ISSN 1211-8788 *Acta Musei Moraviae, Scientiae biologicae* (Brno)
93: 169–184, 2008

Material of type character in the Münch-Bellinghausen collection in the Moravian Museum, Brno (BRNM) 7. Philipp Gottfried Gaertner, Bernhard Meyer, Johannes Scherbius

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SUTORÝ K. 2009: Material of type character in the Münch-Bellinghausen collection in the Moravian Museum, Brno (BRNM). 7. Philipp Gottfried Gaertner, Bernhard Meyer, Johannes Scherbius. *Acta Musei Moraviae, Scientiae biologicae* (Brno) **93:** 169–184. – There are specimens from the "Wetterauische Flora" exsiccate collection made by P. G. Gaertner, B. Meyer and J. Scherbius in the Münch-Bellinghausen collection. An overview of the vascular plants is listed and some names and specimens are briefly commented upon.

Key words. Moravian Museum, Department of Botany, Münch-Bellinghausen collection, P. G. Gaertner, B. Meyer, J. Scherbius, Flora der Wetterau

Introduction

Following the work of W. Besser, F. Waldstein, P. Kiteibel, D. H. Hoppe, A. Rochel, K. B. Presl and P. Salzmann, the contribution herewith is the eighth in a series evaluating the material gathered by outstanding collectors in the Münch-Bellinghausen collection (SUTORÝ 1986).

P. G. Gaertner (1754–1825), a German apothecary in Hanau, B. Meyer (1767–1836) a botanist, ornithologist and practising physician in Hanau and Offenbach, and J. Scherbius (1769–1813) a German botanist and physician, published "Oekonomisch-technische Flora der Wetterau" on the following dates (STAFLEU & COWAN 1976):

Vol.1:	1799, June, July
Vol. 2:	1800, 4 May
Vol. 3, (1):	1801, January–July
Vol. 3, (2):	1802, July–December

The circumstances in which this work originated, as well as those of the exsiccate collection known similarly as "Wetterauische Flora", are described in BAUMANN (1999). The latter was issued in order to facilitate botanical study ("*...zur Erleichterung des botanischen Studiums...*" GAERTNER, MEYER & SCHERBIUS (1802) – see the unpaginated leaf between text and index). Some 41 specimens of vascular plants have been selected and are presented with comments in alphabetical order in the following list. Three unpublished names are added. Two of names presented (combinations) are in current use – *Petasites hybridus* (L.) P. Gaertn., Mey. et Scherb. and *Moenchia erecta* (L.) P. Gaertn., Mey. et Scherb. One was combined with a name in use – *Senecio ovatus* (P. Gaertn., Mey. et Scherb.) Willd. Some of the names not occurring in the studied collection but omitted or not correctly cited in Index Kewensis or Index Filicum are presented in a separate section.

Thanks to the kind help of colleagues from the herbarium in the Senckenberg Research Institute and to the list published by Baumann (1999), duplicates of the "Wetterauische Flora" collection in the Senckenberg collection in (FR) are known. The table in the appendix gives an overview of all specimens occurring in BRNM and missing in FR. The form of the table is the same as in Baumann (1999).

The labels (see Sutorý 1986) are squares about 8×8 cm, hand-written with the inscription "Weterauische Flora". The irregular cutting of some labels indicates that they have not maintained their original shapes. The plants were originally set in a folder with the inscription in its front part. This inscription was later cut out. Preserved in this original shape in our collection are specimens of *Lathyrus sylvestris* (exsiccate number 906), *Trifolium repens* (no 927), *Trifolium flexuosum* (no 932), *Trifolium fragiferum* (no 935), *Sium angustifolium* (no 376), *Apium graveolens* (no 366) and *Conium maculatum* (no 356). The numbering of the exsiccate relates to the numbering of individual species in "Flora der Wetterau".

Notes on selected specimens of vascular plants
(new names, combinations, omissions in Index Kewensis, etc.)

Baeumerta nasturtium (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 467, 1800

(= *Nasturtium officinale* R. Br.)

Exsiccate no 854, number of items: 1 ex. Bas.: *Sysimbrium nasturtium* L.

Notes. *Nasturtium* R. Br. 1812 is nomen conservandum. Use of the older generic name *Baeumerta* P. Gaertn., Mey. et Scherb,. 1800 is not possible. Cf. Art. 14.1 of ICBN (McNeill *et al*. 2006).

Baldingera colorata P. Gaertn., Mey. et Scherb., *Fl. Wett.* **1:** 96, 1799, nom. illeg.

(= *Phalaris arundinacea* L., *Baldingera arundinacea* (L.) Dumort.)

Exsiccate no 99, number of items: 1 ex.

Nom. subst.: *Phalaris arundinacea* L.

Notes. Cf. Art. 11.4. of ICBN (McNeill *et al*. 2006).

Bifolium cordatum P. Gaertn., Mey. et Scherb., *Fl. Wett.* **1:** 209, 1799, nom. illeg.

(= *Maianthemum bifolium* (L.) F. W. Schmidt)

Exsiccate no 217, number of items: 1 ex.

Nom. subst.: *Convallaria bifolia* L.

Notes. The generic name *Bifolium* P. Gaertn. Mey. et Scherb., 1799 is illegitimate because of the existence of the older homonym *Bifolium* Petiver, 1764 (Orchidaceae) and

superfluous because of the existence of the older generic synonym *Maianthemum* Weber G. H. in Wigg., 1780. The combination *Bifolium cordatum* P. Gaertn., Mey. et Scherb. 1799 is also illegitimate. The name *Bifolium cordatum* Nieuw. (Amer. Midl. Nat. 3: 129, 1913) is a synonym of *Listera cordata* R. Br. in Ait.

Borckhausenia cava (Schweigg. et Koerte) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3:** 17, 1801, nom. illeg.

(= *Corydalis cava* Schweigg. et Koerte)

Exsiccate no 893, number of items: 1 ex.

Nom. subst.: *Fumaria bulbosa* α L.

Notes. The generic name *Borckahausenia* P. Gaertn., Mey. et Scherb. and all its combinations are illegitimate because of the existence of the older name *Borckhausenia* Roth., 1800 (Scrophulariaceae). The name *Corydalis* DC. in Lamck. et DC.,1805 is nomen conservandum and the use of the older generic name *Borckhausenia* P. Gaertn., Mey. et Scherb., 1801 is not possible, Cf. Art. 14.1. of ICBN (McNeill *et al*. 2006).

Borckhausenia solida (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3:** 18, 1801 nom. illeg.

(= *Corydalis solida* (L.) Clairv.)

Exsiccate no 894, number of items: 2 ex.

Nom. subst.: *Fumaria bulbosa* γ L.

Notes. See note above.

Bromus montanus P. Gaertn., Mey. et Scherb., *Fl. Wett.* **1:** 134, 1799, nom. illeg. non Scop. (1760), *Fl. Carn.*, ed. 2, 1: 82.

(= *Bromus erectus* Huds.)

Exsiccate no 147, number of items: problematical categorisation: one plant, two labels.

Carex paludosa Curt. ex P. Gaertn., Mey. et Scherb., *Fl. Wett* **3,1:** 335, 1801 nom. illeg. non Good. (1794), *Trans. Linn. Soc.* **2:** 202.

(= *Carex acutiformis* Ehrh.)

Exsiccate no 1150, number of items: 1 ex. Bas.: *Carex acutiformis* Ehrh., *C. acuta* Curt.

Notes. Good is given as author on the label. The name of Curtis in publication might be in error. The authors consider this name as "*sensu* Goodenough". Curtis later used this name in his *Flora Londinensis* in 1821.

Caroli-Gmelina palustris (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 470, 1800

(= *Rorippa palustris* (L.) Besser)

Exsiccate no 856, number of items: 2 ex. Bas.: *Sisymbrium amphibium palustre* L.

Notes. The generic name *Rorippa* Scop., 1760 emend. Reichenbach, 1837 is older than *Caroli-Gmelina* P. Gaertn., Mey. et Scherb., 1800 and should therefore be used. Duplicate is missing from FR.

Caroli-Gmelina sylvestris (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 470, 1800

(= *Rorippa sylvestris* (L.) Besser)

Exsiccate no 857, number of items: 1 ex. Bas.: *Sisymbrium sylvestre* L.

Notes. See note above.

Cerasus acida P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 185, 1800 nom. illeg. non Borckh. in Roem. (1796–98), *Arch*. **1,2:** 38

(= *Cerasus vulgaris* Mill.)

Exsiccate no 622, number of items: 2 ex. Bas.: *Prunus Cerasus austera* et *aproniana* L. is cited in protologue

Cyanus jacea (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 172, 1801

(= *Jacea pratensis* Lam., *Centaurea jacea* L.)

Exsiccate no 1011, number of items: 1 ex. Bas.: *Centaurea jacea* L.

Notes. Duplicate is missing from FR.

Cyanus phrygius (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 173, 1801

(= *Jacea phrygia* (L.) Soják, *Centaurea phrygia* L.)

Exsiccate no 1012, number of items: 1 ex. + fragment Bas.: *Centaurea phrygia* L.

Notes. Duplicate is missing from FR.

Cymbalaria elatine (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 398, 1800

(= *Kickxia elatine* (L.) Dumort.)

Exsiccate no 799, number of items: 1 ex. Bas.: *Antirrhinum elatine* L.

Cymbalaria spuria (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 398, 1800

(= *Kickxia spuria* (L.) Dumort.)

Exsiccate no 800, number of items: 1 ex. Bas.: *Antirrhinum spurium* L.

Eruca erucastrum (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 458, 1800

(= *Erucastrum nasturtiifolium* (Poiret) O. E.Schulz)

Exsiccate no 843, number of items: 2 ex. Bas.: *Brassica erucastrum* L.

Notes. It is not possible to use the name *Brassica errucastrum* L. 1753 under the generic name *Erucastrum* C. Presl 1826 because of tautonymy. The name *Sinapis nasturtiifolia* Poiret in Lam. 1797 must be used. The name under discussion would be valid in the genus *Eruca* Mill. 1754 emend. Adans. 1763

Eruca muralis P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 459, 1800

(= *Diplotaxis tenuifolia* (L.) DC)

Exsiccate no 844, number of items: 2 ex.

Nom. subst.: *Sysimbrium tenuifolium* L. et Poll.

Erysimum strictum P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 451, 1800

(= *E. virgatum* Roth)

Exsiccate no 836, number of items: 1 ex.

Nom. subst.: *Erysimum hieracifolium* Reich.

Galeobdolon luteum P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 362, 1800 nom. illeg. non HUDS. (1798), *Fl. Angl.* ed. 2, 1: 258

(= *Lamiastrum galeobdolon* (L.)Ehrend. et Polatschek)

Exsiccate no 756, number of items: 3 ex. Bas.: *Lamium galeobdolon* L

Notes. The use of a new name in the genus *Galeobdolon* Adans. 1763 is required because of tautonymy.

Galium valantia (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **1:** 188. 1799

(= *Galium cruciata* (L.) Scop.)

Exsiccate no 194, number of items: 2 ex.

Nom. subst.: *Valantia cruciata* L.

Gnaphalium rectum P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 191, 1801 nom. illeg. non Sowerby & Smith (1793), Engl. Bot. t. 124

(= *Gnaphalium sylvaticum* L.)

Exsiccate no 1030. Bas.: *Gnaphalium sylvaticum* of German botanists (does this not mean *Gnaphalium sylvaticum* Linnaeus?).

Notes. The name is not cited in Index Kewensis. Sowerby & Smith (1793) cited *G. rectum* Bauhin Hist. Vol. 3, part 1 p. 160 and *G. sylvaticum* Huds. Fl. Angl. 360 in synonymy. They mean ed. 2. Hudson cites place polynomial name of Linnei Syst. Nat. 545 and Sp. Pl. 1200 in this case. Both names (G.M.S. and Sowerby et Smith) are based on different sources and they cannot be considered isonyms.

Hippomarathrum pelviforme P. Gaertn., Mey. et Scherb., *Fl. Wett.* **1:** 413, 1799

(= *Seseli hippomarathrum* Jacq.)

Exsiccate no 383, number of items: 3 ex.

Nom. subst.: *Seseli hyppomarathrum* L. (*sic!*) is cited in error in protologue without correct author citation; the author should be Jacq.

Notes. The new name is correct, transferring the name to the genus *Hippomarathrum* Hall., 1745 causes tautonymy.

Jacobaea aquatica (Huds.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 210, 1801

(= *Senecio aquaticus* Hill.)

Exsiccate no 1049, number of items: 1 divided ex. Bas.: *Senecio aquaticus* Huds. and *S. barbaraeifolius* Krocker.

Notes. Hudson´s name is more recent than that of Hill. The generic name *Jacobaea* L., 1753 is no longer used.

Jacobaea doria (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 214, 1801

(= *Senecio doria* L.)

Exsiccate no 1053, number of items: one ex divided into two parts + fragment, Bas.: *Senecio doria* L.

Jacobaea ovata P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 212, 1801

(= *Senecio ovatus* (P. Gaertn., Mey. et Scherb.) Willd.)

Exsiccate no 1051, number of items: 1 ex.

Notes. Lectotypus, designated by HERBORG (1985) is in FR; our specimen is isotypus.

Jacobaea paludosa (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 211, 1801

(= *Senecio paludosus* L.)

Exsiccate no 1050, number of items: one ex. divided into two parts Bas.: *Senecio paludosus* L.

Juncus glaucus Ehrh. ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* **1:** 495, 1799 nom. illeg. non SIBTH. (1794), Fl. oxon. 113

(= *Juncus inflexus* L.)

Exsiccate no 455, number of items: 1 ex.

Notes. The name is not cited in Index Kewensis. Ehrhard used *Juncus inflexus* in 1789 in his "*Beiträge zur ...*": 128, but two years later (1791: 83) he used the new name "*J. glaucus* Ehrh.". This was published as "nomen nudum". GAERTNER, MEYER & SCHERBIUS (1799) validated his name. SIBTHORP (1794) contains the short description "*culmo nudo striato glauco, basi stipulis fuscis, panicula laterali sparsa*" and cites *J. effusus beta* Huds. Ed.2, Fl. Angl.149, *Juncus inflexus* Relh., With., *Juncus acutus* Rush. Sibthorps and Gaertner's, Meyer's and Scherbius´s names are based on different sources, and thus cannot be considered isonyms.

Lychnis sylvestris P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 116, 1800 nom. illeg. non SCHKUR. (1791), *Bot. Handb.* **1:** 403.

(= *Silene dioica* (L.) Clairv., *Melandrium rubrum* Garcke)

Exsiccate no 578, number of items: 2 ex. (♂ + ♀)

Nom. subst.: *Lychnis dioica* α L.

Notes. Name omitted in Index Kewensis. SCHKUR (1791) gives *L. sylvestris* as α in *Lychnis dioica* next to β *L. arvensis*.

Mentha verticillata Dillen. ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 352, 1800 nom. illeg. non L. 1759, Syst. nat., ed. 10. 1099.

(= *Mentha arvensis* L.)

Exsiccate no 743, number of items: 1 ex.

Notes. Index Kewensis cities this name without the authorship of Dillenus and synonymises it with the name *Mentha sativa*. Our specimen belongs to *Mentha arvensis* L.

Meum anethifolium Tournefort ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* 3 Supplementum "Anhang" 10, 1801

(= *Meum athamanticum* Jacq.)

Exsiccate no 372, number of items: 1 ex. + leaf

Notes. Index Kewensis cities this name incorrectly. The name was not published in the second part of the "Flora" but in the supplement "Anhang" of the third volume. The authors credit authorship of the name to Tournefort.

Moenchia erecta (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **1:** 219, 1799

(= name in universal current use)

Exsiccate no 232, number of items: 2 ex. Bas.: *Sagina erecta* L.

Oxalis stricta Jacq. ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 114, 1800 nom. illeg. non L. (1753), Sp. Pl. 435

(= *Xantoxalis fontana* (Bunge) Holub)

Exsiccate no 575, number of items: 1 ex.

Nom. subst.: *Oxalis corniculata* der Floristen/this means non Linnaeus (1753).

Notes. The name is not cited in Index Kewensis.

Petasites hybridus (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 184, 1801

(= name in universal current use)

Exsiccate no 1023, number of items: inflorescence + leaf Bas.: *Tussilago hybrida* L.

Potentilla prostrata Moench, Meth. 659, 1794

Exsiccate no 665, number of items: 1 ex.

Notes. Although "*nobis*" is written on the label after the species name *Potentilla prostrata*, there is no indication in their publication that the authors intended to publish it as new.

Saltzwedelia sagittalis (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 498, 1800

(= *Genistella sagittalis* (L.) Gams in Hegi.)

Exsiccate no 880, number of items: 1 ex. Bas.: *Genista sagitalis* L.

Notes. There are the older, and frequently used, generic names *Genistella* Tourn. ex Rupp. Fl. Jen. Hall. 266, 1745, *Genistella* Ortega Tab. Bot. 39, 1773 and *Chamaespartium* Adans. Fam. 2: 321, 1763. The name *Saltzwedelia* P. Gaertn., Mey. et Scherb., 1800 remains superfluous.

Scribaea divaricata P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 96, 1800

(= *Cucubalus baccifer* L.)

Exsiccate no 551, number of items: 2 ex.

Nom. subst.: *Cucubalus baccifer* L.

Notes. Both the name of the genus *Scribaea* Borkh., 1793, and the above combination, are superfluous.

Senckenbergia ruderalis (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 432, 1800

(= *Lepidium ruderale* L.)

Exsiccate no 823, number of items: 1 ex. Bas.: *Lepidium ruderale* L.

Notes. The generic name *Senckenbergia* P. Gaertn., Mey. et Scherb., 1800 is no longer used.

Vaccaria pyramidata P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 88, 1800, nom. illeg. non MEDIC. (1789), *Phil. Bot.* **1:** 96

(= *Vaccaria pyramidata* Medic.)

Exsiccate no 542, number of items: 1 ex. Bas.: *Saponaria vaccaria* L

Notes. The use of a new name in the genus *Vaccaria* Medic., 1789 is required because of tautonymy; however, the result is an isonym.

Wiggersia lathyroides (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3.1:** 34, 1801

(= *Vicia lathyroides* L.)

Exsiccate no 909, number of items: 2 ex. Bas.: *Vicia lathyroides* L.

Notes. The names for genera separated from the genus *Vicia* as *Vicioides* Moench, 1794, or *Wiggersia* P. Gaertn., Mey. et Scherb., 1801 are no longer acceptable. The latter would, moreover, be superfluous.

Wiggersia lutea (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3.1:** 36, 1801

(= *Vicia lutea* L.)

Exsiccate no 910, number of items: 1 ex. Bas.: *Vicia lutea* L.

Notes. See note above.

Wiggersia sepium (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3.1:** 34, 1801

(= *Vicia sepium* L.)

Exsiccate no 908, number of items: 1 ex. Bas.: *Vicia sepium* L.

Notes. See note above.

Unpublished names, only "*in schedis*"

Bidens cernua radiata P. Mey. et Scherb., in schedis

Exsiccate no 1038 b, number of items: 1 ex.

Notes. Only the German name "*Gestrahlter Zweizahn*" in Flora der Wetterau 3.1: 199 is published.

Equisetum hyemale minus P. Mey. et Scherb., in schedis

Exsiccate no 1217 b, number of items: 2 ex. + 1 fragment, non-homogenous material

Notes. Only the German name "*Kleines Winterschaftheu*" in Flora der Wetterau 3.2: 36 is published.

Vitis vinifera sylvestris P. Gaertn., Mey. et Scherb., in schedis

Exsiccate no 302 b, number of items: 1 ex.

Notes. Extraordinarily enough, the name does not occur in "Flora der Wetterau" and the duplicate is missing in FR.

Notes on some names of specimens not found in BRNM and omitted or not correctly cited in Index Kewensis

Agrostis compressa Willd. ex P. Gaertn., Mey. et Scherb., *Fl. Wett.*, **1:** 90, 1799 nom. illeg. non Roem. et Ust. (1790), Mag. 4, 9: 39,

(= *Agrostis canina* L.)

Nom. subst.: *Agrostis dubia* Leers.

Notes. Name not cited in Index Kewensis.

Amygdalus fragilis Borckh. ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 161, 1801

Nom. subst.: *Amygdalus comunis* γ L.

Notes. This combination, not mentioned in Index Kewensis, is older than the name mentioned by HELL. Fl. Wirceb. 1: 500, 1810.

Apargia autumnalis (L.) Scop. ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 145, 1801

Bas.: *Leontodon autumnalis* L.

Notes. This combination, not mentioned in Index Kewensis, is older than the better-known and often-used combination *A. autumnalis* (L.) Hoffm. Deutschl. Fl. ed. 2: 113, 1804.

Calcitrapa hippophaestrum P. Gaertn. ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 178, 1801 nom. illeg. non GAERTN. (1791), Fruct. 2: 376.

(= *Calcitrapa stellaris* Hill.)

Nom. subst.: *Centaurea calcitrapa* L.

Notes. The name is cited in Index Kewensis without "P. Gaertner ex". It was not intended as a new species name. It was mentioned as "*sensu* Gaertner". The Gaertner name is missing from Index Kewensis.

Carex fulva Good., *Trans. Linn. Soc.* **2:** 177, 1794

Notes. This citation is given in Index Kewensis, and also the name with authors P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 330, but they clearly give the author's name as "Good." in their publication. It cannot therefore be considered as a new name.

Cnicus arvensis (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 164, 1801.

(= *Cirsium arvense* (L.) Scop.)

Bas.: *Serratula arvensis* L

Notes. The name is not cited in Index Kewensis. The often-cited name of *C. arvensis* Hoffman., Deutschl. Fl. ed.2, 1,2: 130, 1804 is an isonym.

Corylus arborescens Moench., *Hausv*. **3:** 826, 1777

Notes. The name *C. arborescens* P. Gaertn., Mey. et Scherb., Fl. Wett 3,1: 376 is cited in Index Kewensis without ”Moench” as author. The authors do not appear to be publishing it as a new name.

Cyathea tenuis P. Gaertn., Mey. et Scherb., *Fl. Wett.* 3, **2:** 67, 1802

(= *Cystopteris regia* (L.) Desvaux)

Nom. subst.: *Polypodium regium* L.

Notes. The name *Cyathea tenuis* was used for a pteridophyte from Cuba by Brause G. in Urban I. Symbolae Antillanae seu Fundamenta Florae Indiae occidentalis. 7. Nova genera et species 5: 154, 1911. See Christensen (1913). It does not appear in the monograph of the genus *Cyathea* by Tryon (1976) or in Tryon & Tryon (1982). The name of the American plant must be therefore be considered as nomen illegitimum (more recent homonym).

Fedia dentata (L.) P. Gaertn. in P. Gaertn., Mey. et Scherb., *Fl. Wett.* **1:** 53, 1799

(*Valerianella dentata* (L.) Pollich)

Bas.: *Valeriana locusta dentata* L.

Notes. All combinations mentioned in Index Kewensis or elsewhere (Weberling 1970) e.g. Bernh., Syst. Verz. 24, 1800, Mirb., Hist. Nat. Pl. ed. 2, 13: 304, 1804, Sieber ex Betcke, Animadv. Bol. Valer. 22, 1826, Vahl, Enum. Pl. 2: 20, 1805 – are isonyms of this name. The combination not mentioned there appears to be the oldest. Gaertner (1791) Fructibus 2: 36 do not use this name; it is also not mentioned as “*sensu* Gaertner”.

Fumaria tenuifolia P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 14, 1801 nom. illeg. non L. 1759.

Bas.: *Fumaria spicata* Fabric. and Moench not. L.

Notes. The name is not cited in Index Kewensis.

Persica nucipersica P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 169, 1800. nom. illeg. non Borck. (1790), Hess. Hoelz. 205

(= *Persica vulgaris* Mill.)

Nom. subst.: *Amygdalus persica* β L.

Notes. The name is not cited in Index Kewensis. The authors attribute authorship to Bauhin.

Pyrus sorbus P. Gaertn., Mey. et Scherb., *Fl. Wett.* **2:** 214, 1800 nom. illeg. non P. GAERTN. (1790), Fruct. 2: 45. t. 87

(= *Sorbus domestica* L.)

Nom. subst.: *Sorbus domestica* L.

Notes. The name is not cited in Index Kewensis

Sonchus laevis Hall. ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 125, 1801. nom. illeg. non GARSAULT. (1764), Fig. Pl. Anim. Med. t. 564 nec VILL. (1789), Hist. Pl. Dauph. 3:158.

(= *Sonchus oleraceus* L.)

Notes. The name is not cited in Index Kewensis. The authors wrote "Hall." in error, instead of the correct Hill. See similar case at *Sonchus asper* below.

Sonchus asper Hall. ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 125, 1801 nom. illeg. non HILL (1769), Herb. Brit. 1: 47

(= *Sonchus asper* (L.)HILL.)

Notes. The name is cited in Index Kewensis without "Hall." Probably Gaertner, Meyer and Scherbius wrote "Hall." erroneously instead of the correct name of Hill. This is mentioned as "*sensu* Hill", and is therefore not a new name.

Sparganium ramosum (L.) P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** 300 nom. illeg. non HUDS. (1778), Flora Anglica ed. 2, 401 nom. illeg.

(=*Sparganium erectum* L.)

Bas.: *Sparganium erectum ramosum* L.

Notes. Hudson´s name is also illegitimate, since *Sparganium erectum* L. is cited in its synonymy. The authors attribute authorship to Bauhin.

Viola persicifolia Boehmer ex P. Gaertn., Mey. et Scherb., *Fl. Wett.* **3,1:** Anhang 8, 1801 nom. illeg. non ROTH (1789), *Tent. Fl. Germ.* **2,1:** 271

Notes. The name is not cited in Index Kewensis.

Acknowledgements

The Ministry of Culture of the Czech Republic supported the work of the author on this contribution in the years 1996–1997 and 2001. The Grant Agency of the Czech Republic (ref. GAČR 206/04/0995) and the long term research grant ref. MK00009486201 in 2005–2008 were also involved.

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	0	1	2	3	4	5	6	7	8	9
0		■	■			■	■			■
1	■	■		□	■	■			■	■
2	■	■	■	■	■		■	■	■	■
3					■	■	■	■	■	■
4			■	■			■		■	
5	■	■	■	■	■	■	■	■	■	
6	■	■	■	■	■	■	■	■		■
7	■		■	■	■	■	■	■	■	■
8		■	■	■						
9			■	■		■		■	■	■
10	■	■	■		■	■	■	■	■	■
11	■	□	■		■	■	■			■
12		■			■	■	■			
13	■	■	■		■	■	■	■		■
14		■	■	■	■	■	■	■	■	■
15	■			■	■	■	■	■	■	■
16	■		■	■	■	■	■		■	
17	■	■	■	■	■	■	□	■		■
18	■				■	□		■	■	■
19	■	■	■		■		■	■	■	■
20	■	■	■	■	■	■	■	■	■	■
21		■	■			■	■	■	■	■
22	■	■	■	■	■	■	■			
23	■		■	■	■	■	■	■		■
24	■	■		■	■	■	■	■	■	■
25	■	■	■	■		■	■	■		
26	■				■	■	■	■		
27		■	■	■	■	■	■	■		
28	■	■	■			■	■	■	■	
29	■	■	■	■	■	■		■	■	■
30		■	■			■		■		■
31		■	■	■	■	■	■	■	■	
32		■	■	■	■	■	■			■
33	■			■	■	■		■	■	
34	■	■		■	■			■		■
35	■	■	■				■		■	
36	■	■	■		■		■	■	■	■
37	■	■	■		■		■	■		■
38	■		■	■	■	■	■		■	
39	■	■		■	■	■	■	■	■	■
40		■	■	■	■	■			■	■
41	■		■	■	■	■	■	■	■	■
42				□						
43	■			■		■	■	■	■	■
44	■	■				■	■	■		■
45	■	■	■	■		■	■	■	■	■
46	■	■	■		■	■	■			■
47	■				■					■
48	■	■		■	■	■	■		■	■
49	■	■	■	■			□	■	■	■
50	■				■	■	■	■	■	■
51	■	■	■		■	■	■	■	■	■
52		■	■			■	■	■	■	■

	0	1	2	3	4	5	6	7	8	9
53	■	■	■	■			■	■	■	■
54	■	■		■		□	■	■		
55	■	■	■	■			■		■	■
56	■		■	■			■	■	■	■
57		■	■	■	■	■	■	■	■	
58					■	■	■			□
59	■		■	■		■		■	■	
60		■	■	■		■			■	
61						■		■	■	■
62	■		■		■	■	■			■
63	■	■	■			■	■	■	■	
64		■	■		■					
65		■	■			■		■	■	■
66	■	■		■		■	■		■	■
67	■		■			■	■		■	
68	■	■		■	■	■	■		■	■
69	■			■				■	■	■
70	■	■	■	■	■	■		■	■	
71	■		■	■	■		■		■	□
72	■		■	■	■		■		■	■
73	■	■	■	■	■	■	■	■	■	
74	■			■		■	■		■	■
75	■	■	■	■			■		■	■
76	■	■		■	■		■	■	■	
77	■	■	■	■	■	■	■	■	■	■
78	■	□		■	■	■		■	■	
79		■		■	■	■	■	■		■
80	■	■	■	■	■	■			■	■
81	■		■	■	■		■	■		■
82	■	■		■	■	■			■	■
83		■	■	■			■	■		■
84	■	■	■	■	■		■	□	■	
85	■	■	■		■		□	■		■
86			■	■	■					
87	■		■	■	■	■			■	■
88	■		■	■	■	□	■	■		
89	■	■		■	■		■	■	■	■
90		■	■	■	■	■	■		■	■
91	■	■		■			■	■	■	
92		■	■	■	■	■	■	■	■	■
93	■	■	■	■	■	■	■	■	■	■
94	■	■	■	■	■	■	■		■	■
95	■		□	■	■	□				□
96		□	□			□			□	□
97			□		□	□	□			
98								□		
99						■				
100		□		□		□	■			
101	□	□	■	■		■	■		■	■
102	■	■		■		□	■		□	■
103	■	■	■	■	■	■	■	■	■	
104	■	■	■	■	■	■	■		■	□
105	■	■		■		■	■	■	□	■

Tab. 1. Overview of "Flora ovon Wetterau" present in the Munch-Bellinghausen collection. (Explanation: Horizontal numbers are units. Vertical numbers are tens. ■ Present in the BRNM collection; □ Present in the BRNM collection but missing in FR; × – The sheet without a plant, only a label present.) Continued.

	0	1	2	3	4	5	6	7	8	9
106	□	■	■		■	■	■	■	■	■
107	□		■	■		■			□	□
108				□				□	■	□
109	□	■	□	□			□	□		□
110	■	■	■				■	■		
111					■	■		■		
112		■				■		■	■	■
113	■	■	■	□	□	■			■	■
114	□			■	■					■
115	■	■	■	■	■	■	■	■	■	■
116	■	■	■	■	■		■	■	■	
117		■	■	■				■		
118	■	■	■					■	■	■
119	■	■			■			■	■	
120		■		■	■	■		■	■	■
121		■	■	■		■	■	■	■	■
122	■	■	■	■	■	■	■	■	■	■
123	■	■	■	■	■	■	■	■	■	
124	■	■	■		■	■				
125		■	■	■	■	■	■	■	■	■
126	■	■	■	■	■	■		■	■	■
127	■	■	■	■	■	■	■	■	■	■
128	■	■	■	■	■		■	■	■	■
129					■	■	■	■	■	■
130	■	■	■	■	■		■	■	■	■
131	■	■		■	■	■	■	■	■	■
132	■		■	■	■		■		■	■
133	■	■	■	■	■	■	■	■	■	■
134	■	■	■	■	■	■	■	■		
135	□				□	■		■		
136	■	■		■	■		□			
137										
138					■	■	■	■	■	■
139	■	■	■	■			■	■	■	■
140	■						■	■	■	■
141		■	■	■		■		■		■
142	■									
143	×	■	■		■			■	■	■

	0	1	2	3	4	5	6	7	8	9
144	■	■	■		■	■	■	■		■
145	■	■	■	■	■	■		■	■	■
146	■	■	■	■				■		■
147	■			■	■	■	■		□	■
148	□								■	■
149	■	■	■		□		■			■
150		□	■	■						■
151						■				
152		■				■		■	■	■
153	■			■		×	□	■	■	■
154	■	■						■		
155	□									
156	□									
157										
158	■	■	■	■	■		■	■	■	■
159	■	■	■	■	■	■	■	■	■	■
160	■	■			■	■		■		
161	□	■	■				□			
162										
163										
164										
165										
166										
167										
168						■				
169				■						
170										
171										
172										
173				■			■	□		■
174								■		■
175										
176										
177										
178	□									
179									■	■
180	■	■	■							

Tab. 1. Overview of "Flora ovon Wetterau" present in the Munch-Bellinghausen collection. (Explanation: Horizontal numbers are units. Vertical numbers are tens. ■ Present in the BRNM collection; □ Present in the BRNM collection but missing in FR; × – The sheet without a plant, only a label present.)