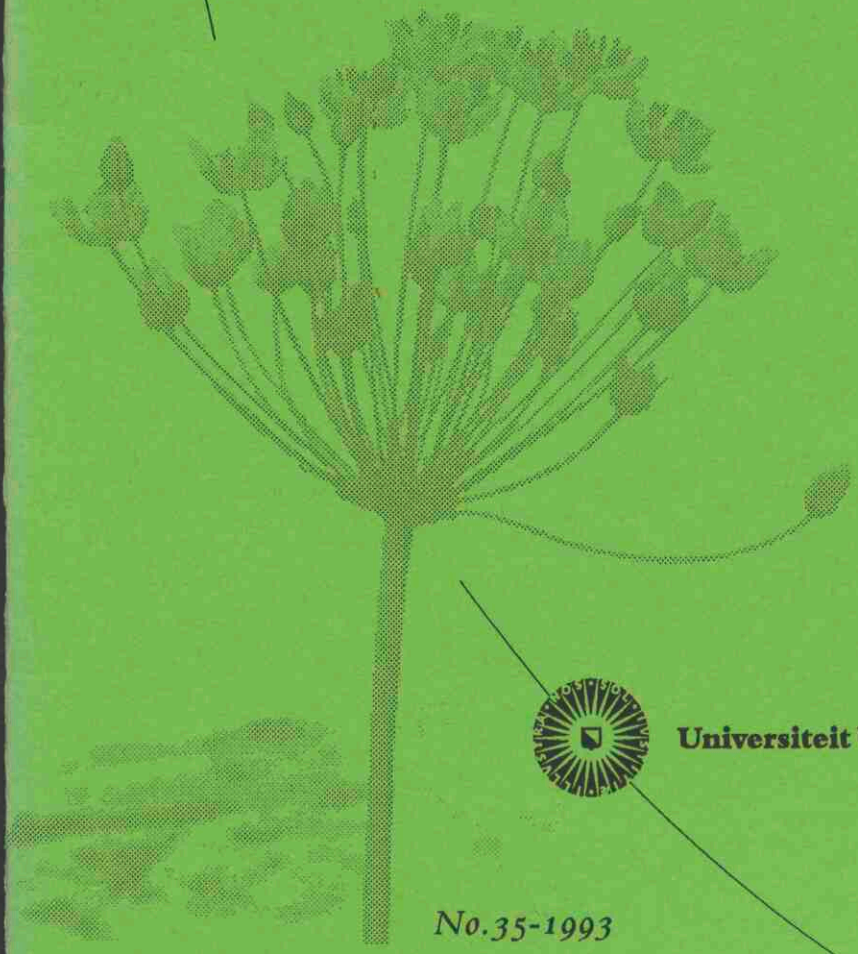
Index seminum

Index Seminum

Utrecht University
Botanic Gardens
The Netherlands



Universiteit Utrecht

No. 35-1993

Utrecht University Botanic Gardens

P.O. Box 80.162

3508 TD Utrecht

The Netherlands

Index Seminum No. 35 - 1993

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 April 1, 1994 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 535177**

Staff:

General Department:
Vijko P.A. Lukkien, M.Sc.,
General Director
Arie Oudijk,
Deputy Director
Mrs. Akkie Joosse, M.Sc.,
Public Relations Officer
Mrs. Ria H. Ligthart,
Secretary

Curators' Department:
Jan Tolsma,
Curator
Bert J.W. van den Wollenberg, M.Sc.,
Curator

Educational Department:
Jaap Vos, M.Sc.,
Education officer
Mrs. Ruth C. de Jonge, M.Sc.,
Coordinator Theme Garden Project

The gardens are located at:

- Utrecht: Fort Hoofddijk (University Center)
- 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 our Index Seminum no. 35, 1993, I would like to take the opportunity to inform you on some recent developments within Utrecht University Botanic Gardens.

In 1993 a number of new initiatives have been taken regarding the educational services rendered.

1 staffing

First of all, Mrs. Akkie Joosse, M.Sc., has joined the staff as Public Relations Officer. Second, the visitors centre has been expanded with a well-equipped Garden Shop, which had led to the appointment of a Shopkeeper, Mr. Joop van den Brink.

2 exhibitions

The theme for the public season of 1993 was "Genezend Groen" (Healing Plants). The development of this theme into a coherent programme, including one major exhibition and several smaller exhibitions on specific subjects, took place in close cooperation with the Pharmaceutical Faculty of Utrecht University (project-group Pharmacognostics of the Dept. of Chemical Pharmacy). Thanks to the support of many volunteers, the programme was successful.

3 Theme Garden Project

This year the construction of the Theme garden was started, to be officially opened in 1995. This new garden section is specifically intended for general education on all aspects of plants, and will be open to a large audience, with special emphasis on provisions for the disabled.
In future it will serve as "green science" park, forming an important cornerstone to the Educational Department.

To achieve the aforementioned, the staff has been expanded with Mrs. R.C. de Jonge, M.Sc., Coordinator for the Theme Garden Project.

This year, Yves Rocher Nederland B.V. founded the "Fondation Yves Rocher Holland". The objective of this foundation is stimulate activities specifically aimed at explaining to children the meaning of botanical biodiversity, preferably through hand's on approach, to be carried out in close cooperation with Utrecht University Botanic Gardens.

Finally, on behalf of the staff and garden-personnel of Utrecht University Botanic Gardens I would like to wish you a prosperous and successful 1994.

Vijko P.A.Lukkien, M.Sc.,
General Director.

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

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

-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 I	00ZG00960	Acer tataricum L. subsp. tataricum

Amaranthaceae

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

Annonaceae

6.	S S	83GR00360	Annona glabra L. [STOLZE s.n.]; USA, Florida, Sebastian River, 3 Km. W. of Wabasso.
7.	G S	76GR00116	Annona montana Macfad.

Apiaceae

8.	G I	90ZE00290	Ammi majus L.

Aquifoliaceae

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

Fig. 1: Acer tataricum subsp. tataricum L. (Acerac.)

Araceae

10.	G I	74GR00662	Aglaonema commutatum Schott var. commutatum
11.	G I	86BL00396	Arisaema flavum (Forssk.) Schott
12.	G I	68GR00913	Nephthytis afzelii Schott

Asclepiadaceae

13.	G I	80RD00057	Periploca sepium Bunge

Asteraceae

14.	S I	88GR00053	Chaptalia ignota Burkart; Argentina, Iquazu, Las Orquideas.

Basellaceae

15.	G I	68GR00013	Basella alba L.

Campanulaceae

16.	S I	90BL00367	Campanula sabatia De Not.; Italia, Altopiano delle Manie (SV); coll.: 88-08-03, Alt.: 300m.
17.	G I	83BL00350	Edraianthus pumilio (Port.) A.DC.
18.	S I	83BL00283	Edraianthus tenuifolius (Waldst. & Kit.) A.DC.; Eur. Alps. No further details.
19.	G I	66BL00036	Symphyandra hofmannii Pant.

Cannaceae

20.	S S	89GR00010	Canna indica L. [WOLB 88-001]; Nepal, near village Phalenksangu, along Annapurna Trail on steep slope to river, Alt.: 700m.
21.	S S	76GR00106	Canna paniculata Ruiz & Pav. [PLKENN 5700]; Peru, dept. Huanuco, Puente Durand, Alt.:1000m.
22.	G I	75GR00189	Canna tuerckheimii Kraenzl. [PL 3767]; Originally from Costa Rica (San Vito de Java).
23.	S I	80GR00287	Canna tuerckheimii Kraenzl. [MAAS 4796]; Ecuador, Alluriquin area, betw. Sto.Domingo de los Colorados and Quito, Alt.: 850m.

Capparaceae

24.	G I	91GR01779	Cleome gigantea L.

Caryophyllaceae

25.	S I	82BL00048	Dianthus amurensis Jacq.; Russia, Siberia, no further details!
26.	G I	76BL00052	Dianthus giganteus d'Urv.

Celastraceae

27.	S I	77RD00142	Tripterygium regelii Sprague & Takeda;Korea Sorok National Park.

Clusiaceae

28.	G I	65BL00478	Hypericum olympicum L.

Commelinaceae

29.	G I	72GR00380	Palisota bracteosa C.B.Clarke

Crassulaceae

30.	G I	82BL00346	Sedum pilosum Fisch. ex M.Bieb.

Cuscutaceae

31.	G I	71ZE00025	Cuscuta gronovii Willd.

Ericaceae

32.	G I	00ZG00184	Enkianthus cernuus (Siebold & Zucc.) Makino var. rubens (Maxim.) Makino
33.	G I	00ZG00034	Kalmia angustifolia L.
34.	G I	00ZG01222	Kalmia latifolia L.
35.	G I	00ZG00883	Leucothoe fontanesiana (Steud.) Sleumer
36.	G I	00ZG00037	Pieris floribunda (Pursh ex Sims) Benth. & Hook.f.
37.	G I	00ZG00097	Rhododendron canadense (L.) Torr.
38.	G I	00ZG01146	Zenobia pulverulenta (W.Bartram ex Willd.) Pollard

Euphorbiaceae

39.	S I	82ZE02120	Mercurialis annua L.; Germany, Rhein-Main area, "Ruderalgesellschaft", near Frankfurt.
40.	G I	78GR00256	Phyllanthus juglandifolius Willd.

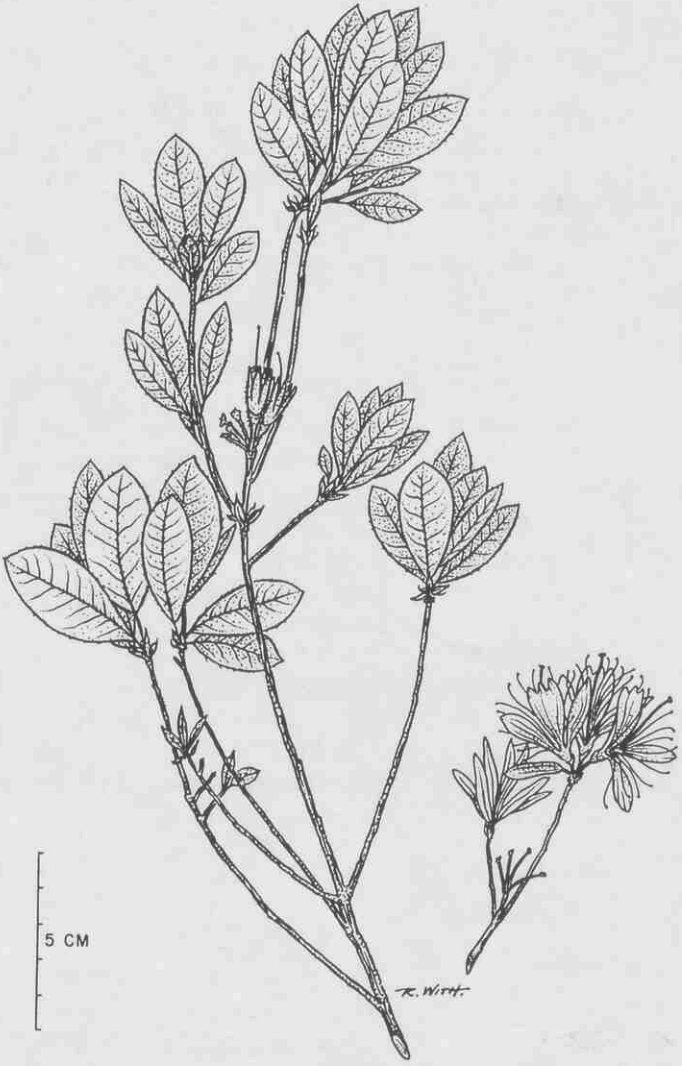


Fig. 2: Rhododendron canadense (L.) Torr. (Eric.)

Fabaceae

41.	G I	56ZE02112	Tetragonolobus purpureus Moench

Fumariaceae

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

Gentianaceae

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

Gesneriaceae

45.	G I	65BL00453	Ramonda myconi (L.) Rchb.
46.	S I	82BL00132	Ramonda nathaliae Pancic & Petrovic

Grossulariaceae

47.	G I	69GR00038	Escallonia bifida Link & Otto

Haemodoraceae

48.	S I	92GR01222	Hagenbachia brasiliensis Nees & Mart. [AMORI 857]; Brazil, Bahia, grounds: CEPLAC, rocky place in the woods.

Iridaceae

49.	G I	77BL00409	Iris magnifica Vved.
50.	G V	68GR00728	Lapeirousia laxa (Thunb.) N.E.Br.
51.	G I	91GR00557	xPardanca norrisii L.W.Lenz

Lamiaceae

52.	G I	79ZE00338	Ocimum basilicum L.
53.	G I	65ZE00307	Salvia patens Cav.
54.	S I	78BL00211	Sideritis scardica Griseb.
55.	G I	66BL00015	Teucrium arduini L.

Liliaceae

56.	S I	80GR00248	Bomarea edulis (Tussac) Herb. [L&G 455]; Suriname, Kabelebo area, along Barieba Creek,
57.	G I	65BL00271	Veratrum nigrum L.

Magnoliaceae

58.	G I	00ZG00099	Liriodendron tulipifera L.
59.	G I	00ZG01142	Magnolia hypoleuca Siebold & Zucc.
60.	G I	65RD00047	Magnolia tripetala (L.) L.
61.	G I	00ZG01144	Magnolia virginiana L.

Malvaceae

62.	G I	69GR00169	Gossypium arboreum L.
63.	S I	67GR00037	Malvastrum coromandelianum (L.) Garcke [JCL s.n.]; Brazil, no further details!

64.	S I	91GR00590	Urena lobata L.; Nepal, Chitwan National Park, Sauraha, 0,5 km from park entrance.
		Melastomataceae	
65.	G I	68GR00712	Medinilla magnifica Lindl.
		Myricaceae	
66.	G I	87BL00481	Myrica gale L. var. tomentosa C.DC.
		Myrsinaceae	
67.	G I	75GR00383	Ardisia crenata Sims
68.	G I	74GR00008	Ardisia solanacea Roxb.
		Myrtaceae	
69.	S I	81GR00017	Psidium cattleianum Sabine [JCL s.n.]; Brazil, Rio Grande do Sul, campos, no further details!
70.	G I	75GR00144	Syzygium paniculatum Banks ex Gaertn.
		Pinaceae	
71.	G I	00ZG00915	Pseudolarix amabilis (A.Nelson) Rehder

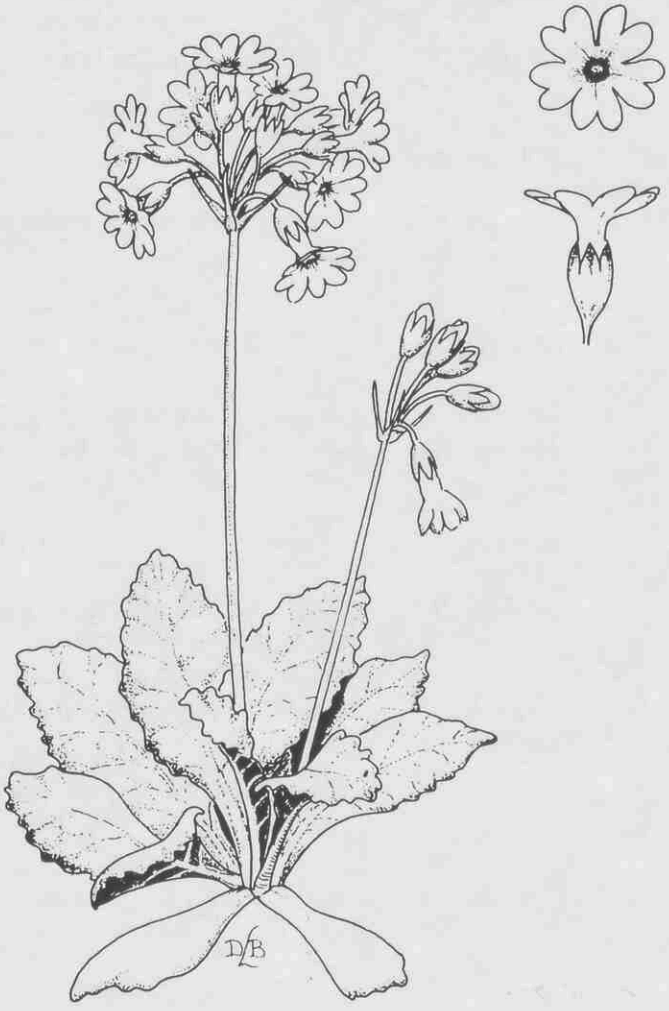


Fig. 3: Primula frondosa Janka (Primul.)

Plumbaginaceae

72.	S I	87BL00526	Bukiniczia cabulica (Boiss.) Lincz. [SEP 18]; Pakistan, Gilgit, Hunza, Batura Glacier, N. side, dry moraine, Alt.: 2929-3000 m. ([1])
73.	G I	75ZE00620	Psylliostachys suvorovii (Regel) Roshkova

Polemoniaceae

74.	G I	89ZE00014	Gilia tricolor Benth.

Portulacaceae

75.	G I	68GR01533	Talinum paniculatum (Jacq.) Gaertn.

Primulaceae

76.	G I	69BL00037	Androsace albana Stev.
77.	G I	64BL00221	Primula florindae Kingdon-Ward
78.	G I	82BL00017	Primula frondosa Janka
79.	G I	64BL00226	Primula vialii Delavay ex Franch.

N.B.1: The genus Bukiniczia Lincz. has been split off of Statice published in 1971 by Linczevski, Bot. Zurn., 56(11), including the singular species Bukiniczia cabulica (Boiss.) Lincz. (syn.: Limonium cabulicum (Boiss.) O.Kuntze), based on the basionym Statice cabulica Boiss.
In 1974 K.H.Rechinger split off the monotypic genus Aeoniopsis Rech.f., with Aeoniopsis cabulica (Boiss.) Rech.f. as the type species, also with Statice cabulica Boiss. as basionym. This name is more widely known in cultivation.
Obviously the name Bukiniczia has priority over Aeoniopsis, and the latter should be considered illigitimate.
N.B.2: The situation is further complicated by the fact that most plants of Bukiniczia cabulica are commonly grown under the name Dictyolimon macrorrhabdos (Boiss.) Rech.f., the latter however being a perennial, the former monocarpic.

Ranunculaceae

80.	G I	75ZE00311	Adonis aestivalis L.
81.	S I	80ZE02146	Consolida regalis Gray subsp. regalis; Hungary, Budapest area,

Resedaceae

82.	G I	79ZE00369	Reseda luteola L.

Rosaceae

83.	S I	78ZS00010	Filipendula kamtschatica (Pall.) Maxim.; USSR, Sakhalin, Juzhnosachalinsk,
84.	G I	00ZG02302	Photinia villosa (Thunb. ex Murray) DC. var. villosa

Rutaceae

85.	G I	72RD00278	Zanthoxylum simulans Hance

Scrophulariaceae

86.	G I	91GR00874	Calceolaria mexicana Benth.
87.	G I	68GR00129	Leucocarpus perfoliatus (Hook.) Benth.
88.	G V	73ZS00019	Penstemon serrulatus Menzies
89.	G I	71ZE00811	Zaluzianskya capensis (Benth.) Walp.

Smilacaceae

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

Solanaceae

91.	G I	89ZE00003	Schizanthus pinnatus Ruiz. & Pav.

Sterculiaceae

92.	G I	87GR00028	Abroma augusta (L.) L.f.

Styracaceae

93.	G I	64RD00305	Halesia carolina L. var. carolina
94.	G I	00ZG01006	Styrax japonica Siebold & Zucc.
95.	G I	00ZG00964	Styrax obassia Siebold & Zucc.

Symplocaceae

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

Taxodiaceae

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

Tovariaceae

98.	G I	88GR00234	Tovaria pendula Ruiz & Pav.

Fig. 4: Tropaeolum peregrinum L. (Tropaeolac.)

Tropaeolaceae

99.	G I	56ZE02149	Tropaeolum peregrinum L.

Urticaceae

100.	G V	68GR00777	Pilea grandifolia Blume

Valerianaceae

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

Verbenaceae

102.	G I	76GR00299	Clerodendrum speciosissimum Van Geert
103.	G I	72ZE02197	Verbena rigida Spreng.

Zingiberaceae

104.	G S	68GR00016	Globba marantina L.; **bulbils!**
105.	G S	89GR00057	Globba winitii C.H.Wright; **bulbils!**

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:

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.
U= Seeds from unknown origin, possibly wild source.

Explanation of abbreviated collector-names:

AMORI	A. Amorim et al.
HVDW	H. v.d. Werff
JCL	J.C. Lindeman
L&G	J.C. Lindeman & A.R.A. Görts
MAAS	P.J.M. Maas
PL	T. Plowman
PLKENN	T. Plowman & H. Kennedy
SEP	Swedish Expedition to Pakistan
STOLZE	R.G. Stolze
WOLB	L.J.W. van den Wollenberg, Curator

Sources of illustrations used:

Fig. 1: Vera Csapody in: Jávorka, Sándor. 1979. Ikonographie der Flora des Südöstlichen Mitteleuropa
Fig. 2: Ronald With in: Soper, James H. 1982. Shrubs of Ontario
Fig. 3: D.B. Lowe in: Smith, G.F. et al. 1984. Primulas of Europe and America
Fig. 4: T. Schipper, Faculty of Biology, Utrecht University

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

Please return this list, **not the Index Seminum**, with the numbers you wish to receive, duly marked to:

Utrecht University Botanic Gardens
P.O.Box 80.162
NL-3508 TD Utrecht
The Netherlands
tel.: ..31 30 531826
fax: ..31 30 535177 (no blue pen)

(Your address)

1	21	41	61	81	101	121
2	22	42	62	82	102	122
3	23	43	63	83	103	123
4	24	44	64	84	104	124
5	25	45	65	85	105	125
6	26	46	66	86	106	126
7	27	47	67	87	107	127
8	28	48	68	88	108	128
9	29	49	69	89	109	129
10	30	50	70	90	110	130
11	31	51	71	91	111	131
12	32	52	72	92	112	132
13	33	53	73	93	113	133
14	34	54	74	94	114	134
15	35	55	75	95	115	135
16	36	56	76	96	116	136
17	37	57	77	97	117	137
18	38	58	78	98	118	138
19	39	59	79	99	119	139
20	40	60	80	100	120	140