT. 1801, Icon. Pl. Rar. 1: 69, t. 67.

Text of the label: "*Von Kiteibl aus Ungarn.*"

No date of acquisition indicated.

Lectotypus: PR 155783/1329 b.

Note: Name in common current use.

Poterium polygamum WALDST. & KIT. 1804, Icon. Pl. Rar. 2: 217, t. 198.

Text of the label: "*Aus Ungarn Wald. Tab. 198.*"

No date of acquisition indicated, the specimen is probably missing, or only two leaves remain? Not clearly designated.

Lectotypus: PR 155782/765.

Note: Plants were not identified.

Rosa reversa WALDST. & KIT. 1810, Icon. Pl. Rar. 3: 293, t. 264 [= *R. pendulina* x *spinosissima*].

Text of the label: "*In Matrae montibus in Hungaria a Kiteibelio a 1809 transmissa.*"

Acquired 1809.

Lectotypus: BP, No. 173912 in Herbarium Wolnyanum.

Rubus hirtus WALDST. & KIT. 1803, Icon. Pl. Rar. 2: 150, t. 141.

Text of the label: "*Locis Hung. Croatiae et Slavon. Tab. 141.*"

Acquired 1809, 1 ex. + leaf.

Lectotypus: BP XX. No. 64.

Note: Name in common current use.

Salsola arenaria WALDST. & KIT. 1801, Icon. Pl. Rar. 1: 80, t. 78 [= *Kochia laniflora* (GMELIN) BORBÁS].

Text of the label: "*Aus Ungarn von Kiteibl.*"

No date of acquisition indicated.

Lectotypus: PR 155830/940 b.

Salsola cinerea WALDST. & KIT. 1802, Icon. Pl. Rar. 2: 110, t. 106 [= *Bassia sedoides* (PALLAS) ASCHERS].

Text of the label: "*1809 von prof. Kiteibl in apricis siccis Hung. Tab. 106.*"

Acquired 1809.

Lectotypus: BP X No.18.

Scabiosa agrestis WALDST. & KIT. 1805, Icon. Pl. Rar. 2: 226, t. 204 [= *S. triandra* L. Sp. Pl. 99].

Text of the label: "*In Croatia et Hungaria Tab, 204.*"

Acquired 1809.

Lectotypus: PR 155774/758 b.

***Scabiosa stricta* WALDST. & KIT.** 1803, Icon. Pl. Rar. 2: 147, t. 138 [= *S. lucida* subsp. *stricta* (WALDST. & KIT.) JASIEWICZ].

Text of the label: "In alpinis Croatiae Tab. 138."

Acquired 1809.

Lectotypus: BP VII. No. 28.

***Sedum glaucum* WALDST. & KIT.** 1804, Icon. Pl. Rar. 2: 198, t. 181 [= *S. hispanicum* L.].

Text of the label: "In arenosis et saxosis Hungar. atque Croatiae. Tab. 181."

Acquired 1809, 1 ex of two not designated.

Lectotypus: PR 376407/3247 a.

***Seseli gracile* WALDST. & KIT.** 1802, Icon. Pl. Rar. 2: 122, t. 117.

Text of the label: "In rupibus calcareis Bannatus. Tab. 114."

Acquired 1809.

Lectotypus: PR 155828/939 a.

Note: Name in common current use.

***Silene infracta* WALDST. & KIT.** 1806, Icon. Pl. Rar. 3: 237, t. 213 [= *S. nutans* subsp. *nutans*. var. *glabra* DC.].

Text of the label: "Von Prof. Kiteibl In Scepusio Tab. 213."

Acquired 1809.

Lectotypus: BP XLVIII No.106.

***Silene pusilla* WALDST. & KIT.** 1806, Icon. Pl. Rar. 3: 235, t. 212.

Text of the label: "In fissuris rupium in alp. Croatiae Tab. 212."

Acquired 1809, 1 ex. + fragment.

Lectotypus: BP XLVIII No.237.

Note: Sometimes addressed under other generic names [*Heliosperma pusillum* (WALDST. & KIT.) VIS., *Ixoca pusilla* (WALDST. & KIT.) SOJÁK].

***Symphytum cordatum* WALDST. & KIT.** 1799, Icon. Pl. Rar. 1: 6, t. 7 [= *Symphytum cordatum* WALDST. & KIT. ex WILLD.].

Text of the label: "Von Prof. Kiteibl e sylvis Hung."

Acquired without given date, only one leaf.

Lectotypus: BP VIII. No. 52.

***Viola declinata* WALDST. & KIT.** 1807, Icon. Pl. Rar. 3: 248, t. 223.

Text of the label: "In alp. Hung. or. /?/."

Acquired 1809, 1 ex.

Lectotypus: BP IX No.207.

Note: Name in common current use.

K. SUTORÝ

Unpublished names

***Arenaria semiteres* WALDST. & KIT.** in sched.

Text of the label written by Münch-Bellinghausen: "Von Graf Waldstein aus Ungarn."

No date of acquisition indicated.

Note: No published name? Not mentioned in Index Kewensis.

***Betonica elongata* WALDST. & KIT.** in sched.

Text of the label: "Von Gr. Waldstein aus Wald."

Original Kiteibels hand-written label: "*Betonica elongata* N. Sp."

No date of acquisition indicated.

Note: No published name? Not *B. elongata* WILLD. ex STEUD. 1841, Nom. ed.2, 1: 200?

References

- CHRTEK J. & SKOČDOPOLOVÁ B. 1982: Waldstein's collection in herbarium of the National Museum in Prague. *Sborník Národního Muzea v Praze* **38B(4)**: 201–238.
- KOVÁTS D. 1975: Boraginaceae type specimens of Herbarium Carpato-Pannonicum. *Studia Botanica Hungarica* (Budapest) **10**: 123–133.
- KOVÁTS D. 1992: Waldstein and Kitaibel types in the Hungarian Natural History Museum in Budapest. *Annales Historico-Naturales Musei Nationalis Hungarici* **84**: 33–53.
- SUTORÝ K. 1986: Konstantin Karl Münch-Bellinghausen's collection in the Moravian Museum. *Acta Musei Moraviae, Scientiae Naturales* (Brno) **71**: 131–134.
- SUTORÝ K. & BUZUNOVA I. O. in press: Material of type character in the Münch-Bellinghausen's collection in the Moravian museum in Brno (BRNM). 1. Wilibald Swibert Joseph Gottlieb Besser. *Acta Musei Moraviae, Scientiae Biologicae* (Brno) **85** (2000): 365–379.