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Type specimens of the Apiaceae in the Herbarium of the Martin-Luther-University Halle-Wittenberg (HAL)

Jens STOLLE

Abstract: Stolle, J. 2003: Type specimens of the Apiaceae in the Herbarium of the Martin-Luther-University Halle-Wittenberg (HAL). Schlechtendalia **10**: 7–13.

Types of species belonging to the Apiaceae, deposited in the herbarium of the Martin-Luther-University Halle-Wittenberg (HAL), are listed in the present paper. The binominals are arranged alphabetically. Beside the names of the species, bibliographic data, type localities (data from the original labels), kinds of types and accession numbers are given. Most of the species concerned have been described by D.F.L. von Schlechtendahl, A.P. de Candolle, P.E. Boissier, C.F. Ecklon & C.L.P. Zeyher and R.A. Philippi. In a separate list, „typoid" original collections, which possibly represent genuine types, are enumerated. A survey of the type collections of HAL is also available via internet (http://www.biologie.uni-halle.de/Botany/botany.html).

Zusammenfassung: Stolle, J. 2003: Typusmaterial der Apiaceen des Herbariums der Martin-Luther-Universität Halle-Wittenberg (HAL). Schlechtendalia **10**: 7–13.

In der vorliegende Arbeit werden Typuskollektionen von Arten der Apiaceen des Herbariums der Martin-Luther-University Halle-Wittenberg (HAL) alphabetisch aufgelistet. Neben den Namen der Arten werden für jeden Beleg bibliographisch Angaben, Herkunft (Originaldaten vom Etikett), Art des Typus und HAL-Nummer angegeben. Die meisten Arten wurden von D.F.L. von Schlechtendahl, A.P. de Candolle, P.E. Boissier, C.F. Ecklon & L.L.P. Zeyher und R.A. Philippi beschrieben. Als Anhang werden „typusartige" Originalkollektionen verzeichnet, die möglicher Weise echte Typen sein könnten. Eine Übersicht der HAL-Typen kann auch über das Internet abgerufen werden (http://www.biologie.uni-halle.de/Botany/botany.html).

In this paper, in which contributions by BRAUN (1998, 2000), HOFFMANN (1998, 2000), KESTING & HOFFMANN (2000) and BRAUN & STORDEUR (2001) are continued, type collections of species and varieties belonging to the Apiaceae deposited at the herbarium of the Martin-Luther-University Halle-Wittenberg are listed. The structure of the list follows BRAUN (1998) and HOFFMANN (1998). In a separate list, a survey of authentic collections, which are possibly true types, are added, but the status of the particular taxa is not yet clear and can only be proven in connection with monographic studies.

Annotated checklist

Annesorhiza capensis Cham. et Schltdl., Linnaea 1: 399, 1826.
"Promontorio bonae spei (ad latera montis tabularis, montis leonis et ad nemus Rondebosch, ad Paerdebund), Mundt et Maire" (isotype: HAL 098510).

Asteriscum chilense Cham. et Schltdl., Linnaea 1: 354, 1826.
"In arenosis siccis circa Talcaquano sub fine Februarii 1816, leg. A. v. Chamisso" (type: HAL 026829).

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Azorella aretioides Willd. ex DC., Prodr. 4: 77, 1830.
"Legit Humbold in summis Andium alpibus, Willdenow dedit" (isotype: HAL 026847).

Azorella pedunculata Willd. ex DC., Prodr. 4: 78, 1830.
"Humbold legit in summis ... (illegible) jugis, Willdenow dedit" (isotype: HAL 026833).

Azorella selago Hook.f., Fl. antarct.: 284, 1844.
"Ins. Heremit. Cap Horn (ex herb. Hooker). Exped. antarct. 1839 – 43, leg. J. D. Hooker" (isotype: HAL 026854).

Bowlesia dichotoma Poepp. ex DC., Prodromus 4: 76, 1830.
"Nr. 363 Diar. Chili, Pöppig. In montib. glareos. convall. „los Chorillos". Fl. Octobr." (isotype: HAL 26856).

Bowlesia nodiflora C. Presl ex DC., Prodr. 4: 76, 1830.
"Nr. 248 Diar. Chili, Pöppig. In siccis graminosis et (caespitosa fol. minor. incanis) in arenosis maritimis ad Cocon. Septbr. flor." (isoparatype: HAL 026859).

Bupleurum brevicaule Schltdl., Linnaea 17: 124, 1843.
"In areis graminosis rupium prope Aleppo, Th. Kotschy, 11.5.1841" (holotype: HAL 098514).

Bupleurum foliosum Salzm. ex DC., Prodr. 4: 133, 1830.
"Tanger, Salzmann" (type: HAL 098512).

Chaerophyllum laseroides Hedge et Lamond, Notes Roy. Bot. Garden Edinburgh 38(2): 252, 1980.
"Zentral-Nuristan, ob. Paruntal zw. dem Weideplatz Tschelras und Wanra, G. Kerstan, 11.6.1935" (holotype: 081729).

Elaeoselinum lagascae Boiss., Elench. pl. nov.: 90, 1838.
"In fissuris rupium reg. calid. Regn. Granat., Boissier, Aest. 1837" (type: HAL 098497).

Eryngium chamissonis Urban, in Mart., Fl. bras. 11(1): 315, 1879.
"Brasilia, F. Sellow, 1814-31" (paratype: HAL 25179).

Eryngium ciliatum Cham. et Schltdl., Linnaea 1: 349, 1826.
"Brasilia meridionalis: prov. Cisplatina et Rio grande do Sul, in campis, F. Sellow" (type: HAL 025176).

Eryngium cylindraceum Willd. ex Spreng., Syst. veg. 1: 872, 1824.
"Mexico, A. v. Humboldt" [ex herb. Willdenow] (type: HAL 025167).

Eryngium deppeanum Cham et Schltdl., Linnaea 5: 207, 1830.
"Mexico: Serro colorado, Schiede & Deppe, Aug. 1828" (holotype: HAL 025194).

Eryngium elegans Cham. et Schltdl., Linnaea 1: 348, 1826.
"Brasilia meridionalis: prov. Montevideo et Rio grande do Sul, F. Sellow" (type: HAL 025177).

Eryngium eriophorum Cham. et Schltdl., Linnaea 1: 342, 1826.
"Brasilia meridionalis, F. Sellow" (type: HAL 025178).

Eryngium filiforme Shuttle ex A.Gray, Pl. wright. I.: 78, 1852.
"In arenosis salsis, circa St. Marks, Florida, Rugel, Juli 1843" (type: HAL 025170).

Eryngium floribundum Cham. et Schltdl., Linnaea 1: 345, 1826.
"Brasilia meridionalis, F. Sellow" (type: HAL 025180).

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Eryngium haenkei C. Presl ex DC., Prodr. 4: 94, 1830.
"Mexico, Th. Hänke" (type: HAL 025175).
Eryngium junceum Cham. et Schltdl., Linnaea 1: 341, 1826.
"Brasilia aequinot, F. Sellow" (type: HAL 025181).
Eryngium pratense Phil., Linnaea 30: 189, 1859.
"Valdivia, R. A. Philippi" (type: HAL 025151).
Eryngium sanguisorba Cham. et Schltdl., Linnaea 1: 339, 1826.
"Brasilia meridionalis: prov. Rio grande do Sul, F. Sellow" (type HAL 025186).
Eryngium scirpinum Cham., Linnaea 8: 324, 1833.
"Brasilia, F. Sellow" (type: HAL 025187 A, B).
Eryngium sellowii H. Wolff. in Engl., Pflanzenreich, Umbellif.–Sanicul.: 249 (1913)
"Brasilia meridionalis, F. Sellow, 1814-31" (HAL 25184)
Eryngium stenophyllum [Urb.] var. ***subracemosum*** Urb., Fl. bras. 11. I.: 330, .
"Brasilia aequinoct., F. Sellow" (type: HAL 025184).
Ferula angulata Schltdl., Linnaea 17: 125, 1843.
"In hiatibus saxosis altiorum regionum m. Gara Kurdist., Th. Kotschy, 6. Aug. 1841" (type: HAL 036377).
Ferula meifolia Eckl. et Zeyh., Enum. pl. afric. austral.: 348, 1836.
"N. 2230, Africa australis, Worcester: In locis arenosis (altid. I) ad Vierentwintig Rivieren", G.F. Ecklon & C.L. Zeyher, 1829–1832" (holotype: HAL 036375).
Ferula ovina Boiss., Fl. orient. II.: 986, 1872.
"Persia, Beluchist., In rupestribus pr. ruinas u. Persepolis, Th. Kotschy, April 1842" (type: HAL 036472).
Fragosa biloba Schltdl. Linnaea 28: 478, 1856.
"Plantae Lechlerianae, Frag. biloba ad interim" (holotype: HAL 026845).
Haquetia bracteogama DC., Prodromus 4: 668, 1830.
"Pöpp. Diar. 845. In Ch. austr. praerupt. frigidiss. Sierra Veluda (7500') And. de Ant. Jan. lect." (isotype: HAL 026806).
Heteromorpha arborescens Cham. et Schltdl., Linnaea 1: 385, 1826.
"In regionibus occidentalibus Promontorii bonae spei ad Gamka et Cango, Mundt et Maire" (types: HAL 098488-098490).
Heteromorpha collina Eckl. et Zeyh., Enum. pl. afric. austral.: 342, 1836.
"Adow et ad Olifantshoek (Uitenhake), Aug./Sept., Ecklon & Zeyher" (HAL 098511).
Hydrocotyle asterias Cham. et Schltdl., Linnaea 1: 361, 1826.
"Brasilia, Sellow" (type: HAL 025147).
Hydrocotyle calliodus Cham. et Schltdl., Linnaea 1: 377, 1826.
"In promontorii bonae spei montibus Tradouw, Mundt & Maire" (holotype: HAL 097780, A, B**)**.
Hydrocotyle indecora DC., Prodromus 4: 668, 1830.
"Pöppig Coll. pl. Chil. II.), Diar. 460. Ad rivolus sylvestris, Talcahuano. Lecta Apr." (isotype: HAL 025118).
Hydrocotyle lechleri Phil., in herb. (= *H. poeppigii* DC., Prodr. 4: 667 (1830)
"W. Lechler pl. chilens. Ed. R. F. Hohenacker. 424. Prope Angachilla in prov. Valdivia. Dec. m." (type: HAL 25119).

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Hydrocotyle leucocephala Cham. et Schltdl., Linnaea 1: 364, 1826.
"Brasilia, Sellow" (paratype: HAL 025143).

Hydrocotyle mexicana Cham. et Schltdl., Linnaea 5: 208, 1830.
"In sylvis umbrosis pr. Jalapam, Aug. 28, C. J. W. Schiede" (holotype: HAL 025141).

Hydrocotyle modesta Cham. et Schltdl., Linnaea 1: 358, 1826.
"Brasilia meridionalis provincia Cisplatine prope Montevideo, F. Sellow" (type: HAL 025148).

Hydrocotyle poeppigii DC., Prodr. 4: 667, 1830.
"Diar. 785. Cresc. in Chil. austr. sylvis densis ad Antuco. Decbr. Lecta" (isotype: HAL 025127).

Hydrocotyle quinqueloba [Ruiz et Pav.] var. ***glabra*** Cham. et Schltdl., Linnaea 8: 329, 1833.
"Bras. aequinoct, Sellow" (paratype: HAL 025126).

Hydrocotyle valdiviana Phil., Linnaea 33: 88, 1864.
"Corral" [leg. Krausse] (isotype: HAL 025117).

Hydrocotyle vulgaris [L.] var. ***communis*** Cham. et Schltdl., Linnaea 1: 356, 1826.
"St. Catharina Bras. December 1815" (type: HAL 025114).

Klotzschia brasiliensis Cham., Linnaea 8: 327, 1833.
"Brasilia intratropica, F. Sellow" (type: HAL 026805).

Libanotis nitida Vis., Fl. dalmat. III.: 43, 1850.
"In montib. Dalm., de Visiani" (type: HAL 098503).

Ligusticum gmelini Cham. et Schltdl., Linnaea 1: 391, 1826.
"Insula Chamissonis" (type: HAL 098529).

Ligusticum pansil Bertero ex DC., Prodr. 4: 669, 1830.
"In petrosis et rupestribus maritimis Valparaiso Chile, Okt. 1829 + Juli 1830" [ex herb. Bertero] (type: HAL 098530).

Mulinum echinus DC., Prodromus 4: 79, 1830.
"Chile, Haenke" (isotype: HAL 026839).

Niphogeton andicola Schltdl., Linnaea 28: 481, 1854.
"Peru, Agapata ad limites niv. atern. summ. Cordillier., W. Lechler, Juni 1854" (holotype: HAL 026884).

Peucedanum virgatum Cham. et Schltdl., Linnaea 1: 392, 1826.
"In promontorii bonae spei montibus Tradouw, Mundt et Maire" (type: HAL 097781 A, B).

Sanicula crassicaulis Poepp. ex DC., Prodromus 4: 84, 1830.
"Nr. 227 Diar. Chili, Pöppig, In graminos. umbros. convall. ad Concon. Septbr. flor." (isotype: HAL 026817).

Sanicula graveolens Poepp. ex DC, Prodromus 4: 85, 1830.
"Diar. 222, In montos. sicc. graminous. convallis "los Chorillos" (Chile), Sptbr.flor., Pöppig, F." (isotype: HAL 026818).

Seseli hercegovinum K. Maly, Glasn. Zem. Mus. Bosn. i Hercegov. 31: 86, 1919.
"Hercegovina, in saxosis faucis Narontis prope Prenj-Grabovica, K. Maly, 17.10.1918" (type: HAL 080072).

Seseli promonense Vis., Fl. dalmat. III: 29, 1850.
"In Monte Promonum, Dalmat., Visiani" (type: HAL 098519).

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Seseli resinosum Freyn & Sint., Oesterr. Bot. Z. 44: 100, 1894.
"P. Sintensis: Iter orientale 1892; No. 5010. Paphlagonia. Wilajet Kastambuli. Küre-Nahas; 25.8." (type: HAL 098516).

Seseli tomentosum Vis., Stirp. dalmat. spec.: 6, 1826.
"In saxosis Dalm., Visiani" (type: HAL 098517).

Steganotaenia araliacea Hochst., Flora 27 (Beibl.): 4, 1844.
"Arbusculum prope Djeladjeranne, 20. April 1841" [propably collected by Schimper] (holotype: HAL 098509).

Tauschia nudicaulis Schltdl., Linnaea 9: 607, 1835.
"In locis tenui gramine vestites inter la Joya et San Salvador, C. J. W. Schiede, Juni 1829" (holotype: HAL 066180 A) and „Inter las Vigas et Perote, C. J. W. Schiede et F. Deppe (holotype: HAL 066180 B) "

Possible type collections

Athamantha tenuifolia Pall. ex Roem. et Schult., Syst. veg. 6: 495, 1820.
"Sibiria versus Ochotsk, Pallas" (HAL 098504).

Azorella muscoides Phil., Linnaea 28: 695, 1856.
"Cordilliera de Santiago" [ex herb. R. A. Philippi] (HAL 026853).

Bupleurum acutifolium Boiss., Elench. pl. nov.: 47, 1838.
"In dumetis partis inferrioris Sierra d'Estepona, E. Boissier, Mai 1837" (HAL 098513).

Cachrys involucrata Pall. ex Willd., fide Roem. et Schult., Syst. veg. 6: 447, 1820.
Ex herb. Willdenow (HAL 098494).

Cachrys macrocarpa Ledeb., Fl. altaic. I.: 364, 1829.
"Altai" (HAL 098493).

Cachrys odontalgica Pall., Reise, Anh. z. Bd. 3: 34, 1771 – 1776.
"e Sibiria" (HAL 098491).

Cachrys vaginata Ledeb., Fl. altaic. I.: 366, 1829.
"Altai" (HAL 098496).

Conium chaerophylloides Eckl. et Zeyh., Enum. pl. afric. austral.: 355, 1836.
South Africa, ex herb. Ecklon and Zeyher (HAL 098528).

Daucus australis Poepp. ex DC., Prodromus 4: 214, 1830.
"(Diar. Nr. 330, Chili), Pöppig" (HAL 066181).

Daucus persicus Boiss., Ann. Sc. Nat. Bot., Ser. III, 2: 49, 1844.
"In vineis pagi Derungun prope urbem Schiras, Th. Kotschy, 18.6.1842" (HAL: 052729).

Eryngium glaciale Boiss., Elench. pl. nov.: 44, 1838.
"Hispan., In summis Sierra Nevada, E. Boissier, Aug. 1837" (HAL 098523).

Eryngium pentechinum Sieber ex DC., Prodr. 4: 89, 1830.
"ad pagum Siloah, Hierosolym, Sieber" (HAL 098522).

Ferula peucedanifolia Willd. ex Schult., Syst. veg. 6: 592, 1820.
"ad Wolga" [ex herb. Willdenow] (HAL 036473).

Ferula pubescens Pall. ex Schult., Syst. veg. 6: 598, 1820.
"e Sibiria" [ex herb. Willdenow] (HAL 098492).

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Ferula pumila Pall. ex Schult., Syst. veg. 6: 598, 1820.
"e Sibiria" [ex herb. Willdenow] (HAL 033090).
Hermas quercifolia Eckl. et Zeyh., Enum. pl. afric. austral.: 355, 1836.
South Africa, „Tulbagh (Worcester)" (HAL 098495).
Hydrocotyle adoënsis Hochst., Flora 24: 28, 1841.
"(=nr. 34. sect. I) In rivulis et aquis stagnantibus prope Adoam. d. 13. Nov. 1838" [ex herb. Schimper] (HAL 098532).
Hydrocotyle minima Hochst. ex A. Rich., Tent. fl. abyss. 1: 319, 1848.
"Ad ripas rivorum prope Dibill in montis Silke latera australi circiter 10000 pedes supra mare d. 28. Febr. 1840" [ex herb. Schimper] (HAL 098531).
Lichtensteinia lacera Cham. et Schltdl., Linnaea 1: 395, 1826.
"Flora Capensis, Sieber (Nr. 213)" (HAL 097779, three sheets).
Peucedanum elatum Ledeb., Fl. altaic. I.: 304, 1829.
"Altai" (ex herb. Willdenow) (HAL 098508).
Peucedanum gracile Ledeb., Fl. altaic. I.: 308, 1829.
"Altai" [ex herb. Willdenow] (HAL 098507).
Peucedanum heterophyllum Vis., Cat. Sem. Hort. Patav. 3: 4, 1836.
"In ... Dalm. (illegible), de Visiani" (type: HAL 098506).
Peucedanum hystrix Bunge, Verz. Altai Pfl.: 23, 1832
"Flora orient. altaica, 1839" [ex herb. Bunge] (HAL 098505).
Peucedanum petraeum Noë ex Koch, Syn. fl. germ. helv. ed. I: 304, 1839.
"Fiume, Noë, Sept. 1839" (HAL 098498).
Peucedanum petteri Vis., Cat. Sem. Hort. Patav. 3: 4, no. 8, 1836.
"In ... Dalm. (illegible), de Visiani" (type: HAL 098502).
Peucedanum polyphyllum Ledeb., Fl. altaic. I.: 314, 1829.
"Altai" [ex herb. Willdenow] (HAL 098500, 098501).
Peucedanum saxatile Noë ex Bertol., Fl. ital. 3: 355, 1838.
"fiume Sbr. an Felsen, Noë" (HAL 098499).
Peucedanum sibiricum Willd., Sp. pl. 3(2): 1406, 1802
"Sibiria, Pallas" (HAL 097782, A, B).
Peucedanum vaginatum Ledeb., Fl. altaic. I.: 312, 1829.
"Flora orient. altaica, 1839" [ex herb. Bunge] (HAL 098525) and „Altai" (HAL 098524).
Scandix aucheri Boiss., Ann. Sc. Nat. Bot., Ser. III, 2: 58, 1844.
"prope ruinas u. Persepolis, Th. Kotschy, Apr. 1842" (HAL 098526).
Seseli dichotoma Pall. ex Bieb., Fl. taur.-caucas. 1: 235, 1808.
"Tauria, Pallas" [ex herb. Willdenow] (HAL 098521).
Seseli graveolens Ledeb., Fl. altaic. I.: 340, 1829.
"Altai" [ex herb. Willdenow] (HAL 098527).
Seseli intricatum Boiss., Elench. pl. nov.: 48, 1838.
"Hispan., in cacumine Sierra de Gador, E. Boissier, Aug. 1837" (HAL 098520).
Seseli tenuifolium Ledeb., Icon. pl. I.: 97, 1829.
"e Altai" (HAL 098518).
Sison crinitum Pall., Acta Acad. Sci. Imp. Petrop. 2: 250, 1779.
"e Sibiria" [ex herb. Willdenow] (HAL 098515).

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