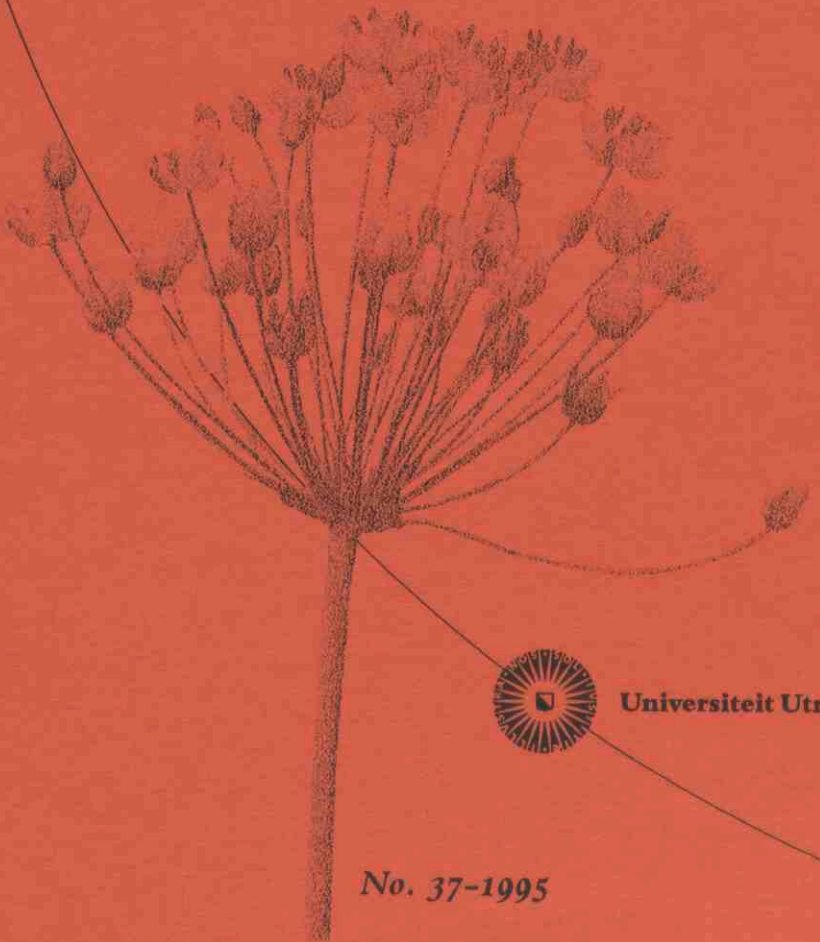
Index seminum

Index Seminum

Utrecht University

Botanic Gardens

The Netherlands



Universiteit Utrecht

No. 37-1995

Utrecht University Botanic Gardens

P.O. Box 80.162
3508 TD Utrecht
The Netherlands

Index Seminum No. 37 - 1995

Notes on ordering:

Correspondents are asked to use the order-form provided, and send it to the address mentioned upon it. Furthermore, they should check with their own authorities concerning import-regulations and include any necessary permits with their order.

Only requests reaching us before **March 1, 1996** will be handled in sequence of entry. **Order-forms which will reach us after that date will not be handled!** Our Fax no. is .. 31 30 2535177

Staff: **General Department**:

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Regional office of Botanic Gardens Conservation International
at Utrecht University Botanic Gardens

The gardens are located at:

- Utrecht: Fort Hoofddijk (University Centre)
- Doorn: Von Gimborn Arboretum

Situation and climate:

Geographical position of the Main Garden ..... 52° 06' N : 5°11' E
Altitude ..... 2 m above sea level

Mean daily minimum of the coldest month ..... - 0,6°C
Mean daily maximum of the warmest month ..... + 21,6C°

Highest temperature ..... + 36,8°C *
Lowest temperature ..... - 24,8°C *

Average rainfall ..... 803 mm

*Monitored since 1849

Introduction

With the presentation of this Index Seminum No. 37-1995 we take the opportunity, as usual, to inform you on the latest developments concerning the Botanic Gardens of Utrecht University.

Last year we have had the official start of the Dutch Regional Office BGCI, established and located at our Gardens. This conservation-unit has two major activities. First the development of a Dutch section of the International Plant Charter Group (a business support group) and the development of concrete conservation projects. In January 1995 a major step was set by signing the deed of purchase for the first project, namely the Trésor Project. This concerns the purchase of 2.400 ha of rainforest and wet savanna in French Guiana. This future nature reserve is located about 40 km. south of the capital Cayenne. For more information we invite you to read an article on this project in the B.G.C.-News, Vol.2 (5) August 1995.

In February we started a discussion list concerning Rock Garden and Alpine Plants at Surfnet (Internet). This is done in cooperation with Harry Dewey from Beltsville USA.
For more information contact: *E.J.Gouda@cc.ruu.nl*

In April we have had the pleasure to organize a congress and an international exhibition with the N.R.W., The Dutch Rock Garden Society. This event was held at the occasion of the 10th anniversary of the N.R.W. One hundred and fifty (150) participants of 16 countries attended this congress.

1995 was also an important year for our students and the general public. After the opening on 22 June of the Theme Garden, Utrecht Botanic Gardens were enriched with 8.000 m2 new garden. This garden was especially designed for all kinds of public. Not only for students but for public of all ages and abilities, including disabled visitors. (see Roots 8, October 1993).

Last but not least, the living collections have been enriched this year. New plant species and accessions for the Theme Garden have been added to the general collections.
Many new accessions from natural sources replaced accessions from cultivated origin, as part of the long-term collection strategy of replacing plants of cultivated origin for wild-collected stock.

Curator's Department

Utrecht Botanic Gardens are developing specializations on the following groups and taxa:

-Flora of the Neotropics: Flora of the Guianas, with special emphasis on:

Bromeliaceae	Gesneriaceae
Orchidaceae	Zingiberaceae

-Annonaceae (Research Collection)

-Conifers (esp. Tsuga)

-Broad-leaved hardy trees and shrubs:

Aceraceae	Betulaceae	Ericaceae
Euonymus	Laburnum	Magnolia

Oleaceae (esp.: Fraxinus and Syringa)

-Alpines

-Crassulaceae (Research Collection)

-selected woodland plants (Arisaema, Arisarum & Trillium)

-Penstemon

-Lecanopteris

These specializations are given extra attention regarding verification, nomenclature, wild source material, etc.

We are especially interested in material from natural sources of the groups and taxa mentioned above. We have a cooperation with gardens with identical specializations. If you are interested, please contact us and we will provide additional information.

Aceraceae

1.	G	I	00ZG00986	Acer cappadocicum Gled. subsp. lobelii (Ten.) P.C.DeJong
2.	G	I	00ZG00968	Acer maximowiczianum Miq.
3.	G	I	00ZG00997	Acer micranthum Siebold & Zucc.
4.	G	V	00ZG00960	Acer tataricum L. subsp. tataricum

Agavaceae

5.	G	I	73GR00695	Phormium tenax J.R. & G.Forst.

Amaranthaceae

6.	S	I	74GR00319	Pleuropetalum darwinii Hook.f.; [HVDW 178] Galapagos Islands.

Annonaceae

7.	S	S	83GR00360	Annona glabra L.; [STOLZE] USA, Florida, Sebastian River, 3 Km. W. of Wabasso.
8.	S	S	83GR00169	Annona muricata L.

Apiaceae

9.	S	I	66BL00184	Athamanta turbith (L.) Brot. subsp. haynaldii (Borb. & Uechtr.) Tutin

Aquifoliaceae

10.	G	I	61RD00653	Ilex pedunculosa Miq. var. pedunculosa

Fig. 1: *Aristolochia fimbriata* Cham. *(Aristolochiaceae)*

Araceae

11.	G	I	68GR00913	Nephthytis afzelii Schott

Aristolochiaceae

12.	G	I	92GR01149	Aristolochia fimbriata Cham. (fig. 1)
13.	S	I	92GR00988	Aristolochia littoralis Parodi; El Salvador, Acajutla.
14.	S	V	92GR00904	Aristolochia trilobata L.; [MORI 22351] French Guiana, Saül.

Asclepiadaceae

15.	G	I	80RD00057	Periploca sepium Bunge
16.	S	I	64BL00042	Vincetoxicum hirundinaria Medik.; [KLIPH]

Asteraceae

17.	S	I	88GR00053	Chaptalia ignota Burkart; Argentina, Iquazu, Las Orquideas.
18.	G	V	94GR00044	Mutisia coccinea St.-Hil. var. coccinea (fig. 2)

Brassicaceae

19.	S	I	64BL00214	Alyssoides utriculata (L.) Medik.
20.	G	I	69BL00165	Alyssum murale Waldst. & Kit.
21.	S	V	91ZS00974	Diplotaxis tenuifolia (L.) DC.; Switzerland, Wallis, no further details, alt.: 700m.
22.	G	I	72BL00095	Fibigia eriocarpa (DC.) Boiss.

Fig. 2: *Mutisia coccinea* St.-Hil. *var. coccinea (Asteraceae)*

Bromeliaceae

23.	G	I	90GR00441	Aechmea bracteata (Swartz) Griseb. var. pacifica Beutelsp.
24.	S	I	88GR00183	Tillandsia monadelpha (E.Morren) Baker; Fr. Guiana, Mt. Tortue (88-06-17), alt.:250-450m.
25.	G	I	94GR01887	Vriesea correia-arauji E.Pereira & Penna.
26.	S	I	93GR00747	Vriesea splendens (Brongn.) Lem. var. formosa Suringar ex Witte; [MAAS] Trinidad, Maracas La Cuevas Trail, alt.:650m.

Campanulaceae

27.	S	I	83BL00272	Asyneuma campanuloides (M.B.) Bornm.
28.	G	I	66BL00316	Phyteuma scheuchzeri All.
29.	G	I	83BL00396	Symphyandra repens Karpiss.
30.	G	I	58ZE02196	Wahlenbergia lobelioides (L.f.) A.DC. subsp. lobelioides

Cannaceae

31.	S	S	89GR00092	Canna indica L.; [MJJ 1781] Guyana, Old Farm near Konashen.
32.	S	S	89GR00010	Canna indica L.; [WOLB 88-001] Nepal, near village Phalenksangu, along Annapurna Trail, alt.:700m.

Capparaceae

33.	G	I	91GR01779	Cleome gigantea L.

Caryophyllaceae

34.	G	I	76BL00052	Dianthus giganteus d'Urv.

35.	G	I	83BL00090	Dianthus knappii (Pant.) Asch. & Kanitz ex Borbás
36.	S	I	94BL00402	Dianthus tristis Velen.; Greece, Nomos Pellis, Tzena, silicate, alt.:1170m.
37.	G	I	94BL00278	Petrorhagia graminea (Sm.) P.W. Ball & Haywood
38.	G	I	84BL00124	Silene quadridentata (Murr.) Pers.
	Celastraceae			
39.	S	I	77RD00142	Tripterygium regelii Sprague & Takeda; Korea, Sorok National Park.
	Clusiaceae			
40.	G	I	65BL00478	Hypericum olympicum L.
	Crassulaceae			
41.	G	I	77BL00079	Chiastophyllum oppositifolium (Ledeb. ex Nordm.) Berger
42.	S	S	93BL00010	Sedum obtusifolium C.A. Meyer; [AH 33] Turkey, Prov. Bolu, 20 km S. of Gerede, W. of the road to Kizilcahaman, alt.:1350m.
43.	G	I	69BL00408	Sedum sempervivoides Fisch. ex Bieb.
44.	S	I	77BL00127	Sedum stoloniferum S. Gmelin
	Cuscutaceae			
45.	G	I	71ZE00025	Cuscuta gronovii Willd.
	Cyperaceae			
46.	S	I	66BL00196	Carex spicata Huds.; Austria, no further details.

Ericaceae

47.	G	I	00ZG00184	Enkianthus cernuus (Siebold & Zucc.) Makino var. rubens (Maxim.) Makino
48.	G	I	00ZG00034	Kalmia angustifolia L.
49.	G	I	00ZG01222	Kalmia latifolia L.
50.	G	I	00ZG00883	Leucothoe fontanesiana (Steud.) Sleumer
51.	G	I	00ZG00037	Pieris floribunda (Pursh ex Sims) Benth. & Hook.f.
52.	G	I	00ZG00097	Rhododendron canadense (L.) Torr.
53.	G	I	00ZG01146	Zenobia pulverulenta (W.Bartram ex Willd.) Pollard

Euphorbiaceae

54.	S	I	91ZE00842	Euphorbia helioscopia L.; Belgium, county Brabant, Vilvoorde.
55.	S	I	92GR01383	Jatropha gossypifolia L.; [G&W 207] Guyana, Hope Beach, along Atlantic Ocean.

Fabaceae

56.	K	I	91BL01800	Anthyllis vulneraria L. subsp. iberica (Becker) Jal.
57.	G	I	84RD00451	Chamaecytisus supinus (L.) Link
58.	G	I	56ZE02112	Tetragonolobus purpureus Moench
59.	G	I	73ZE00883	Trifolium incarnatum L.

Fumariaceae

60.	G	I	54ZE02436	Corydalis sempervirens (L.) Pers.

Gentianaceae

61.	G	I	68BL00059	Gentiana cruciata L. subsp. cruciata
62.	S	I	84BL00516	Gentiana lutea L. subsp. lutea; France, Vosges, Le Hohneck road Kastelberg, alt.:1350m.

Gesneriaceae

63.	G	I	65BL00453	Ramonda myconi (L.) Rchb.
64.	S	I	82BL00132	Ramonda nathaliae Pancic & Petrovic; Yugoslavia, Titov Veles, alt.:230m.

Grossulariaceae

65.	S	I	76RD00240	Itea virginica L.; U.S.A., New Jersey, Burlington County, no further details.

Iridaceae

66.	G	V	68GR00728	Lapeirousia laxa (Thunb.) N.E.Br. (fig. 3)
67.	G	I	91GR00557	x Pardancanda norrisii L.W.Lenz

Lamiaceae

68.	G	I	66BL00015	Teucrium arduini L.
69.	S	I	73BL00077	Teucrium pyrenaicum L.

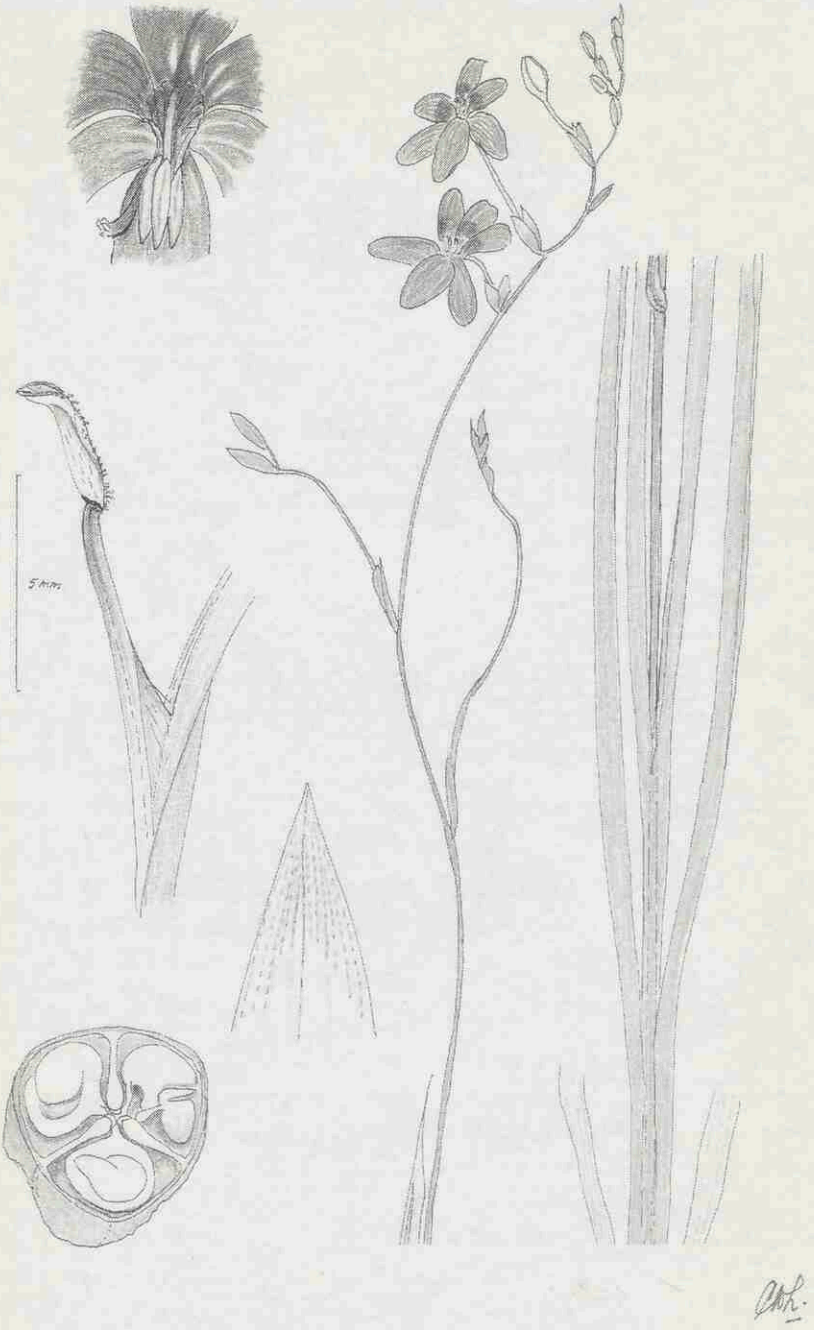

Fig. 3 *Lapeirousia laxa* (Thunb.) N.E.Br. *(Iridaceae)*

Liliaceae

70.	S	I	62BL00140	Allium senescens L.
71.	S	I	70BL00165	Allium sphaerocephalon L.
72.	S	I	80GR00248	Bomarea edulis (Tussac) Herb.; [L&G 455] Suriname, Kabelebo area, along Barieba Creek.
73.	G	I	65BL00228	Veratrum album L.
74.	G	I	65BL00271	Veratrum nigrum L.

Loasaceae

75.	G	I	53ZE00859	Blumenbachia hieronymi Urb.

Lythraceae

76.	S	I	76GR00003	Heimia myrtifolia Cham. & Schlechtend.; [JCL 6739]

Magnoliaceae

77.	G	I	00ZG00099	Liriodendron tulipifera L.
78.	G	I	00ZG01142	Magnolia hypoleuca Siebold & Zucc.
79.	G	I	65RD00047	Magnolia tripetala (L.) L.
80.	G	I	00ZG01144	Magnolia virginiana L.

Malvaceae

81.	G	I	68GR01510	Pavonia praemorsa (L.f.) Cav.
82.	S		92GR00179	Urena lobata L. subsp. lobata; Japan, Honshu, Tanegashima Exp. St. of Med. Plants, Kumage-gun, Kagoshima Pref.

Meliaceae

83. S I 66GR01824 Guarea macrophylla Vahl subsp. tuberculata (Vell.) Pennington; [JCL 2114] Brazil, NW Parana, Cêrro Azul, Rio Ponta Grossa (fig. 4).

Myrsinaceae

84. G I 74GR00008 Ardisia solanacea Roxb.

Myrtaceae

85. S I 81GR00017 Psidium cattleianum Sabine; [JCL] Brazil, Rio Grande do Sul, campos, no further details.

Pinaceae

86. G I 00ZG00915 Pseudolarix amabilis (A.Nelson) Rehder

Plumbaginaceae

87. G I 75ZE00620 Psylliostachys suvorovii (Regel) Roshkova

Primulaceae

88. G I 69BL00037 Androsace albana Stev.

Ranunculaceae

89. S I 81BL00206 Aconitum orientale Mill.; USSR, Northern Caucasus Mts., Karachai-CherKessk, vinity of Karachayevsk (1980), alt.:1600m.

90. G I 75ZE00311 Adonis aestivalis L.

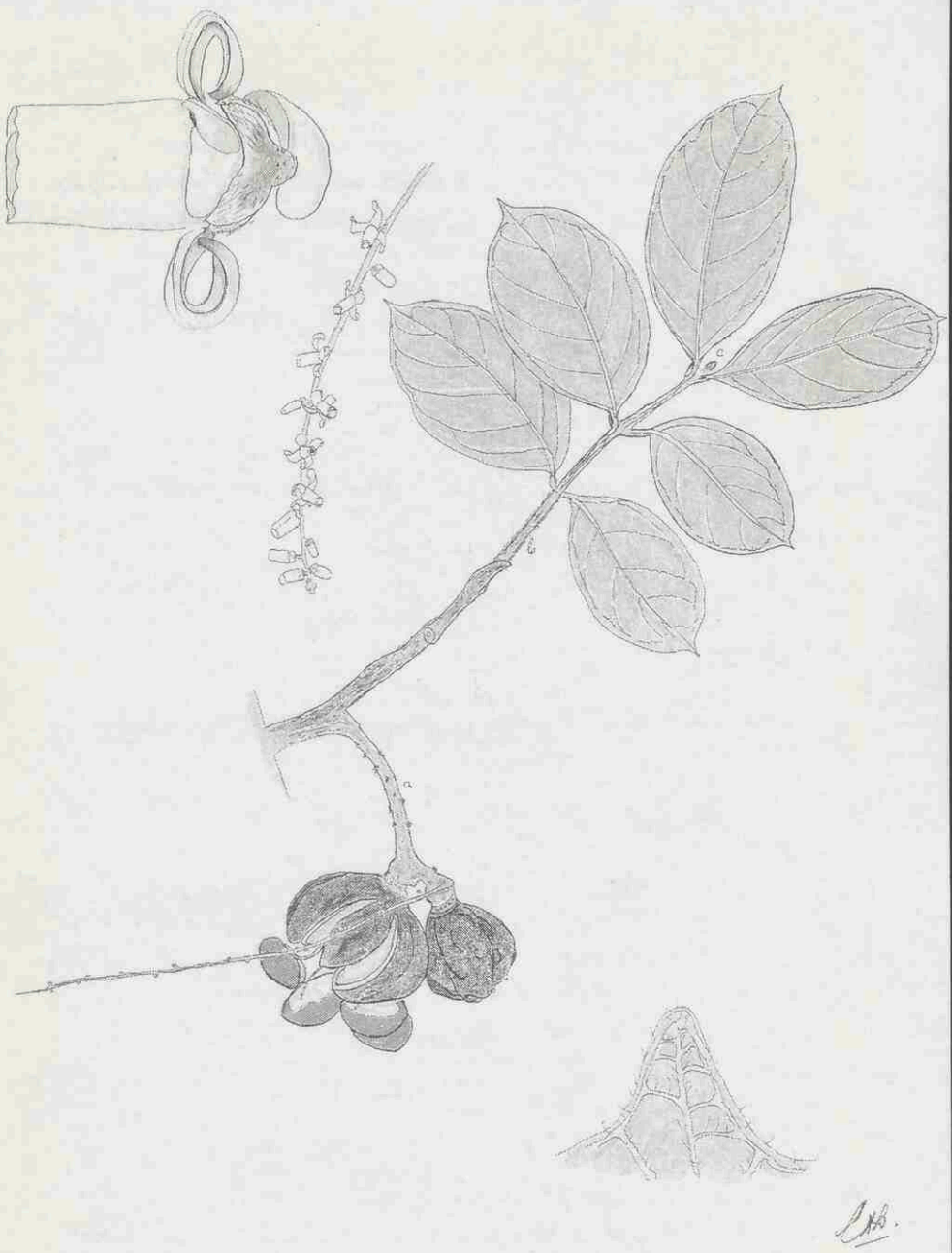

Fig. 4: *Guarea macrophylla* Vahl *subsp. tuberculata* (Vell.) Pennington *(Meliaceae)*

Rosaceae

91.	S	I	73BL00002	Acaena viridior (Cock.) Allan
92.	S	I	78ZS00010	Filipendula kamtschatica (Pall.) Maxim.; Russia, Sakhalin, Juzhnosachalinsk.

Rubiaceae

93.	S	I	87ZS00024	Rubia tinctorum L.; France, Dept. Gard, Aramon.

Scrophulariaceae

94.	S	I	90BL00300	Verbascum chaixii Vill. subsp. austriacum (Roem. & Schult.) Hayek; Hungary, no further details.
95.	G	I	71ZE00811	Zaluzianskya capensis (Benth.) Walp.

Smilacaceae

96.	G	I	68GR01536	Eustrephus latifolius R.Br. ex Sims

Solanaceae

97.	S	I	66GR01642	Cestrum amictum Schlechtend. var. angustifolium Francey; [JCL 1211]
98.	S	I	66GR01770	Cestrum calycinum Willd.; [JCL 1738] Brazil, no further details.
99.	G	I	89ZE00003	Schizanthus pinnatus Ruiz. & Pav.

Styracaceae

100.	G	I	64RD00305	Halesia carolina L. var. carolina
101.	K	I	91RD00898	Pterostyrax hispida Siebold & Zucc.
102.	G	I	00ZG01006	Styrax japonica Siebold & Zucc.
103.	G	I	00ZG00964	Styrax obassia Siebold & Zucc.

Symplocaceae

104. G I 00ZG00909 Symplocos paniculata (Thunb. ex Murray) Miq.

Taxodiaceae

105. G I 00ZG01861 Sciadopitys verticillata (Thunb. ex Murray) Siebold & Zucc.

Valerianaceae

106. G I 70ZE02101 Fedia cornucopiae (L.) Gaertn.

Verification:

The seeds in this list have been taken from verified plants and only if we were reasonably sure that cross-pollination with related species would be unlikely.

Explanation of provenance codes:

E= Seeds directly from natural source.

S= Seeds derived from a plant in cultivation but from known natural source (not necessarily F1 generation).

G= Seeds from a plant from other Botanical Garden or Institute; not from known natural source.

K= Nursery origin; not from known natural source.

Explanation of abbreviated collector-names:

AH	K. Alpinar & H.'t Hart
G&W	A.R.A. Görts & L.J.W. van den Wollenberg
HVDW	H. v.d. Werff
JCL	J.C. Lindeman
KLIPH	E. Kliphuis
L&G	J.C. Lindeman & A.R.A. Görts
MAAS	P.J.M. Maas
MJJ	M.J.Jansen-Jacobs
MORI	Scott Mori
STOLZE	R.G. Stolze
WOLB	L.J.W. van den Wollenberg

Sources of illustrations used:

From colour illustrations made by Dr. C.D. Laros, Utrecht University Botanic Gardens

This Index Seminum has been produced on Chlorine-free paper.