

# INDEX SEMINUM

## 2009



**FRONT COVER:** *Robinia hispida* L.  
(No. 182)  
USA, New York

Photo: Jaroslav Vogeltanz

# **INDEX SEMINUM**

## **2009**

**PLZEŇ  
2009**

**ZOOLOGICAL AND BOTANICAL GARDEN  
OF THE TOWN PLZEŇ  
Pod Vínicemi 9, 301 16 Plzeň  
Czech Republic**

Telephone: +420/378038301

Fax: +420/378038302

E-mail: pes@plzen.eu

Area: 21,5 ha

Geographical location: Latitude: 49° 44' N  
Longitude: 13°23' E  
Altitude: 330 m

Annual average temperature: 7,4 °C  
Highest annual temperature: 40 °C  
Lowest annual temperature: - 27 °C  
Annual rainfall: 512 mm

Director: Ing. Jiří Trávníček  
Curator of Botany: Ing. Tomáš Peš

Seed collectors: Mgr. Václava Pešková, Šárka Sýkorová, Jana Soukupová, Zdeněk Bříza

## SEMENA SEBRANÁ V ZOOLOGICKÉ A BOTANICKÉ ZAHRADE MĚSTA PLZNĚ

### SEEDS COLLECTED IN THE ZOOLOGICAL AND BOTANICAL GARDEN OF THE TOWN PLZEŇ

#### ACERACEAE

1. *Acer crataegifolium* Sieb. et Zucc.

BG Kyoto / Japan, Kyoto, Amawaka Haibara, Hiyoshi-cho, alt. 273 m

2. *Acer tataricum* L.

BG Cluj-Napoca / Romania, Cheile Turzii-Ditr. Cluj, Gh. Ghoza

#### ACORACEAE

3. *Acorus calamus* L.

Czech Republic, W Bohemia, Hnačov, around pond, alt. 550 m

#### AGAVACEAE

4. *Sansevieria stuckyi* God.-Leb.

J. Haager

#### AIZOACEAE

5. *Delosperma bosseranum* W. Marais

Pavelka / Madagascar H2909

6. *Delosperma cf. bosseranum* W. Marais

BG Monaco / Madagascar, entre Faux Cap et Cap Ste Marie, 28135 Lavranos

7. *Delosperma cf. davyi* N. E. Br.

Pavelka / R. S. A., Saní Pass

8. *Delosperma harazianum*

Pavelka / Yemen

9. *Delosperma sp.*

Pavelka / R. S. A., Giants Castle, PV 1702

10. *Delosperma sp.*

Pavelka / R. S. A., Modderpoort, PV 1302

#### ALLIACEAE

11. *Allium altaicum* Pall.

BG Akureyri / BG Kirovsk / Russia, Gorno-Altajsk

12. *Allium cernuum* Hort. ex Schult. f.

BG Michigan University / USA, Michigan, Washtenaw Co., alt. 290 m,  
Sanghigh Prairie

13. *Allium flavum* L.  
Czech Republic, S Moravia, Mikulov, coll. V. Pešková

14. *Allium senescens* L.  
BG Bratislava / Slovakia, Malé Karpaty Mts., Horní Vrch

#### **ALOACEAE**

15. *Aloe bakeri* S. Elliot  
BG Heidelberg / Madagascar

16. *Aloe propagulifera* (Rauh et Razaf.) L. E. Newton et G. D. Rowley  
Razafindratsira / Madagascar

#### **APOCYNACEAE**

17. *Duvalia* sp.  
J. J. Halda / Lesotho, Oxbow

#### **ASPARAGACEAE**

18. *Asparagus madagascariensis* Baker  
BG Heidelberg / 103 209

19. *Asparagus officinalis* L.  
Czech Republic, S Moravia, Hustopeče, coll. V. Pešková

20. *Hosta sieboldiana* (Hook.) Engler  
BG Ofuna / Japan, Hakone, Sengokubara, alt. 600-800 m

#### **ASPHODELACEAE**

21. *Kniphofia burchellii* Kunth  
BG Praha-Trója / R. S. A.

22. *Kniphofia hirsuta* Codd.  
BG München / R. S. A., Drakensberg

23. *Kniphofia rooperii* Lem.  
BG Praha-Trója / Thomson and Morgan

#### **BERBERIDACEAE**

24. *Berberis aristata* DC.  
BG Berlin-Dahlem / India, Himachal Pradesh, Himalaya, Takrasi, alt. 3000 m

25. *Berberis concinna* Hook. f.  
Arboretum Nový Dvůr 0536-96-40 / Nepal, Helambu Gapte, alt. 3850 m

26. *Berberis diaphana* Maxim  
Arboretum Nový Dvůr / BG Shanghai / China, Gansu, Mt. Maiji, waterside,  
alt. 1600 m

27. *Berberis erythroclada* Ahrendt.

Arboretum Nový Dvůr / Nepal, Langtang NP, around Thare Pati,  
coll. 4.10. 1994 T. Peš

28. *Berberis erythroclada* Ahrendt.

Arboretum Nový Dvůr / Nepal, Langtang NP, shrubberies on pastures  
above Ghora Tabela, coll. 4.10. 1994 T. Peš

29. *Berberis koehneana* C. Schneider

Arboretum Nový Dvůr / BG Berlin-Dahlem / India, Himachal Pradesh, alt. 3300 m,  
coll. O. Polunin

30. *Berberis taliensis* C. Schneider

Arboretum Nový Dvůr / BG Ness / China, NW Yunnan, side valleys of Chien-  
Chuan-Mekong Divide, alt. 4000 m, coll. G. Forrest

### **BETULACEAE**

31. *Alnus incana* (L.) Moench *ssp. tenuifolia* (Nutt.) Breitung

Ames, Iowa State University / USA, Colorado

32. *Alnus maximowiczii* Callier ex C. K. Schneider

BG Tallin / Kurile Islands, Kunashir

33. *Alnus viridis* (Chaix) DC.

BG Paradisia / Italy, Valsavarenche, Pont, alt. 1900 m

34. *Betula alleghaniensis* Britton

Holden Arboretum Kirtland / USA, Ohio, Geauga Co., Holden Arboretum,  
Blythe Field, Stebbins Gulch edge

35. *Betula costata* Trautv.

Ames, Iowa State University / China

36. *Betula humilis* Schrenk.

Ames, Iowa State University / Mongolia

37. *Betula pubescens* Ehrh. *ssp. pubescens*

BG Oslo / Norway, Lillehammer, Fäberg, Rudsbygd, Korsrud, alt. 400 m

38. *Betula pumila* L.

BG East Lansing / USA, Michigan, Clinton Co., Rose Lake Fen

### **BROMELIACEAE**

39. *Tillandsia cf. fasciculata* Sw.

Guatemala, Santa Elena, coll. J. Haager

40. *Tillandsia schiedeana* Steud.

Mexico, Drarajo, coll. Krechovský

41. *Tillandsia turquinensis* K. Willinger et Michálek  
Arboretum Nový Dvůr / Cuba, Pico Turquino, coll. B. Vondruš

#### **CACTACEAE**

42. *Rhipsalis baccifera* (J. S. Miller) Stearn  
Madagascar, 150 km E of Antananarivo, forest, coll. J. Trávníček

43. *Rhipsalis baccifera* (J. S. Miller) Stearn *var. mauritiana* (DC.) Barthlott  
Pavelka / Madagascar, Fort Dauphin

#### **CAESALPINIACEAE**

44. *Schotia afra* (L.) Thunb. *var. angustifolia* (E. Mey.) Harv.  
Arboretum Nový Dvůr / BG Claremont / R. S. A., Kakamas Distr., 2820 DC

#### **CAMPANULACEAE**

45. *Jasione montana* L.  
BG Gent / France, Antazine, forest edge

46. *Platycodon grandiflorum* A. DC.  
BG Vladivostok / Russia, Reg. Primorski, Nezhinka River

#### **CAPRIFOLIACEAE**

47. *Leycesteria formosa* Wall.  
BG Berlin-Dahlem / Bhutan, Himalaya, Paro, alt. 3000 m

48. *Lonicera microphylla* Willd.  
BG Tharandt / BG Moscow / Russia, E Siberia 1993

49. *Lonicera microphylla* Willd.  
Arboretum Nový Dvůr / Russia, Tian-Shan Mts., Kirgizskij chrebet, Uzun-Gur,  
alt. 2500 m

50. *Viburnum acerifolium* L.  
Holden Arboretum Kirtland / USA, Ohio, Lace Co., Holden Arboretum,  
Upper Baldwin area, forest understorey

51. *Viburnum acerifolium* L.  
Zoo Toronto / Canada, Ontario, Middlesex Co., Mosa Tp., Skunk 's Misery,  
alt. 213 m

52. *Viburnum trilobum* Marsh.  
Zoo Toronto / Canada, Ontario, Middlesex Co., Mosa Tp., Skunk 's Misery

#### **CARYOPHYLLACEAE**

53. *Dianthus anatolicus* Boiss.  
BG Göttingen / Turkey, Reg. Izmir

54. *Dianthus arenarius* L.  
BG Marijampole / Latvia, Kazlu Rūda municipality, Kajakaraistis, on sand

55. *Dianthus imereticus* Schischk.  
BG München / Georgia, Reg. Imereti, Rioni valley, between Tvischi and Kutaisi,  
alt. 350 m

56. *Dianthus monspessulanus* L.  
BG Halle / Slovakia, Mošovce, Velká Fatra Mts.

57. *Dianthus pavonius* Tausch  
BG Halle / France, Phone Alps, Bessans

58. *Dianthus serotinus* Waldst. et Kit.  
Hungary, Kiskunság NP, sand dune Fülöphábeza, coll. 11.5. 2008 V. Pešková

59. *Dianthus subacaulis* Vill. *ssp. brachyanthus* P. Fourn.  
BG Innsbruck / Spain, Sierra Nevada, alt. 2000 m

60. *Gypsophila repens* L.  
Alpengarten Belvedere Wien / Austria, Niederösterreich, Ötscher, alt. 1856 m

61. *Lychnis viscaria* L.  
Czech Republic, W Bohemia, Hnačov, around pond, alt. 550 m

62. *Silene nutans* L.  
Czech Republic, W Bohemia, Rabštejn, valley of river Střela, alt. 420 m

63. *Silene nutans ssp. nutans* L.  
BG Nantes / France, Loire-Atlantique, Chateau-Thébaud, "Les Brosses"

64. *Silene suksdorfii* Robinson  
BG Graz / North American Rock Garden Society 2002

#### **CISTACEAE**

65. *Helianthemum nummularium* (L.) Miller *ssp. grandiflorum* (Scop.) Hayek  
BG Rezia / Italy, Grosio, alt. 700-900 m

66. *Helianthemum nummularium* (L.) Miller *ssp. grandiflorum* (Scop.) Hayek  
BG Rezia / Italy, Oga-Valdisotto, alt. 1400-1500 m

67. *Helianthemum nummularium* (L.) Mill. *ssp. obscurum* (Pers. ex Čelak.) Holub  
Paradisio Alpine Garden / Italy, Arpuilles, A. Met Frassy, alt. 1850 m

#### **COMPOSITAE**

68. *Achillea biserrata* M. Bieb.  
BG München / Georgia, Khachetia, Lagodechi NP

69. *Achillea millefolium* L.  
Czech Republic, W Bohemia, Plzeň, Radčice, dry meadow, alt. 350 m

70. *Anthemis tinctoria* L.  
BG Göttingen / Germany, Göttingen, Lenglern

71. *Arnica montana* L.  
Czech Republic, W Bohemia, Šumava Mts., Špičák, ski slope, alt. 910 m
72. *Aster foliaceus* Lindl. ex DC. var. *cusickii* (A. Gray) Cronquist  
BG Berlin-Dahlem / Canada, British Columbia, Peace River Distr.
73. *Berkheya purpurea* (DC.) Mast.  
BG München / R. S. A., Drakensberg
74. *Centaurea arenaria* Willd.  
Hungary, Kiskunság NP, sand dune Fülöphábeza, coll. 11.5. 2008 V. Pešková
75. *Cicerbita alpina* (L.) Wallr.  
Czech Republic, W Bohemia, Šumava Mts., Prášíly, surroundings of touristic path to Prášílské jezero lake, alt. 1005 m
76. *Cirsium pannonicum* (L.f.) Link  
BG of the Fakulty of Science Praha
77. *Gaillardia aristata* Pursh.  
BG Praha-Trója / USA, New Mexico, alt. 1730 m, 2005
78. *Gazania nivea* Less.  
BG Bayreuth
79. *Haplopappus lyallii* A. Gray  
BG Leisnig / USA, Washington, Olympic Mts.
80. *Helichrysum arenarium* (L.) Moench.  
Czech Republic, S Moravia, Bzenec, sand
81. *Homogyne alpina* (L.) Cass.  
Czech Republic, W Bohemia, Šumava Mts., Prášíly, surroundings of touristic path to Prášílské jezero lake, alt. 950 m
82. *Inula verbascifolia* (Wild.) Hausskn.  
Croatia, Pelješac, Potočine, 2 km from Potomje, alt. 50 m,  
coll. 20.7. 2009 J. Trávníček
83. *Solidago canadensis* L.  
BG East Lansing / USA, Michigan, Ingham Co., Legg Park Parking Lot, forest edge
84. *Solidago flexicaulis* L.  
BG East Lansing / USA, Michigan, Ingham Co., Baker Woodlot, mesic southern forest
85. *Solidago nemoralis* Ait.  
BG East Lansing / USA, Michigan, Legg Park Oak Ridge, dry-mesic southern forest

86. *Tanacetum vulgare* L.  
Czech Republic, W Bohemia, Plzeň, Radčice, dry meadow, alt. 350 m

87. *Verbesina alternifolia* (L.) Britten.  
BG East Lansing / USA, Michigan, River Raisin Fen, southern fen

88. *Verbesina alternifolia* (L.) Britten.  
BG Tübingen / USA 1998

#### **CORNACEAE**

89. *Cornus rugosa* Lam.  
Zoo Toronto / Canada, Highland Creek valley, upland mixed forest, alt. 138 m

#### **CORYLACEAE**

90. *Carpinus caroliniana* Walt.  
Holden Arboretum Kirtland / USA, Ohio, Lake Co., Upper Baldwin area, 1999

91. *Carpinus japonica* Bl.  
BG Ofuna / Japan, Atsugi, Nanasawa-hill, alt. 150-170m

92. *Ostrya virginiana* (Mill.) K. Koch  
Zoo Toronto / Canada, Ontario, Essex Co., Pelee Tp., Pelee Island, savannah

#### **CRASSULACEAE**

93. *Crassula* sp.  
R. S. A., Okip, coll. P. Svoboda

94. *Dudleya farinosa* (Lindl.) Britt.  
BG Praha-Trója / USA, California, Humboldt Co., NW of Arcata Patrick's Point State Park

95. *Jovibarba sobolifera* Opiz  
Czech Republic, S Moravia, Mikulov, coll. V. Pešková

96. *Hylotelephium maximum* (L.) Holub  
BG Oslo / Norway, Oslo, Lindoya

97. *Rhodiola rosea* L.  
BG Hokkaido / Japan, Hokkaido, Rebun-machi, Rebun-gun

98. *Sedum album* L.  
Bulgaria, Rila monastery, coll. J. Trávníček 2005

99. *Sedum* cf. *reflexum* L.  
Croatia, JW Pelješac, rock above Orebič, alt. 1000 m, coll. 20.8.2008 J. Trávníček

100. *Sedum rupestre* L.  
BG Lund / Sweden, Gotland, Fleringe

101. *Sedum rupestre* L.  
Bulgaria, Trigram, alt. 1300 m, coll. J. Trávníček 2005

102. *Sedum takesimense* Nakai  
BG Pyung Gang / Korea, Ullung-do, alt. 980 m

103. *Sempervivum artvinense* Muirhead  
BG Berlin-Dahlem / Turkey, Prov. Rize, Sivrikaya Yaila, silicate, alt. 2600 m

104. *Sempervivum tectorum* L.  
Czech Republic, S Moravia, Siroťčí hrad, limestone

105. *Sempervivum wulfenii* Hoppe ex Koch  
BG Berlin-Dahlem / Austria, Osttirol, Venediger-Gruppe, silicate

#### **CRUCIFERAE**

106. *Cardamine amara* L.  
Czech Republic, W Bohemia, Tachov, Černý rybník, bog

107. *Erysimum wheeleri* Rothr.  
BG Innsbruck / USA, Arizona

#### **CUPRESSACEAE**

108. *Juniperus virginiana* L.  
Arboretum New Jersey / USA, New Jersey, Monmouth Co.

109. *Juniperus virginiana* L. var. *virginiana*  
Arboretum Nový Dvůr / BG Montreal / Canada, open xeric forest or pine forest

#### **CYPERACEAE**

110. *Carex acuta* L.  
Institute of Botany Třeboň / Czech Republic, S Bohemia, Třeboň, Svět pond

111. *Carex acutiformis* Ehrh.  
Institute of Botany Třeboň / Czech Republic, S Moravia, Mikulov, Hlohovec, margin of Hlohovecký pond

112. *Carex atosquama* Mack.  
BG Göttingen / USA, Montana, Kootenai, Bluebird Lake, alt. 1600 m

113. *Carex berggrenii* Petrie  
BG Praha-Trója

114. *Carex capillacea* Boott  
Palmengarten Frankfurt / New Zealand

115. *Carex cf. atrata* L.  
BG Brno / Sikkim, western part, Summit Lake, alt. 3900 m

116. *Carex dallii* Kirk  
Palmengarten Frankfurt / BG Liverpool / New Zealand, S-Island, W of Fox Glacier  
Township, Gillespie
117. *Carex duthiei* C. B. Clarke in J. D. Hooker  
BG Göttingen / China, S-Tibet
118. *Carex echinata* Murray  
Czech Republic, W Bohemia, Tachov, Černý rybník, bog
119. *Carex flava* L.  
Czech Republic, W Bohemia, Hnačov, around pond, alt. 550 m
120. *Carex fuscua* L. var. *distenta* (Kunze ex Kunth) Kük  
BG Göttingen / RA, El Bolson, Mallin Ahogado, prov. Rio Negro
121. *Carex muricata* L.  
Arboretum Boleszasyce / Poland, Pogórze Przemyskie, Dybawka
122. *Carex neurocarpa* Maxim.  
BG Kobenhavn / Russia, Khabarovsk, Petropavlovka
123. *Carex nigra* (L.) Reichard  
Czech Republic, W Bohemia, Klatovy, Křížovice, bog, alt. 620 m
124. *Carex panicea* L.  
Czech Republic, W Bohemia, Klatovy, Křížovice, bog, alt. 620 m
125. *Carex podocarpa* R. Br.  
BG Göttingen / USA, Montana, Glacier National Park
126. *Carex pulicaris* L.  
Czech Republic, W Bohemia, Tachov, Pavlův Studenec, Studenecký potok stream,  
alt. 690 m
127. *Carex vesicaria* L.  
Czech Republic, W Bohemia, Klatovy, Křížovice, bog, alt. 620 m
128. *Cyperus macrocarpus* (Kunth) Boeckeler  
BG Gent / Congo
129. *Cyperus* sp.  
R. S. A., Tsitsikama Forest, coll. 20.3. 2004 J. Pešová
130. *Eriophorum angustifolium* Honck.  
Czech Republic, W Bohemia, Klatovy, Křížovice, bog, alt. 620 m
131. *Eriophorum vaginatum* L.  
Czech Republic, W Bohemia, Nejdek, around NR Oceán, moor, alt. 900 m

### DIPSACACEAE

132. *Scabiosa georgica* Sulak.

BG München / Georgia, Reg. Khevi, Grusinian Military Highway, near Cross Pass, alt. 1750 m

### ERICACEAE

133. *Rhododendron canadense* (L.) Torr.

BG Stockholm / USA, Maine

134. *Rhododendron racemosum* Franch.

Arboretum Nový Dvůr / BG Göttingen / China, Yunnan, alt. 3600 m

135. *Rhododendron ponticum* L.

BG Berlin-Dahlem / Turkey, Prov. Artvin, S Hopa, coll. H. Ern

136. *Vaccinium uliginosum* L.

Czech Republic, W Bohemia, Nejdek, around NR Oceán, moor, alt. 900 m

### FABACEAE

137. *Crotalaria grahamiana* Wight & Arn.

Madagascar, Mantadia NP, coll. 14.11. 2005 J. Kaňáková

138. *Dorycnium pentaphyllum* Scop. ssp. *herbaceum* (Vill.) Rouy

BG Siena / Italy, Suvignano, Vescovado di Murlo, alt. 170 m

### GERANIACEAE

139. *Pelargonium australe* Willd.

BG Monster / Australia, NSW, Central Coast

140. *Pelargonium vitifolium* L'Hér.

BG Münster / Fischer-Hillsheid / R. S. A., Jonkershoek

### GLOBULARIACEAE

141. *Globularia cordifolia* L.

Slovenia, Julian Alps, Krn Lake

### GRAMINAE

142. *Andropogon gerardii* Vitm.

BG East Lansing / USA, Michigan, Crawford Co., Camp Grayling Bald Hill Truck Trail Burn, dry northern forest

143. *Anemanthele lessoniana* (Steud.) Veldkamp

Rezl

144. *Briza media* L.

Czech Republic, W Bohemia, Šumava Mts., Prášíly, surroundings of touristic path to Prášílské jezero lake, alt. 950 m

145. *Bromus arizonicus* (Shear) Stebbins

BG Berlin-Dahlem / USA, California, San Bernardino Co., Cucamonga

146. *Corynephorus canescens* Beauv.  
BG Nantes / France, Vendée, Talmont St. Hilaire, "La Guittiere"
147. *Danthonia spicata* (L.) P. Beauv. ex Roem. et Schult.  
BG East Lansing / USA, Michigan, Manistee Co., private property near Wellston, oak-pine barrens
148. *Festuca mairei* St.-Yves  
Rezl / Marocco, Atlas Mts.
149. *Festuca ovina* L.  
Czech Republic, W Bohemia, Hnačov, around pond, alt. 550 m
150. *Holcus rigidus* Hochst.  
BG Oslo / Azores, Sao Miguel, Lagoa do Fogo
151. *Hystrix patula* Moench  
BG East Lansing / USA, Michigan, Ingham Co., mesic southern forest, Sanford Woodlot
152. *Koeleria glauca* (Schradler) DC.  
Hungary, Kiskunság NP, sand dune Fülöpháza, coll. 11.5. 2008 V. Pešková
153. *Melica hyalina* Döll  
BG Olomouc / Chile, Province Concepción, meadow
154. *Miscanthus sinensis* Andersson  
BG Berlin-Dahlem / China, Prov. Liaoning, N Kuandian City, Mt. Baishilazhi, Futange, alt. 910 m
155. *Molinia caerulea* Moench  
Czech Republic, W Bohemia, Louňová, wetland, alt. 670 m
156. *Nardus stricta* L.  
Czech Republic, W Bohemia, Hnačov, around pond, alt. 550 m
157. *Notodanthonia buchananii* (Hook.f.) Zotov  
BG Copenhagen / New Zealand, Canterbury
158. *Pennisetum cf. purpureum* Schum.  
R. S. A., Loskop Dam, 50 km N of Witbank, Transvaal, alt. 1000 m, coll. J. Trávníček
159. *Sieglingia decumbens* Bernh.  
Czech Republic, W Bohemia, Tachov, Pavlův Studenec, Studenecký potok stream, alt. 690 m
160. *Sporobolus heterolepis* A. Gray  
Rezl / USA

161. *Stipa borystenica* Klokov ex Prokudin in Wulf.  
Hungary, Kiskunság NP, sand dune Fülöpháza, coll. 11.5. 2008 V. Pešková

162. *Stipa capillata* L.  
Ukraine, steppe, coll. Y. Doležalová

163. *Stipa cf. tenuissima* Trin.  
BG Praha-Trója / USA, Texas, alt. 2000 m

164. *Stipa neaei* Nees ex Steud.  
BG Bonn

165. *Stipa nelsonii* Scribn.  
BG Kobenhavn / Canada, Alberta, Jasper NP

166. *Stipa tenuissima* Trin.  
BG Berlin-Dahlem / Argentina, Mendoza, Dpto. Tunuyán, El Manzano, silicate,  
alt. 1750 m

#### **HAEMODORACEAE**

167. *Wachendorfia thyrsoiflora* L.  
R. S. A., Tsitsikama Forest, coll. J. Pešová

#### **HYACINTHACEAE**

168. *Ornithogalum caudatum* Aiton  
R. S. A., 10 km N of Port Elizabeth, coll. J. Trávníček

#### **HYDRANGEACEAE**

169. *Deutzia gracilis* Sieb. et Zucc.  
BG Ofuna / Japan, Nakagawa, Yamakita, Tanzawa, alt. 650-900 m

170. *Philadelphus tenuifolius* Rupr.  
Arboretum Chollipo / Korea, Mt. Chiri, Cholla Pukdo, alt. 540 m

#### **CHENOPODIACEAE**

171. *Chenopodium capitatum* Asch.  
BG Halle / USA, Colorado, Estes Park

172. Indet. spec.  
Yemen, Wadi Dhar, coll. J. Haager

#### **IRIDACEAE**

173. *Iris hookeri* G. Don.  
Plocar

174. *Iris sibirica* L.  
Czech Republic, W Bohemia, Louňová, wetland, alt. 670 m

175. *Iris sibirica* L.

Institute of Botany Třeboň / Czech Republic, S Bohemia, Třeboň, Jílovice, alluvium of river Stropnice

176. *Gladiolus byzantinus* Mill.

Lukon Bulbs

#### **JUNCACEAE**

177. *Luzula purpureosplendens* Seub.

BG Oslo / Azores, Pico, alt. 1000 m, coll. 24. 9. 2004

#### **LABIATAE**

178. *Betonica officinalis* L.

Czech Republic, W Bohemia, Louňová, wetland, alt. 670 m

179. *Lycopus europaeus* L.

Czech Republic, W Bohemia, Tachov, Horní Hraničský rybník pond, bog near Hranička

180. *Monarda fistulosa* L.

BG East Lansing / USA, Michigan, Clinton Co., Rose Lake Fen 2-track North, disturbed southern shrub-carr

181. *Pycnanthemum virginianum* (L.) B. L. Rob. et Fernald

BG East Lansing / USA, Michigan, Clinton Co., Prairie Fen, Rose Lake Fen

#### **LEGUMINOSAE**

182. *Robinia hispida* L.

Ames, Iowa State University / USA, New York

183. *Robinia viscosa* Vent. var. *hartvegii* (Koehe) Ashe

Arboretum Nový Dvůr / Ames, Iowa State University / USA, North Carolina

184. *Trifolium alpestre* L.

BG Dijón

185. *Trifolium rubens* L.

Slovenia, Struntjan, coll. V. Pešková

186. *Trifolium trichocephalum* Bieb.

BG München / Georgia, Reg. Khevi, between Gergeti and Sameba Gergeti church, alt. 1950-2200 m

#### **LAURACEAE**

187. *Lindera benzoin* Blume

Holden Arboretum Kirtland / USA, Ohio, Lake Co., Holden Arboretum Firman Nursery

**LILIACEAE**

188. *Anthericum ramosum* Steud.

BG Osnabrück / Switzerland, Pottenstein, alt. 420 m

189. *Hemerocallis dumortieri* ssp. *middendorffii* (Trautv. et C. A. Mey.) Vorosch

BG Tarfu / Russia, Sichote-Alin Mts., Udomi, 1989

190. *Hemerocallis thunbergii* Baker

BG Pyung Gang / Korea, Jeju-do

191. *Trillium cernuum* L.

Obdržálek

**LINACEAE**

192. *Linum austriacum* L.

Ukraine, steppe, coll. Y. Doležalová

**MIMOSACEAE**

193. *Acacia karroo* Hayne

BG München

**MYRTACEAE**

194. *Callistemon* sp.

Australia, NSW, Wollemi NP, 100 km NW of Sydney, alt. 950 m, coll. J. Trávníček

**OLEACEAE**

195. *Ligustrum tschonoskii* Decne.

BG Tallinn / Russia, Sachalin, Mt. Chekhov, 1961

**ONAGRACEAE**

196. *Oenothera magellanica* Phil.

BG Copenhagen / Argentina, Santa Cruz, NP Los Glaciers, 1988

**PAPAVERACEAE**

197. *Papaver popovii* Sipl.

BG Göteborg / Kyrgyzstan, Severnyi Pamir, alt. 3600 m

**PHYLLANTHACEAE**

198. *Phyllanthus* sp.

Madagascar, Montagne des Francais, Hotel King 's Lodge,  
coll. 22.10. 2005 J. Kaňáková

**PHORMIACEAE**

199. *Dianella nigra* Colenso

BG Praha-Trója

200. *Dianella* sp.

Australia, Queensland, Cairns, 350 km N of Townsville, coast, alt. 150 m,  
coll. J. Trávníček

### **PINACEAE**

201. *Abies koreana* E. H. Will. f. *nigrocarpa* Hatus.  
Arboretum Nový Dvůr / South Korea, Jeju-do, Mt. Halla

### **PLANTAGINACEAE**

202. *Plantago aristata* Michx.  
BG Tübingen / USA, Oklahoma

203. *Plantago gunnii* Hook. f.  
BG Nürnberg / BG Jena

204. *Plantago maritima* L.  
BG Oulu / Finland, Oulun Pohjanmaa, Hailuoto, alt. 2 m

205. *Plantago raoulii* Decne  
BG Mainz

### **PLUMBAGINACEAE**

206. *Armeria alpina* Willd.  
Alpengarten Belvedere Wien / Austria, Niederösterreich, Schneeberg,  
alt. 1800-2050 m

207. *Armeria maritima* Willd. ssp. *andina* (Poepp. ex Boiss.) D. M. Moore et  
H. O. Yates  
BG München / RA, Prov. Santa Cruz, Dep. Lago Argentino, Calafate South side,  
alt. 230 m

208. *Armeria vulgaris* Willd.  
BG Salaspils / Lithuania, Ogre

### **POLYGONACEAE**

209. *Rheum tibeticum* Maxim. ex Hook. f.  
BG Berlin-Dahlem / Pakistan, NW Prov. Swat Division, Ushu Tal, coll. H. Ern

### **PORTULACACEAE**

210. *Anacampseros* sp.  
R. S. A., Okip, coll. P. Svoboda

### **PRIMULACEAE**

211. *Lysimachia minoricensis* J. J. Rodr.  
BG Berlin-Dahlem / Balearic Islands, Menorca

### **RANUNCULACEAE**

212. *Actaea rubra* (Aiton) Willd.  
Obdržálek

213. *Actaea rubra* (Aiton) Willd. f. *neglecta*  
Obdržálek

214. *Actaea rubra* ssp. *arguta* (Nutt.) Hultén  
Obdržálek
215. *Anemone sylvestris* L.  
Czech Republic, W Bohemia, Velké Hydčice, Radvanka hill, deciduous forest,  
limestone, alt. 550 m
216. *Aquilegia barnebyi* Munz  
BG Reykjavík / USA, Colorado, Rio Blanco Co., alt. 2256 m
217. *Aquilegia caerulea* James var. *ochroleuca* Hook.  
BG Reykjavík / USA, Utah, Garfield Co., alt. 2622 m
218. *Aquilegia canadensis* L.  
BG Graz / USA, Ohio, Athens, Old Man's Cave, coll. F. Steffan 2002
219. *Aquilegia formosa* Fisch.  
BG Reykjavík / USA, Hatcher Pass, alt. 670 m
220. *Aquilegia glandulosa* Miq.  
BG Reykjavík / BG Krasnojarsk / Russia, Prov. Krasnojarsk, Distr. Ermakovskoe
221. *Aquilegia laramiensis* A. Nelson  
BG Reykjavík / USA, Wyoming, Albany Co., alt. 2226 m
222. *Aquilegia olympica* Boiss.  
BG München / Georgia, Reg. Khevi, near Devdoraki, alt. 1800-2000 m
223. *Aquilegia viridiflora* Pall.  
BG Göteborg / Mongolia, Dongovi aimag, Adaatsag sum, Takhilga Uul, Agutiin Am,  
alt. 1500-1700 m
224. *Caltha palustris* L.  
Czech Republic, W Bohemia, Klatovy, Křížovice, bog, alt. 620 m
225. *Caltha palustris* L.  
Czech Republic, W Bohemia, Rokycany, Borek, bog, alt. 410 m
226. *Clematis alpina* (L.) Miller  
BG Warszawa / Poland, Tatra Mts., Giewont
227. *Pulsatilla albana* (Stev.) Bercht. et J. Presl  
Horák / Turkey, alt. 2500 m
228. *Ranunculus acris* L.  
Czech Republic, W Bohemia, Louňová, wetland, alt. 670 m
229. *Sanguisorba officinalis* L.  
Czech Republic, S Moravia, Siroťčí hrad, limestone

230. *Trollius altissimus* Crantz  
Czech Republic, W Bohemia, Louňová, wetland, alt. 670 m

231. *Xanthorhiza simplicissima* Marshall  
Esveld, Boskoop, Holland

### ROSACEAE

232. *Acaena buchananii* Hook. f.  
Arboretum Nový Dvůr / BG Meise / New Zealand

233. *Acaena novae-zelandiae* Kirk  
BG Brno

234. *Acaena* sp.  
BG Göttingen / Argentina, Mallin Ahogado, Prov. Rio Negro

235. *Aronia prunifolia* (Marsh.) Rehder  
Morton Arboretum / Michigan, Berrien Co., north side of Michigan Welcome Station on east side of I-94 Michigan-Indiana state line, edge of wood, alt. 228 m

236. *Comarum palustre* L.  
Czech Republic, W Bohemia, Klatovy, Křížovice, bog, alt. 620 m

237. *Cotoneaster acuminatus* Lindl.  
BG Berlin-Dahlem / India, Himachal Pradesh, Himalaya, Jalory-Pass, alt. 3300 m

238. *Cotoneaster acutifolius* Turcz.  
BG Shanghai / China, Gansu Province, Mt. Maiji, alt. 1000-1600 m

239. *Cotoneaster ascendens* Flick et Hylmö  
Arboretum Nový Dvůr / BG Ness / China, Hunan

240. *Cotoneaster astrophoros* J. Fryer et E. C. Nelson  
Arboretum Nový Dvůr / BG Dublin / China, Yunnan, Tse-Tsun

241. *Cotoneaster bradyi* E. Nelson et J Fryer  
Arboretum Nový Dvůr / China, SW Sikang

242. *Cotoneaster atropurpureus* K. E. Flinck et Hylmö  
Arboretum Nový Dvůr / Alnarp / China, W Hupeh

243. *Cotoneaster buxifolius* Wallich  
BG Strasbourg / J. Fryer / India, Nillgiri Hills (Nestlé)

244. *Cotoneaster cashmirensis* Klotz  
Arboretum Nový Dvůr / BG Ness / Nepal, Dhorpatan, alt. 2800 m

245. *Cotoneaster* cf. *integrifolius* (Roxb.) Klotz  
Arboretum Nový Dvůr / Nepal, Langtang NP, near road Singompa-Cholang Pati, alt. 3450 m, coll. 8.10. 1994 T. Peš

246. *Cotoneaster daliensis* Fryer et Hylmö  
BG Strasbourg / BG Ness / China, Yunnan, Dali, Tsang Shan, road to Longquan Peak, alt. 3500 m
247. *Cotoneaster fangianus* Yü  
BG Strasbourg / J. Fryer / Wilson 331
248. *Cotoneaster fastigiatus* Fryer et Hylmö  
BG Strasbourg / B. Hylmö / China, Sichuan, Tacmiela, Harry Smith 9159
249. *Cotoneaster franchetii* Boiss.  
BG Vácrátót / China
250. *Cotoneaster frigidus* Wallich ex Lindley  
Arboretum Nový Dvůr / BG Berlin-Dahlem / Nepal
251. *Cotoneaster ganghobaensis* Fryer et Hylmö  
BG Strasbourg / B. Hylmö / China, Yunnan, Gang-Ho-Ba, Brickell et Leslie
252. *Cotoneaster genitianus* Hurusawa  
BG Strasbourg / BG Brno 1992
253. *Cotoneaster hypocarpus* Fryer et Hylmö  
BG Strasbourg / J. Fryer / China, Yunnan, Yulong Shan
254. *Cotoneaster chungtiensis* Fryer et Hylmö  
BG Strasbourg / J. Fryer / China, Yunnan, Zhongdian, Yu
255. *Cotoneaster kweitschoviensis* Klotz  
Arboretum Nový Dvůr / BG Jena / China, Guizhou
256. *Cotoneaster lidjiangensis* Klotz  
Arboretum Nový Dvůr / BG Dublin 1939.004501 RB
257. *Cotoneaster lomahunensis* Fryer et Hylmö  
BG Strasbourg / J. Fryer / China, Yunnan, Zhongdian
258. *Cotoneaster procumbens* Klotz  
Arboretum Nový Dvůr / BG Ness / India, Himachal Province, Simla to Kulu Valley, Karang
259. *Cotoneaster qungbixiensis* Fryer et Hylmö  
BG Strasbourg / J. Fryer / China, Yunnan, Cang Shan
260. *Cotoneaster* sp.  
Arboretum Nový Dvůr / BG Ness / China, Yunnan, Lijiang, Yulong Shan, Gang-Ho-Ba, alt. 3200 m
261. *Cotoneaster* sp.  
Arboretum Nový Dvůr / BG Ness / Wilson 232

262. *Cotoneaster* sp.  
Arboretum Nový Dvůr / BG Ness / Central Nepal, Gosainkund, Singompa,  
C et M 22
263. *Cotoneaster* sp.  
Arboretum Nový Dvůr / BG Ness / Roy Lancaster, L 680
264. *Cotoneaster splendens* Flinck et Hylmo  
Arboretum Nový Dvůr / China, Sikiang, Kangting, Harry Smith 34, 12925
265. *Cotoneaster vandelaari* Fryer et Hylmö  
BG Strasbourg / BG Wageningen / China, Yunnan, Hua-Hong, above 2000 m
266. *Filipendula ulmaria* (L.) Maxim.  
Czech Republic, W Bohemia, Tachov, Horní Hraničský rybník pond, bog near  
Hranička
267. *Filipendula vulgaris* Moench  
BG Greifswald / W Sibiria, Barnaul forest steppe
268. *Geum magellanicum* Pers.  
BG München / Argentina, Prov. Santa Cruz, Lago Argentino, Calafate, Peninsula  
Marellanes, S-side
269. *Geum magellanicum* Pers.  
BG Göteborg / Argentina, Tierra del Fuego, Glacier de Moreno
270. *Holodiscus discolor* (Pursh) Maxim.  
BG Santa Barbara / USA, California, San Luis Obispo Co., Montana de Oro State  
Park, Coon Creek Trail
271. *Physocarpus capitatus* Kuntze  
Arboretum Nový Dvůr / USA, Oregon, Lewis Co., Toutle River
272. *Physocarpus opulifolius* (L.) Maxim.  
BG East Lansing / USA, Michigan, Midland, Burrow 's Borrow Pit
273. *Potentilla arguta* Pursh  
BG Kobenhavn / Canada, British Columbia
274. *Potentilla breweri* Wats.  
Plocar / USA
275. *Potentilla pamirica* Th. Wolf  
BG Paris / Pamir Mts., Czeckekty
276. *Potentilla glandulosa* Lindl.  
BG Graz / BG Kobenhavn / USA, Idaho, Rocky Mts.

277. *Prunus cerasifera* Ehrh. ssp. *divaricata* (Ledeb) Schneid  
Arboretum Nový Dvůr / Tian-Shan Mts.
278. *Rosa chionistrae* Lindgerb  
BG Nice / Cyprus, Madhari, Roches Ignées
279. *Rosa maximowicziana* Regel  
BG Tallin / Russia, Shamora, 1980
280. *Rosa palustris* Marsh.  
BG Michigan / USA, Michigan, Clinton Co., Rose Lake Fen, Prairie Fen, alt. 256 m
281. *Rosa sericea* Lindl.  
BG Berlin-Dahlem / Nepal, N Annapurna, Muktinath, alt. 3800 m
282. *Rosa virginiana* Mill.  
Arboretum Nový Dvůr / Washington Park Arboretum / USA
283. *Sorbaria sorbifolia* (L.) A. Br.  
Ames, Iowa State University / South Korea, Kangwon
284. *Spiraea alba* Du Roi  
Ames, Iowa State University / USA, Michigan
285. *Spiraea betulifolia* Pall.  
BG St. Peterburg / Russia, Sakhalin, Kipyasche
286. *Spiraea betulifolia* Pall.  
BG Vladivostok / Russia, Livadiyskaya Mt., alt. 1332 m
287. *Spiraea betulifolia* Pall. var. *corymbosa* (Raf.) Maxim.  
Ames, Iowa State University / USA, Virginia, Ames 24148
288. *Spiraea blumei* D. Don  
BG Pyung Gang / Korea, Mt. Hwaak, alt. 1468 m
289. *Spiraea cf. canescens* D. Don  
Arboretum Nový Dvůr / Nepal, Langtang NP, near road Kalikhastan - Dhunche,  
edge of evergreen broadleaved forest, alt. 1850 m, coll. 1.10. 1994 T. Peš
290. *Spiraea hayatana* H. L. Li  
Taiwan, Hualien Co., Hohuanshan Mt., coll. R. Buzinský
291. *Spiraea hypoleuca* Dunn  
Arboretum Nový Dvůr / Nepal, Langtang NP, shrubberies on pastures below Ghora  
Tabela, alt. 2900 m, coll. 4.10. 1994 T. Peš
292. *Spiraea japonica* L. f.  
BG Greiswald / Japan, Hakone, Mt. Myojo

293. *Spiraea miyabei* Koidzumi  
Ames, Iowa State University / South Korea, Ames

294. *Spiraea miyabei* Koidzumi  
BG Pyung Gang / Korea, Pochon, Kangnung Arboretum

295. *Spiraea pubescens* Turcz.  
BG Vácrátót / China

296. *Spiraea stevenii* Rydberg.  
Iowa State University / Russia

#### **RUBIACEAE**

297. *Cephalanthus occidentalis* L.  
BG East Lansing / USA, Michigan, Midland, West Side Cemetery

#### **RUTACEAE**

298. *Ptelea baldwinii* Torr. et A. Gray  
Arboretum Nový Dvůr

#### **SAXIFRAGACEAE**

299. *Astilbe chinensis* (Maxim.) Franch. et Sav.  
BG Kobenhavn / Russia, Khabarovsk, Vyasemskiy

300. *Astilbe thunbergii* (Sieb. et Zucc.) Miq. var. *fujisanensis* (Nakai) Ohwi  
BG Ofuna / Japan, Sengokubara, alt. 600-800 m

301. *Bergenia crassifolia* (L.) Fritsch  
BG Kirovsk / Russia, Altaj trans Novosibirsk

#### **SCROPHULARIACEAE**

302. *Gratiola officinalis* L.  
Institute of Botany Třeboň / Czech Republic, S Moravia, Břeclav, Lanžhot, flood meadow

303. *Linaria vulgaris* Mill.  
Czech Republic, W Bohemia, Plzeň, Radčice, dry meadow, alt. 350 m

304. *Penstemon fruticosus* (Pursh) Greene  
Washington Park Arboretum / USA, Oregon, Hood River Co., Mount Hood National Forest, Robinhood Campground, WPA 00-22

305. *Penstemon grandiflorus* Nutt.  
Plocar / USA

306. *Penstemon heterophyllus* var. *australis* Munz et I. M. Johnston  
BG München / USA, California, Los Angeles Co., San Gabriel Mts., Forest Service road 2N07 to Sunset Ridge from W

307. *Penstemon whippleanus* Gray  
BG Reykjavik / USA, New Mexico, Bernalillo Co., alt. 3500 m

308. *Verbascum blattaria* L.  
BG Nantes / France, Maine-et-Loire, Liré, "Les Fourneaux"

309. *Verbascum phoeniceum* L.  
Czech Republic, S Moravia, Bzenec, sand

310. *Veronica gentianooides* Vahl.  
BG Reykjavik / Russia, Central Caucasus, Reg. Elbrus, Ullu Tau, Kolavganaush R.,  
alt. 2400 m

#### **STAPHYLEACEAE**

311. *Staphylea colchica* Stev.  
BG Bonn / Russia, Reg. Sotchi, in the surrounding of Sotchi, alt. 400 m,  
coll. T. Paulus

312. *Staphylea trifolia* L.  
BG Michigan / USA, Michigan, Ingham Co., mesic southern forest, Sanford  
Woodlot, alt. 253 m

#### **TYPHACEAE**

313. *Sparganium emersum* Rehm.  
Czech Republic, W Bohemia, 7 km SW of Lnáře, ponds near Kadov,  
coll. J. Trávníček 17.8. 2008

314. *Sparganium emersum* Rehm.  
Institute of Botany Třeboň / Czech Republic, S Bohemia, Třeboň, drain ducts  
around Třeboň

#### **UMBELLIFERAE**

315. *Meum athamanticum* Jacq.  
Czech Republic, W Bohemia, Klatovy

#### **VALERIANACEAE**

316. *Valeriana alliariifolia* Adams  
BG München / Georgia, Reg. Ratscha, Mamisoni pass

**DESIDERATA**

Please, return order before 30th April 2010.

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Your Address :

Send to :

Zoological and Botanical Garden of the Town Plzen  
Pod Vinicemi 9  
301 16 Plzen  
Czech Republic

e-mail: [kanakovaj@plzen.eu](mailto:kanakovaj@plzen.eu)

