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Cultivar Registration, a Joint Effort¹

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Abstract

This paper recommends cooperation between researchers, public gardens and nurserymen in a project to properly name, release and document new plant releases to the industry. Leadership for registration of woody plants not specifically assigned to any other society has been assigned to the American Association of Botanical Gardens and Arboreta (AABGA). Greater participation may be stimulated by publication of articles on registration in various media; development of interactive programs between nurserymen, public gardens, universities and the Office of Plant Patents; involvement of state representatives interested in stimulating the use of the International Code of Cultivated Plants—1980. Programs are in various stages of implementation.

Index words: nomenclature, cultivated plant code, 1980 code, AABGA

Introduction

The American Association of Botanical Gardens and Arboreta (AABGA) has served as the National Registration Authority for cultivar names of woody plant genera not assigned to any other society. The original assignment was made by the American Horticultural Council in 1960. At that time a system of woody plant registration was prepared by the Plant Registration Committee of AABGA based on the 1958 Code.

A request was made in 1978 to C.D. Brickell, Chairman of the Commission for Nomenclature and Registration of the International Society of Horticultural Science to designate AABGA as the North American Coordinator for cultivar registration for all genera of woody plants not currently assigned to an International Registration Authority. Until this time, the American Horticultural Society (AHS) had acted as coordinator for both woody and herbaceous plants.

At the meeting of the AABGA in Hamilton, Ontario, Canada, it was decided that the pages of "The Bulletin" would be opened to all North American registration authorities of woody plants to validly publish the newly registered cultivar names (Article 37). By and large the publication has been most successful for lilacs through the diligence of Freek Vrugtman (Royal Botanical Garden). A few other genera have been registered, described and published through the efforts of Dr. T.R. Dudley (United States National Arboretum) and Dr. Stephen Spongberg (Arnold Arboretum).

The Arnold Arboretum, through the support given by Directors Dr. Richard A. Howard and Dr. Peter S. Ashton, served on behalf of the AABGA for genera of woody plants which were unassigned to a North American or International Registration Authority. In 1981, the United States National Arboretum accepted this responsibility. During that year, three *Prunus* and one *Hibiscus* registrations were processed and approved.

Dr. T.R. Dudley served as Chairman of this committee until September 20, 1983. A new chairman will be named by Joseph Oppe, President of AABGA in the near future. In 1982 and 1983, a few registrations were validated which had no national or international authority designated.

The Code of 1953 was drawn primarily by those interested in horticulture, but agriculturists and foresters welcomed it as a basis for naming their crops. In order to find an organization to which all parties could be represented, the International Union of Biological Sciences was asked whether their Commission for the Nomenclature of Cultivated Plants could undertake this work. Approval was granted. The enlarged Commission modified the code, issued in 1957. This Code was much shorter and arranged for easier use. Basic principles have remained constant. Further revisions were made in 1961, 1969, and 1980.

Needs

Overall, usage of the International Code of Nomenclature for Cultivated Plants—1980, in the United States seems to lag behind that of other nations. In order to improve registration, a more diligent public relations program among universities, arboreta, botanical gardens and industry is needed.

Several proposals that might lead to greater participation from breeders and introducers of landscape, herbaceous, and ornamental plants are:

1. Publication of articles dealing with the purposes, concepts and benefits of international cultivar registration. Dr. T.R. Dudley has spearheaded an effort by preparing a manuscript which will be published in the AABGA Bulletin. Adaptations of the article should be prepared for the *American Nurseryman* magazine, publications of the American Association of Nurserymen, and other magazines prepared for the industry and the popular gardening public. *HortScience* reaches the professional horticulturist, both here and abroad.

2. Develop an interactive program between nurserymen, arboreta and botanical gardens, and the Office of Plant Patents. Since 1981, Plant Patent applications required a cultivar name. Dr. Dudley and others question

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how a Plant Patent examiner determines the validity of a submitted cultivar name. The examiner has not been designated as a Registration Authority. A great deal of confusion exists and urgently needs clarification. It seems that cultivar registration should precede a plant patent application.

At the present time, the Registration Committee of the AABGA and the Committee on Nomenclature and Registration of the American Association of Nurserymen attempt to guide individuals in the proper documentation, application and naming of new cultivars.

The guidelines "Naming and Registering New Cultivars" prepared by the AAN is being revised with assistance from Professor Ruth Kvaalan, Purdue University, to conform to the 1980 code. As most of us know, the same plant may be advertised and sold under numerous "cultivar" names. This leads to confusion, multiplication of non-valid names and disappointed consumers. For example, in 1982, 31 non-registered cultivar names of Lilac were published in AABGA Bulletins. This does not constitute cultivar registration or provide valid publication.

Thus far, most registration procedures have been handled at no charge. Funding has been provided by the Registrar's institution. The individual's time has been either as a volunteer or it has been an overload on his professional responsibilities. Has the time arrived that industry should be asked to financially support the office and functions of international registration? Financial constraints of private or governmental educational and research institutions limit their acceptance of added responsibilities. Individuals serving as international registrars should be trained in taxonomy, be familiar with both the Codes for cultivated and botanical plants, and be located at an institution having an interest in cultivars and maintaining germplasm. Can we recommend individuals or institutions willing to accept the responsibility to the American Association of Botanical Gardens and Arboreta?

In 1978, Dr. Stephen A. Spongberg of the Arnold Arboretum stressed a major problem of registration. Because it is not required under the Code, many names are never registered, with the result that check lists and files of information concerning cultivars remain incomplete. If all new cultivars were registered and registration authorities had complete files, a wealth of horticultural information would be available to the public. All who introduce new plants should be encouraged to register the cultivar names. Following this article is a listing of the most current (as of this writing) registration authorities. Since changes in list names, addresses, etc., regularly occur, AAN will make every effort to have the most current information available and provide it on request.

A suggestion proposed by Dr. Gerald Klingaman, Chairman of the Ornamentals/Landscape and Turf Working Group of the American Society for Horticul-

tural Science involves a commitment from an individual in each state. This person would help find and encourage registration of new cultivars. An *active role* would assure an increase in cultivar registration.

Most of us agree with Dr. Spongberg when he says "the only sure means of documenting the multitude of cultivars with which we are all dealing and to insure that information concerning them will be available in the future is through cooperation of the registration process." It needs to be done today before it is forgotten or lost forever.

Significance to the Nursery Industry

The International Code of Nomenclature for Cultivated Plants—1980 provides guidance to the nurserymen in the naming and documentation of new plant releases. Proper use will alleviate confusion in the naming of plants and provide confidence by the consumer. By conforming to the recommendations, nurserymen will contribute to the knowledge and use of woody plants in his country and, in turn, internationally.

Literature Cited

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4. Dudley, T.R. 1983. Report of the registration and nomenclature committee of AABGA.
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10. Spongberg, S.A., 1981. Cultivar registration at the Arnold Arboretum. AABGA Bull. 15:67-70.
11. Styer, J.F., 1974. Naming and registering new cultivars. Amer. Assoc. Nurserymen. Washington, D.C.
12. Vrugtman, F., 1979. Lilac registrations 1976, 1977 and 1978. AABGA Bull. 13:105-110.
13. Vrugtman, F., 1980. Lilac registration 1979. AABGA Bull. 14:95.
14. Vrugtman, F., 1981. Lilac registration 1980. AABGA Bull. 15:71-72.
15. Vrugtman, F., 1982. Lilac registrations 1981. AABGA Bull. 16:131-132.

International Registration Authorities for Cultivar Names Directory

- Acacia**
Mr. James Bauml
Department of Arboreta and Botanic
Gardens
County of Los Angeles
301 North Baldwin Avenue
Arcadia, California 91106, USA
- Achimenes**, see Gesneriaceae
- Acidanthera**, see Hyacinthus, etc.
- Aechmea**, see Bromeliaceae
- Aglaonema**, see Araceae
- Allium**, see Hyacinthus, etc.
- Aloe**
South African Aloe Breeders
Association
attn: Mr. G. Dednamm
Joseph Bosman Street 477
Silverton
Pretoria 0184, South Africa
- Alstroemeria**, see Hyacinthus, etc.
- X Amarcrinum** (x Crinodonna), see
Amaryllidaceae
- Amaryllidaceae**, incl. Amaryllis, Brunsvigia,
Clivia, x Crinodonna, Crinum,
Hymenocallis, Lycoris and Nerine; excl.
Hemerocallis and Narcissus
The American Plant Life Society
attn: Mr. James M. Weinstock
10331 Independence
Chatsworth, California 91311, USA
- Amaryllis**, see Amaryllidaceae
- Amaryllis**, see Hyacinthus, etc.
- Amelanchier**
University of Guelph Arboretum
attn: Dr. Robert J. Hilton
61 Mary Street
Guelph, Ontario, Canada N1G 2A9
- X Anamea**, see Bromeliaceae
- Ananas**, see Bromeliaceae
- X Androlaechmea**, see Bromeliaceae
- Androlepis**, see Bromeliaceae
- Andromeda**, see Heather
- Anemone**, see Hyacinthus, etc.
- Anomatheca** (Lapeirousia), see Hyacinthus,
etc.
- Apple**, for ornamental cvs., see Malus
- Araceae**
International Aroid Society
P.O. Box 43-1853
South Miami, Florida 33143, USA
- Aulax**, see Proteaceae
- Babiana**, see Hyacinthus, etc.
- Begonia**
American Begonia Society
attn: Mrs. Carrie Karegeannes
3916 Lake Boulevard
Annandale, Virginia 22003, USA
and Mrs. Thelma O'Reilly
10942 Sunray Place
La Mesa, California 92041, USA
- Billbergia**, see Bromeliaceae
- X Billmea**, see Bromeliaceae
- X Billque**, see Bromeliaceae
- Bloomeria**, see Hyacinthus, etc.
- Bougainvillea**
Dr. Bishwajit Choudhury
Division of Vegetable Crops &
Floriculture
Indian Agricultural Research Institute
New Delhi 110012, India
- Brevoortia** (Dichelostemma), see
Hyacinthus, etc.
- Brodiaea**, see Hyacinthus, etc.
- Bromeliaceae**
The Bromeliad Society, Inc.
attn: Mr. Joseph F. Carrone, Jr.
305 North Woodlawn Avenue
Metairie, Louisiana 70001, USA
- Bruckenthalia**, see Heather
- Brunsvigia**, see Amaryllidaceae
- Brunsvigia**, see Hyacinthus, etc.
- Bulbocodium**, see Hyacinthus, etc.
- Buxus**
American Boxwood Society
attn: Dr. Bernice M. Speese
P.O. Box 1589
Williamsburg, Virginia 23185, USA
- Calla** (Zantedeschia), see Hyacinthus, etc.
- Callistephus**
Mrs. Gerda Nolting &
Prof. Dr. K. Zimmer
Institut für Zierpflanzenbau
Herrenhauser Strasse 2
3000 Hannover-Herrenhausen,
West Germany
- Calluna**, see Heather
- Calochortus**, see Hyacinthus, etc.
- Camassia**, see Hyacinthus, etc.
- Camellia**
International Camellia Society
attn: Mr. J.T. Gallagher
Oldfield
Moorlands Road
Verwood, Dorset, England
- Canistrum**, see Bromeliaceae
- X Canmea**, see Bromeliaceae
- Canna**, see Hyacinthus, etc.
- Canisna**
Dr. Stephen A. Sponberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130,
USA
- Chaenomeles**
Dr. Stephen A. Sponberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130
USA
- Chionodoxa**, see Hyacinthus, etc.
- Chrysanthemum**, perennials only
Mr. S.G. Gosling
National Chrysanthemum Society
65 St. Margaret's Avenue
Whetstone
London N20 9HT, England
- Clematis**
Dr. W.A. Brandenburg
Department of Taxonomy of Cultivated
Plants and Weeds
Haagsteeg 3
6708 PM Wageningen, Netherlands
- Clivia**, see Amaryllidaceae
- Colchicum**, see Hyacinthus, etc.
- Columnnea**, see Gesneriaceae
- Conifers**, dwarf and other garden
Royal Horticultural Society
attn: Mr. Humphrey J. Welch
Pine Cottage Arboretum
Gibbs Lane, Morcombelake
Bridport, Dorset DT6 6DT, England
(NOTE: Individual genera of conifers do
not appear on this list)
- X Cooperanthes**, see Hyacinthus, etc.
- Coprosma**
Royal New Zealand Institute of
Horticulture, Inc.
attn: Mr. L.J. Metcalf
- Parks and Recreation Department**
P.O. Box 58
Invercargill, New Zealand
- Cornus**
Dr. Stephen A. Sponberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130
USA
- Corydalis**, see Hyacinthus, etc.
- Cotoneaster**
Dr. Jindrich Chmelar & Ing. A. Nohel
Botanic Gardens and Arboretum
University of Agriculture
662 65 Brno, Czechoslovakia
- X Crinodonna**, see Amaryllidaceae
- X Crinodonna**, see Hyacinthus, etc.
- Crinum**, see Amaryllidaceae
- Crinum**, see Hyacinthus, etc.
- Crocasmia**, see Hyacinthus, etc.
- Crocus**, see Hyacinthus, etc.
- Cryptanthus**, see Bromeliaceae
- X Cryptbergia**, see Bromeliaceae
- Cyclamen**, see Hyacinthus, etc.
- Cypella**, see Hyacinthus, etc.
- Cyrtanthus**, see Hyacinthus, etc.
- Daboecia**, see Heather
- Dahlia**
Mr. David Pycraft
Royal Horticultural Society
Vincent Square
London SW1P 2PE, England
- Delphinium**, perennials only
Dr. Alan C. Leslie
Royal Horticultural Society's Garden
Wisley, Woking, Surrey GU23 6QB
England
- Dianthus**
Dr. Alan C. Leslie
Royal Horticultural Society's Garden
Wisley, Woking, Surrey GU23 6QB
England
- Dichelostemma**, see Hyacinthus, etc.
- Dieffenbachia**, see Araceae
- Dyckia**, see Bromeliaceae
- Endymion** (Scilla campanulata & nutans),
see Hyacinthus, etc.
- Episcia**, see Gesneriaceae
- Eranthis**, see Hyacinthus, etc.
- Eremurus**, see Hyacinthus, etc.
- Erica**, see Heather
- Erythronium**, see Hyacinthus, etc.
- Escallonia**
Department of Botany,
Univ. of California
attn: Dr. Elizabeth McClintock
1335 Union Street
San Francisco, California 94109, USA
- Eucomis**, see Hyacinthus, etc.
- Fagus**
Dr. Stephen A. Sponberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130
USA
- Ferraria**, see Hyacinthus, etc.
- Ferraria pavonia** (Tigridia),
see Hyacinthus, etc.
- Forsythia**
Dr. Stephen A. Sponberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130
USA
- Freesia**, see Hyacinthus, etc.
- Fritillaria**, see Hyacinthus, etc.

- Fuchsia
American Fuchsia Society
attn: Dee Logan
29137 Chuaalar Canyon Road
Chuaalar, California 93925, USA
- Galanthus, see Hyacinthus, etc.
- Galtonia, see Hyacinthus, etc.
- Gesneriaceae, excl. Saintpaulia
American Gloxinia and Gesneriad Society, Inc.
attn: Mr. Patrick J. Worley
1408 Sunset Drive
Vista, California 92083, USA
- Gladiolus
North American Gladiolus Council
attn: Mr. Samuel N. Fisher
11345 Moreno Avenue
Lakeside, California 92040, USA
- Gladiolus (only species and early flowering varieties), see Hyacinthus, etc.
- Gleditsia
Dr. Stephen A. Spongberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130 USA
- Gloriosa, see Hyacinthus, etc.
- X Gloxinera, see Gesneriaceae
- Gloxinia, see Gesneriaceae
- X Guzlandsia, see Bromeliaceae
- Guzmania, see Bromeliaceae
- X Guzvriesea, see Bromeliaceae
- Habranthus, see Hyacinthus, etc.
- Heather, incl. Andromeda, Bruckenthalia, Calluna, Daboecia and Erica
The Heather Society of Great Britain
Mr. David McClintock
c/o the Director of the RHS Gardens
Wisley, Woking, Surrey GU23 6QB, England
- Hebe
Royal New Zealand Institute of Horticulture, Inc.
attn: Mr. L.J. Metcalf
Parks and Recreation Department
P.O. Box 58
Invercargill, New Zealand
- Hedera
The American Ivy Society
attn: Dr. Sabina Mueller Sulgrove
The Cox Arboretum
6733 Springboro Pike
Dayton, Ohio 45449, USA
- Hemerocallis
American Hemerocallis Society
attn: Mr. W.E. Monroe
2244 Cloverdale Avenue
Baton Rouge, Louisiana 70808, USA
- Herbertia, see Hyacinthus, etc.
- Hermodactylus, see Hyacinthus, etc.
- Hesperantha, see Hyacinthus, etc.
- Hibiscus
Australian Hibiscus Society
attn: Mr. Jim Howie
37 Highgate Street
Coopers Plains, Queensland 4108, Australia
- Homeria, see Hyacinthus, etc.
- Hosta
American Hosta Society
attn: Mr. Mervin C. Eisel
University of Minnesota Landscape Arboretum
3675 Arboretum Drive, Box 39
Chanhassen, Minnesota 55317, USA
- Hyacinthella, see Hyacinthus, etc.
- Hyacinthus, and other bulbous and other tuberous-rooted plants, excl. Tulipa, Dahlia, Lilium and Narcissus
- Ing. J.R. Stuurman
Royal General Bulbgrowers' Society
P.O. Box 175
2180 AD Hillegom, Netherlands
- Hydrangea
Department of Botany, Univ. of California
attn: Dr. Elizabeth McClintock
1335 Union Street
San Francisco, California 94109, USA
- Hymenocallis, see Amaryllidaceae
- Hymenocallis, see Hyacinthus, etc.
- Ilex
Holly Society of America
attn: Mr. Gene K. Eisenbeiss
U.S. National Arboretum
3501 New York Avenue, N.E.
Washington, D.C. 20002, USA
- Ipheion, see Hyacinthus, etc.
- Iris, excl. bulbous Iris
Kathleen Kay Nelson
American Iris Society
P.O. Box 37613
Omaha, Nebraska 68137, USA
- Iris (bulbous), see Hyacinthus, etc.
- Ismene (Hymenocallis), see Hyacinthus, etc.
- Ixia, see Hyacinthus, etc.
- Ixiolirion, see Hyacinthus, etc.
- Jovibarba, see Sempervivum
- Kohleria, see Gesneriaceae
- Lachenalia, see Hyacinthus, etc.
- Lagerstroemia
Dr. Donald R. Egolf
U.S. National Arboretum
3501 New York Avenue, N.E.
Washington, D.C. 20002, USA
- Lantana
Dr. Stephen A. Spongberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130 USA
- Lapeyrousia, see Hyacinthus, etc.
- Leptospermum
Royal New Zealand Institute of Horticulture, Inc.
attn: Mr. L.J. Metcalf
Parks and Recreation Department
P.O. Box 58
Invercargill, New Zealand
- Leucadendron, see Proteaceae
- Leucojum, see Hyacinthus, etc.
- Leucospermum, see Proteaceae
- Lilium
Dr. Alan C. Leslie
Royal Horticultural Society's Garden
Wisley, Woking, Surrey GU23 6QB England
- Lycoris, see Amaryllidaceae
- Lycoris, see Hyacinthus, etc.
- Magnolia
American Magnolia Society
interim contact: Mr. P.J. Savage
2150 Woodward Avenue
Bloomfield Hills, Michigan 48103, USA
- Malus, ornamental cultivars
Dr. Stephen A. Spongberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130 USA
- Mango (Mangifera indica L.)
Mr. S.N. Pandey
Division of Fruits and Horticultural Technology
Indian Agricultural Research Institute
New Delhi 110012, India
- Milla, see Hyacinthus, etc.
- Mimetes, see Proteaceae
- Montbretia, see Hyacinthus, etc.
- Moraea, see Hyacinthus, etc.
- Muscari, see Hyacinthus, etc.
- Narcissus
Mr. J. Cowell
Royal Horticultural Society
Vincent Square
London SW1P 2PE, England
- Nematanthus, see Gesneriaceae
- X Neolarium, see Bromeliaceae
- X Neomea, see Bromeliaceae
- X Neophytum, see Bromeliaceae
- Neoregelia, see Bromeliaceae
- X Neotanthus, see Bromeliaceae
- Nerine, see Amaryllidaceae
- Nerine, see Hyacinthus, etc.
- Nidularium, see Bromeliaceae
- X Nidumea, see Bromeliaceae
- Orchidaceae
Royal Horticultural Society
attn: Mr. John Greatwood
13 Courtlands
Haywards Heath, Sussex RH16 4JD England
(Note: Individual genera of Orchidaceae do not appear on this list)
- Ornithogalum, see Hyacinthus, etc.
- Orothamnus, see Proteaceae
- Orthophytum, see Bromeliaceae
- X Orthotanthus, see Bromeliaceae
- Oxalis, see Hyacinthus, etc.
- Paeonia
American Peony Society
attn: Mrs. Greta Kessenich
250 Interlachen Road
Hopkins, Minnesota 55343, USA
- Pancratium, see Hyacinthus, etc.
- Paranomus, see Proteaceae
- Pelargonium
Australian Geranium Society
attn: Mrs. J.D. Llewellyn
"Nyndee" 56 Torokina Avenue
St. Ives, N.S.W. 2075, Australia
- Penstemon
American Penstemon Society
attn: Mr. Carl Amason
P.O. Box 164
Calion, Arizona 71724, USA
- Petunia
Mrs. Gerda Nolting &
Prof. Dr. K. Zimmer
Institut für Zierpflanzenbau
Herrenhauser Strasse 2
300 Hannover-Herrenhausen,
West Germany
- Philadelphus
Dr. Stephen A. Spongberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130 USA
- Phormium
Royal New Zealand Institute of Horticulture
attn: Mr. L.J. Metcalf
Parks and Recreation Department
P.O. Box 58
Invercargill, New Zealand
- Pieris
Dr. Stephen A. Spongberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130 USA
- Pitcairnia, see Bromeliaceae
- Pittosporum
Royal New Zealand Institute of Horticulture, Inc.
attn: Mr. L.J. Metcalf
Parks and Recreation Department
P.O. Box 58
Invercargill, New Zealand

- Plumeria**
The Plumeria Society of America
attn: Mrs. Marie L. McCormick
10227 Inwood Drive
Houston, Texas 77042, USA
- Populus**, forestry cultivars
International Poplar Commission
Via della Terme di Caracalla
00100 Rome, Italy
- Portea**, see Bromeliaceae
- X Portemea**, see Bromeliaceae
- Protea**, see Proteaceae
- Proteaceae**, South African genera only,
incl. *Aulax*, *Leucadendron*, *Leucospermum*, *Mimetes*, *Orothamnus*,
Paranomus, *Protea* and *Serruria*
Mr. J.F. Van Wyk
Director, Division of Plant and Seed
Control
Private Bag X179
Pretoria 0001, South Africa
- Puschkinia**, see Hyacinthus, etc.
- Pyracantha**
Dr. Donald R. Egolf
U.S. National Arboretum
3501 New York Avenue, N.E.
Washington, D.C. 20002, USA
- X Quesmea**, see Bromeliaceae
- Quesnelia**, see Bromeliaceae
- Ranunculus**, see Hyacinthus, etc.
- Rhododendron**, incl. *Azalea*
Dr. Alan C. Leslie
Royal Horticultural Society's Garden
Wisley, Woking, Surrey GU23 6QB
England
- Richardia** (*Zantedeschia*),
see Hyacinthus, etc.
- Rosa**
Mr. Harold S. Goldstein
American Rose Society
P.O. Box 30,000
Shreveport, Louisiana 71130, USA
- Rosularia**, see *Sempervivum*
- Saintpaulia**
African Violet Society of America, Inc.
attn: Janet L. Nichols
9 Clover Hill Road
Poughkeepsie, New York 12603, USA
- Sauromatum**, see Hyacinthus, etc.
- Scilla**, see Hyacinthus, etc.
- Scilla campanulata** & *nutans* (*Endymion*),
see Hyacinthus, etc.
- Sempervivum**, incl. *Jovibarba* and
Rosularia
Mr. Peter J. Mitchell
The Sempervivum Society
11 Wingle Tye Road
Burgess Hill, West Sussex RH15 9HR
England
- Serruria**, see Proteaceae
- Sinningia**, see Gesneriaceae
- Smithiantha**, see Gesneriaceae
- Sparaxis**, see Hyacinthus, etc.
- Sprekelia**, see Hyacinthus, etc.
- Sternbergia**, see Hyacinthus, etc.
- Streptanthra**, see Hyacinthus, etc.
- Streptocarpus**, see Gesneriaceae
- Syringa**
Mr. Freek Brugtman
Royal Botanical Gardens
Box 399
Hamilton, Ontario, Canada L8N 3H8
- Tagetes**
Mrs. Gerda Nolting &
Prof. Dr. K. Zimmer
Institut für Zierpflanzenbau
Herrenhauser Strasse 2
3000 Hannover-Herrenhausen,
West Germany
- Tecophilaea**, see Hyacinthus, etc.
- Tigridia**, see Hyacinthus, etc.
- Tillandsia**, see Bromeliaceae
- Triteleia**, see Hyacinthus, etc.
- Tritonia**, see Hyacinthus, etc.
- Tulipa**
Ing. J.R. Stuurman
Royal General Bulbgrowers' Society
P.O. Box 175
2080 AD Hillegom, Netherlands
- Ulmus**
Dr. Stephen A. Spongberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130
USA
- Urceolina**, see Hyacinthus, etc.
- Vallota**, see Hyacinthus, etc.
- Veltheimia**, see Hyacinthus, etc.
- Viburnum**
Dr. Donald R. Egolf
U.S. National Arboretum
3501 New York Avenue, N.E.
Washington, D.C. 20002, USA
- Vriesia**, see Bromeliaceae
- X Vrieslandsia**, see Bromeliaceae
- Weigela**
Dr. Stephen A. Spongberg
Arnold Arboretum
Jamaica Plain, Massachusetts 02130
USA
- Zantedeschia**, see Hyacinthus, etc.
- Zephyranthes**, see Hyacinthus, etc.
- Zigadenus**, see Hyacinthus, etc.
- Hardy Herbaceous Perennials**, apart from
those genera for which IRA's have been
appointed
Internationale Stauden-Union (ISU)
(International Hardy Plant Union)
attn: Dr. Josef Sieber
Sichtungsgarten
Fachhochschule Weihenstephan
D-8050 Freising, West Germany
- Other Woody Plant Genera**, apart from
those genera for which IRA's have been
appointed
Dr. T.R. Dudley
U.S. National Arboretum
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source.**