



Index seminum atque sporarum anno ... collectorum

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INDEX SEMINUM
ATQUE SPORARUM



University Botanic Gardens
Utrecht,
The Netherlands

No.31 - 1988

UNIVERSITEITSBIBLIOTHEEK UTRECHT



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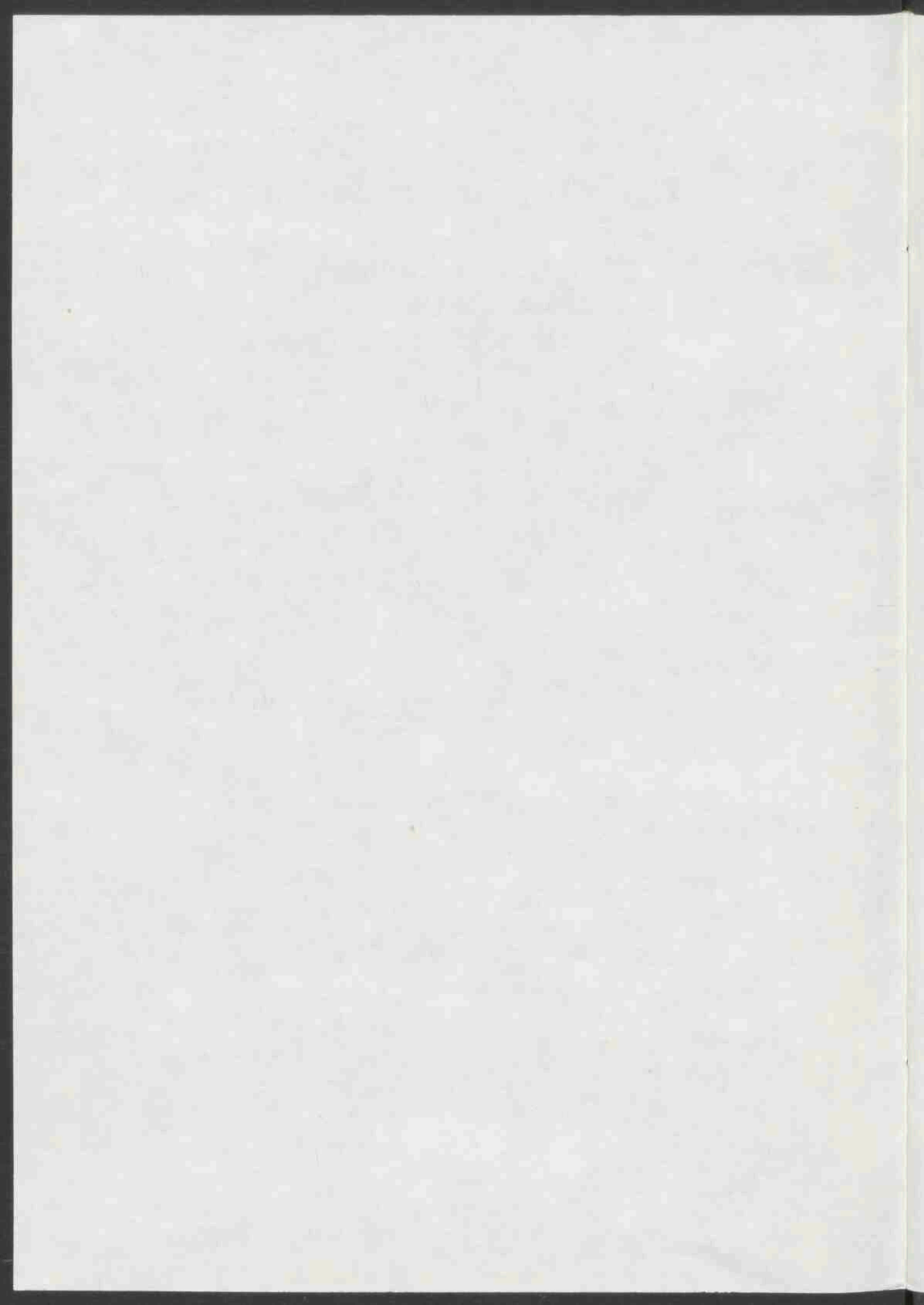
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VWM 1323

University Botanic Gardens

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Index Seminum Atque Sporarum No.31 - 1988



Staff: Drs. Ing. V.P.A. Lukkien,
General Director
A. Leyendekkers,
Curator of Gardens
J. Tolsma,
Curator of Collections
L.J.W. van den Wollenberg,
Ass. Curator of Collections
M.H. Ligthart
Secretary

The Gardens are located at:

Fort Hoofddijk, Utrecht (University center)
Hortus Botanicus, Utrecht (city center; will be
moved to the University center the coming year)
Von Gimborn arboretum, Doorn

Situation and climate:

52°06'N; 5°11'E
Alt.: 2m above sea level
Average rainfall: 796 mm
Mean annual maximum temperature: 31.8°C
Mean annual minimum temperature: -11.5°C

Introduction:

With the presentation of our Index Seminum 1988 we take the opportunity to inform you on the latest developments concerning the University Botanic Gardens of the State University of Utrecht.

- In the last year our staff has undergone considerable changes. Our former Scientific Director Dr. P.C. de Jong left us and accepted a position at the Research Station For Nursery Stock in Boskoop, The Netherlands. Drs. ing. U.P.A. Lukkien has been appointed General Director ad interim to fill the vacancy. Mr Leyendekkers was entrusted with the activities of Curator of Gardens. In addition, L. Snel (secretariat) left us and this position was taken over by R. Ligthart.

- 1989: 350 years Botanic Gardens Utrecht.

In 1989 we will elaborately celebrate the anniversary of the Botanic Gardens of the State University at Utrecht. After having concentrated our Gardens last year (the Main Garden Project), the established "Main Garden" with its new greenhouses will be officially opened in May 1989. Other highlights will be:

- * the National Orchid Show (in cooperation with the Dutch Orchid Society);
- * the National Sweet Pea Show (in cooperation with the Dutch Sweet Pea Society);
- * Presentation of the International Dendrology Society Conservation Award to the Von Gimborn arboretum (our satellite-garden);
- * a congress on the theme: "The future of Botanical Gardens and Collections in The Netherlands".

- After having operated with our databasesystem BUD1 for over 2 years, we now plan a further integration of our collection-administration in an advanced integrated database-system, called BUD3. It will comprise a relational database, affiliated utilities typically used by Botanical Gardens, such as a (renewed) Seedmanager

with "Stock-monitoring" for the yearly Seed Exchange, and a multi-user environment for multiple use of our collections-database. The IBPGR-International Transfer Format for data-exchange of plantrecords will be supported.

The stand-alone version of this system will be called BUD2. Both can be purchased by dutch fellow-Botanic Gardens.

For the moment no software can be sold to foreign Institutions or persons since technical support and the release of a manual in the english language is still beyond the scope of our possibilities.

- The data for this Index Seminum are automatically processed using BUD1 and the accompanying text is added by means of a wordprocessor.

- The Decentralized National Plantcollection (D.N.P.):
In the past the 8 dutch University Botanic Gardens developed a plan for the realization of a National Plantcollection. Each participating Gardens specializes in a number of taxa and takes responsibility for these taxa in the other Gardens. Recently a foundation has been installed by the Dutch Government in order to enhance the already existing cooperation between the Gardens and to speed up the activities which should render the D.N.P. operational. This foundation is called the "Stichting Nederlandse Plantentuinen" (Foundation Dutch Botanic Gardens).

The Botanic Gardens of Utrecht are developing collections of the following groups and taxa:

-Alpinous plants (esp. Arisaema, Arisarum, Penstemon and Trillium)

-Annonaceae

-Conifers (esp. Tsuga)

-Ferns (Polypodiaceae s.s.)

-Flora of the Neotropics: Flora of the Guianas

Gesneriaceae

Orchidaceae

Zingiberaceae

-Lactiferous plants: Euphorbia

Hoya

-Moraceae: Cecropia

Dorstenia

Ficus

-Broad-leaved hardy trees and shrubs:

Aceraceae

Betulaceae

Ericaceae

Euonymus

Laburnum

Magnolia

Oleaceae

We are especially interested in material from natural sources of the groups and taxa mentioned above. We will be much obliged if (besides the material from your seedlist) you can supply us with other species from, or draw our attention to, special stocks in your collections.

Verification:

The seeds and spores 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 derived from a plant of known natural source (F1 generation).
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.

Explanation of abbreviated collector-names:

BG	C.C. Berg
CYI	research-group Cytotaxonomy (P.E.B.)
HVDW	H. v.d. Werff
JCL	J.C. Lindeman
KRESS	W.J.E. Kress
MAAS	P.J.M. Maas
PLKENN	T. Plowman & H.Kennedy
WE	J.J.F.E. de Wilde

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.

Requests reaching us before March 1989 will be handled in sequence of entry.

Aceraceae

1. G 002600968 *Acer maximowiczianum* Miq. (Syn.: *A. nikoense* Maxim.)
2. G 002600997 *Acer micranthum* Sieb. & Zucc.
3. G 84RD00449 *Acer nipponicum* Hara Seeds collected from 54-year old tree in the Zuiderpark at The Hague. Rare in cultivation. The seeds may not dry out and have to be sown immediately after receipt.

Amaranthaceae

4. E 74GR00319 *Pleuropetalum darwinii* J.D.Hook. [KVDW17B] Coll.: Galapagos Isl., 1974.

Annonaceae

5. G 76GR00015 *Artabotrys hexapetalus* (L.f.) Bhandari

Apocynaceae

6. G 74GR00732 *Alyxia buxifolia* R. Br.

Aquifoliaceae

7. G 61RD00653 *Ilex pedunculosa* Miq.

Araceae

8. G 74GR00662 *Aglaonema commutatum* Schott var. *commutatum*
9. G 74GR00663 *Aglaonema commutatum* Schott var. *elegans* (Engl.) Nicols.
10. G 84BL00382 *Arisaema serratum* (Thunb.) Schott (Syn.: *A. japonicum* Bl.)

Asteraceae

11. E 77BL00245 *Cirsium yezoense* (Maxim.) Mak. Coll.: Japan, 1977.

Boraginaceae

12. G 68GR01070 *Heliotropium amplexicaule* Vahl



Acer micranthum (nr. 2, see page 6)

1. female flowering branchlet from monoecious tree. 2. ♀ flower
 3. ♂ flower .After P.C. de Jong, Flowering and sex expression in *Acer* L.
 A biosystematic study. Meded. Landbouwhogeschool Wageningen 76-2 (1976)

Brassicaceae

13. G 72BL00095 *Fibigia eriocarpa* (DC.) Boiss.
(Syn.: *Farsetia eriocarpa* DC.)

Bromeliaceae

14. G 77GR00028 *Puya ferruginea* (Ruiz & Pav.) L.B.Sm.

Caesalpiniaceae

15. G 60GR00164 *Cercis siliquastrum* L.

Campanulaceae

16. E 83BL00283 *Edraianthus tenuifolius* (Waldst. &
Kit.) A.DC. Coll.: Eur. Alps, 1982.
17. E 83BL00156 *Physoplexis comosa* (L.) Schur Coll.:
Italy, Brenta, alt.: 1700m., 1982.

Cannaceae

18. E 76GR00106 *Canna paniculata* Ruiz & Pav. [PLKENNS700]
Coll.: Peru, Dept. Huanuco, Puente
Durand, alt.: 1000m., 1976.
19. E 80GR00287 *Canna tuerckheimii* Kraenzl. [MAAS]
Coll.: Ecuador, near Alluriquin,
alt.: 850m., 1980.

Caryophyllaceae

20. G 83BL00090 *Dianthus knappii* (Pant.) Aschers. &
Kuntz ex Borb.

Clethraceae

21. G 75GR00274 *Clethra arborea* Ait.

Clusiaceae

22. G 68GR01043 *Garcinia xanthochymus* J.D.Hook. ex
I.Anders.

Davidiaceae

23. G 60RD00754 *Davidia involuocrata* Baill. var.
vilmoriniana (Dode) Wanger.

Ericaceae

24. G 002G00875 Gaultheria shallon Pursh
 25. G 002G00034 Kalmia angustifolia L.
 26. G 002G01222 Kalmia latifolia L.
 27. G 002G00883 Leucothoe walteri (Willd.) Melvin
 28. G 002G00037 Pieris floribunda (Pursh ex Sims)
 Benth. & J.D.Hook.
 29. G 002G00036 Pieris japonica (Thunb.) D.Don ex
 G.Don
 30. G 002G00097 Rhododendron canadense (L.) Torr.
 31. G 002G01148 Zenobia pulverulenta (Bartr. ex
 Willd.) C.Pollard

Euphorbiaceae

32. G 686R00279 Phyllanthus angustifolius (Sw.) Sw.

Fabaceae

33. G 746R00741 Carmichaelia cunninghamii Raoul

Gesneriaceae

34. G 696R00253 Gloxinia lindeniana (Regel) Fritsch

Hippocrateaceae

35. S 686R00922 Salacia uregaensis R.Wilczek var.
 aurantiaca N.Halle [WE] Coll.:
 trop. W.Africa, 1961.

Hydrangeaceae

36. G 74RD00484 Hydrangea petiolaris Sieb. & Zucc.

Iridaceae

37. G 77BL00409 Iris magnifica Uved.

Lamiaceae

38. E 78BL00211 Sideritis scardica Griseb. Coll.:
 Greece, Mt. Olympos, 1977.



Androsace albana Stev. (nr. 61, see page 10). After G.F. Smith & D.E. Lowe, "Androsaces", an Alpine Garden Society Guide, 1977.

Liliaceae

39. G 73GR00012 *Littonia modesta* J.D.Hook.
 40. G 65BL00271 *Veratrum nigrum* L.

Magnoliaceae

41. G 002G00099 *Liriodendron tulipifera* L.
 42. G 002G01142 *Magnolia hypoleuca* Sieb. & Zucc.
 43. G 70RD00002 *Magnolia kobus* DC. var. *kobus*
 44. G 65RD00047 *Magnolia tripetala* (L.) L.

Malvaceae

45. G 68GR00006 *Abelmoschus manihot* (L.) Medik.
 46. G 68GR00027 *Abutilon indicum* (L.) Sweet
 47. E 67GR00037 *Malvastrum coromandelianum* (L.)
 Garcke [JCL] Coll.: Italy,
 Modena, 1953.
 48. G 68GR01510 *Pavonia praemorsa* (L.F.) Cav.

Melastomataceae

49. G 68GR00394 *Bertolonia maculata* Mart. ex DC.

Moraceae

50. E 82GR00333 *Ficus sagittifolia* Warb. ex Mildbr. &
 Burret [BG] Coll.: Ivory Coast,
 Lamto, 1982.

Myrsinaceae

51. G 74GR00008 *Ardisia solanacea* Roxb.

Myrtaceae

52. G 75GR00144 *Syzygium paniculatum* Banks ex Gaertn.

Papaveraceae

53. G 64BL00209 *Meconopsis betonicifolia* Franch.

Passifloraceae

54. G 71GR00052 *Passiflora gracilis* Jacq. ex Link

Ophiorrhiza mungos L. (nr. 64, see page 10).
Drawing: T. Schipper.



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Phytolaccaceae

55. G 69GR00291 *Hillieria latifolia* (Lam.) H.Walt.
 56. G 68GR00888 *Rivina humilis* L. var. *humilis*

Pittosporaceae

57. G 75GR00255 *Pittosporum undulatum* Vent.

Plumbaginaceae

58. S 77BL00178 *Armeria girardii* (Bernis) Litard.
 Coll.: France, Hrault, Les Rives,
 alt.: 800m., 1976.
 59. G 75GR00293 *Ceratostigma willmottianum* Stapf

Portulacaceae

60. S 67GR00154 *Portulaca mucronata* Link [JCL]
 Coll.: Brazil, 1967. (annual)

Primulaceae

61. G 69BL00037 *Androsace albana* Stev.
 62. G 64BL00226 *Primula vialii* Delav. ex Franch.

Rosaceae

63. G 71RD00024 *Spiraea japonica* L.f. var. *fortunei*
 (Planch.) Rehd.

Rubiaceae

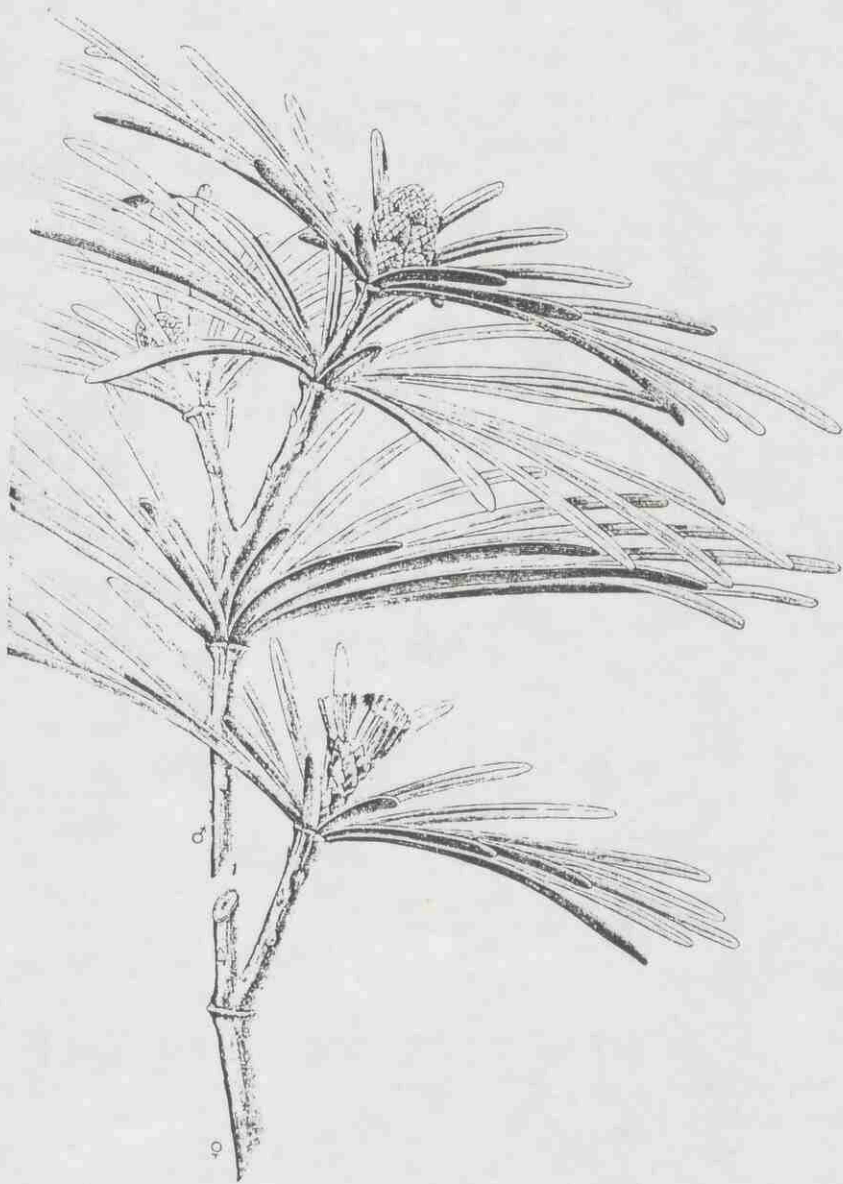
64. G 68GR00130 *Ophiorrhiza mungos* L.
 65. G 55ZE00796 *Sherardia arvensis* L.

Rutaceae

66. G 69GR00220 *Glycosmis arborea* (Roxb.) DC.
 67. G 72RD00278 *Zanthoxylum simulans* Hance
 So far hardy in our climate.

Saxifragaceae

68. E 78BL00473 *Saxifraga fernandi-coburgii* Kellerer
 & Suenderm. [CYT] Coll.: Greece,
 Garmila Mts., near Prissochori,
 alt.: 1600m., 1976.
 69. E 81BL00238 *Saxifraga sempervivum* K.Koch
 [CYT24903] Coll.: Bulgaria, Rhodope
 Mts., alt.: 1050m., 1979.



Sciadopitys verticillata (Thunb.) Sieb. & Zucc. (nr. 79, see page 11). After L. Beissner, "Handbuch der Nadelgehölze", 1909. 1: twig with male inflorescence; 2: twig with female inflorescence.

Scrophulariaceae

70. G 68GR00129 *Leucocarpus perfoliatus* (W.J.Hook.)
Benth.
71. G 87BL00274 *Penstemon whippleanus* A.Gray (Syn.:
P. arizonicus Heller)
72. G 75GR00302 *Phygellus capensis* E.Mey.
73. G 70GR00079 *Torenia fournieri* J.J.Lind.

Solanaceae

74. E 66GR01770 *Cestrum calycinum* Willd. [JCL]
Coll.: Brazil, 1966.
75. S 67GR00071 *Physalis angulata* L. [JCL] Coll.:
Suriname, 1967. (annual)

Styracaceae

76. G 00ZG00121 *Halesia carolina* L. var. *mollis*
(Lange) Perk.
77. G 00ZG01006 *Styrax japonica* Sieb. & Zucc.

Symplocaceae

78. G 00ZG00909 *Symplocos paniculata* (Thunb.) Miq.

Taxodiaceae

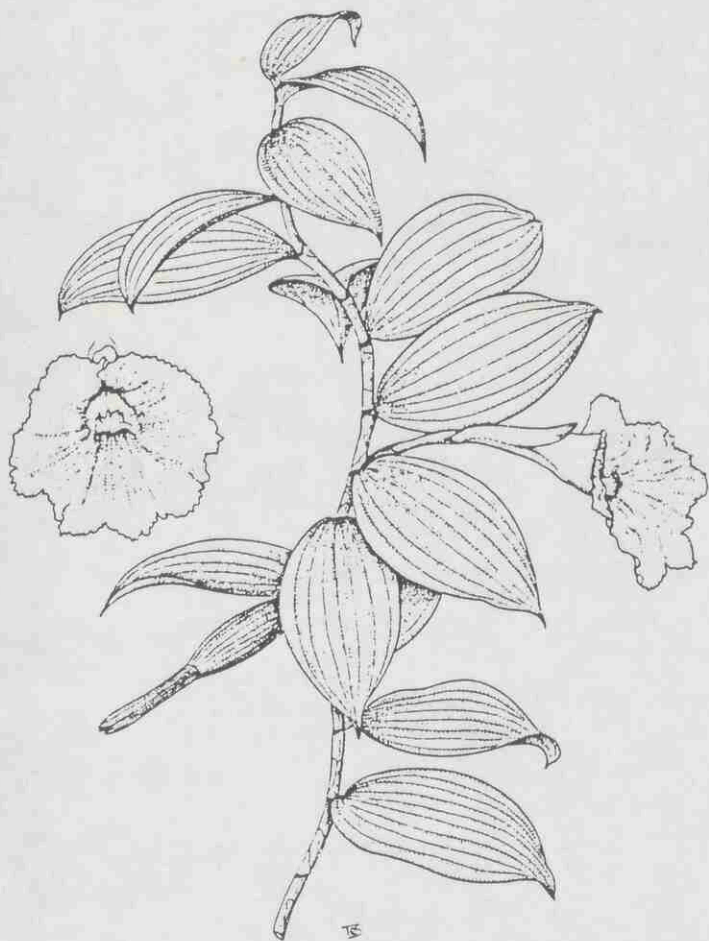
79. G 00ZG01861 *Sciadopitys verticillata* (Thunb.)
Sieb. & Zucc.

Verbenaceae

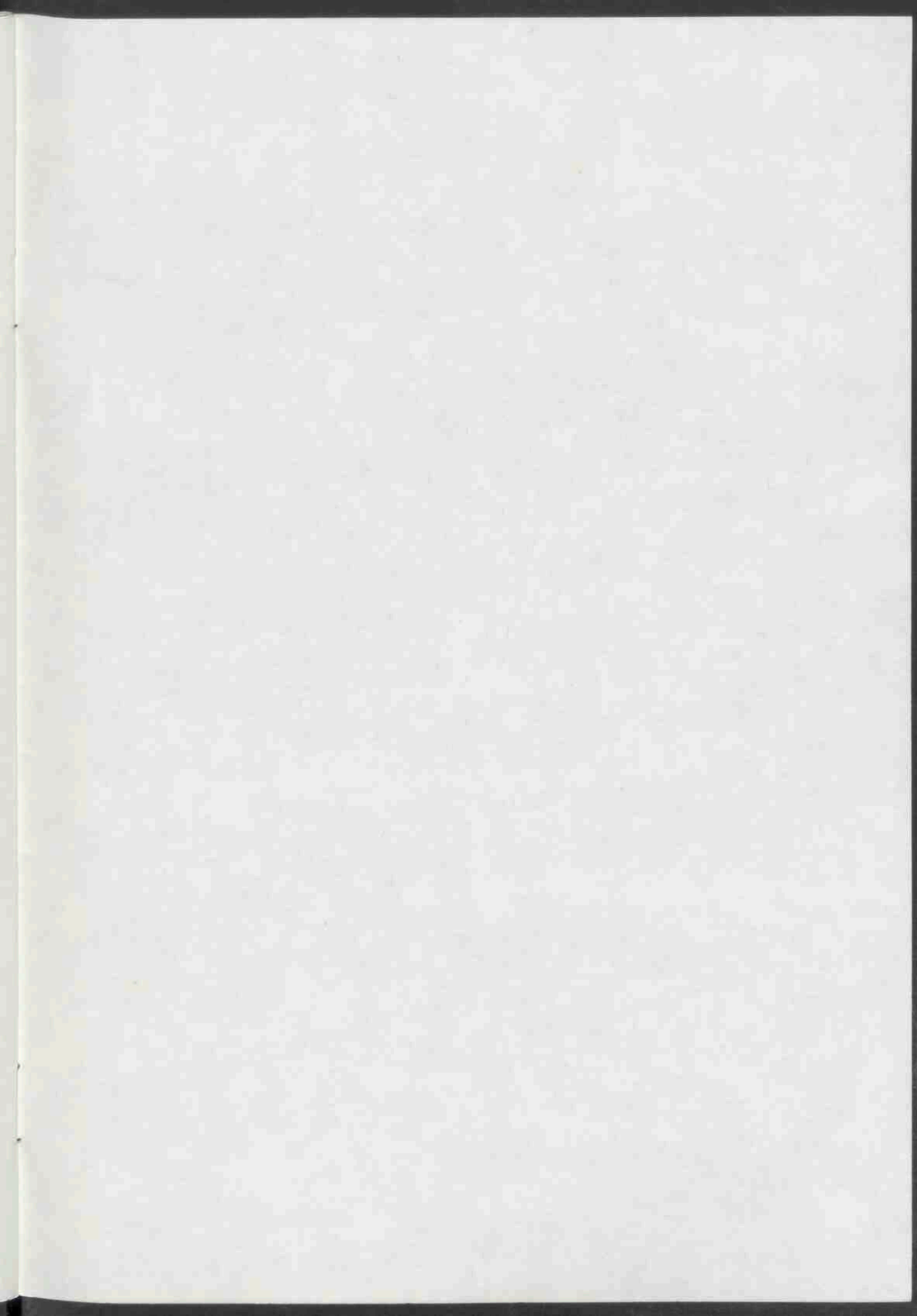
80. G 76GR00299 *Clerodendrum speciosissimum* Van Geert
81. G 75GR00138 *Verbena litoralis* H.B.K.

Zingiberaceae

82. E 75GR00191 *Monocostus uniflorus* (Poepp. ex
D.G.Peters.) Maas [KRESS75-65]
Coll.: Peru, Dept. San Martin, road
Tarapoto-Juanjui, 1975.



Monocostus uniflorus (Poepp. ex O.G. Peters.) Maas (nr. 82, see page 11). Drawing: I. Schipper.



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