



# Primroses

THE QUARTERLY OF THE AMERICAN PRIMROSE SOCIETY

WINTER 2006

VOL. 64

No. 1



# Primroses

The Quarterly of the American Primrose Society

Volume 64 No 1

WINTER 2006

The purpose of this Society is to bring the people interested in *Primula* together in an organization to increase the general knowledge of and interest in the collecting, growing, breeding, showing and using in the landscape and garden of the genus *Primula* in all its forms and to serve as a clearing house for collecting and disseminating information about *Primula*.

President's Message, by Ed Buyarski	5
Growing Primroses From Seed Under Lights, by Ron Driskill	7
Primroses Enrich Lives and Gardens, by Anita Alexander	11
Primroses: A Positive Addiction, by Judith Sellers	25
Gold Lace in Sacramento, by Larry Bailey	27
Plant Portrait: <i>Primula Sikkimensis</i> , by Robert Tonkin	29
2005 Membership List	31

### About the Cover

Front Cover: A winter flowering Dutch hybrid *Primula obconica* brightens a winter day with its delicately fragrant blossoms. Tender, *P.obconica* requires either indoor or greenhouse culture. Grown and photographed by Matt Mattus.

Postmaster: Send address changes to APS Treasurer, Julia Haldorson, P.O. Box 210913, Auke Bay, AK 99821.

Primroses is published by the American Primrose, Primula and Auricula Society, 19933 Cohen Dr. Juneau, AK 99801. Membership in the Society includes a subscription to Primroses, Seed Exchange privileges, and the use of a Slide Library. Dues for individual or household membership in the American Primrose Society, domestic, and Canada are \$25 per calendar year, \$70 for three years or \$350 for an individual life membership. Overseas rates are \$32 per annum, and \$90 for 3 years. Submit payment to the treasurer. Membership renewals are due November 15 and are delinquent at the first of the year.

ISSN 0162-6671



Photo: Matt Mattus

*Douglasia montana* is a more uncommon member of Primulaceae, yet the blossom here does show the family resemblance. It is a high mountain alpine cushion plant with stiff needle-like leaves and is found above 6,000 feet in Montana, Idaho and Utah. It can also be grown in a raised bed, or alpine house.

PRIMROSES • The Quarterly of the American Primrose Society

#### Editor

**Matt Mattus**  
26 Spofford Road  
Worcester, MA 01607  
mmattus@charter.net

#### Editorial Committee

**Michael Plumb**  
**Judy Sellers**  
**Ed Buyarski**

**EDITORIAL** Manuscripts for publication in the quarterly are invited from members and other gardeners, although there is no payment. Please include 300 dpi digital shots (to final print size), they will either be converted to black and white, or used in color. Photo prints on paper, transparencies, or slides are also accepted. Send articles directly to the editor at mmattus@charter.net. Articles composed in Microsoft Word are preferred. APS reserves the right to use submitted articles and pictures for other official APS uses. Primroses, The Quarterly of the American Primrose Society is created on an Apple Mac G4 using primarily the page layout software Adobe InDesign CS and Adobe Photoshop.

**ADVERTISING** Advertising per issue: Rates are available from the Editor. Full color back cover and black and white ads are available. Please contact mmattus@charter.net for more information, rate card and media kit.

#### EDITORIAL DEADLINES

Winter issue	December 10
Spring issue	March 10
Summer issue	June 10
Autumn issue	September 10

**PHOTO CREDITS** All photos are credited and are copyrighted. They remain the property of the photographer.



---

**OFFICERS & BOARD OF DIRECTORS**


---

President	<b>Ed Buyarski</b> P.O. Box 33077, Juneau, AK 99803-3077 (907)-789-2299	amprimsoc@hotmail.com
Vice President	<b>Judith Sellers</b> 300 Frank Youngs Road Unadilla, NY 13849	jsellers@mk1.com
Secretary	<b>Michael Plumb</b> 9341 Kinsley Crecent Richmond, BC V7A AV6 (604) 241-0498	mp-9341-rp@inisphere.com
Treasurer/Membership	<b>Julia Haldorson</b> P.O. Box 210913 Auke Bay, AK 99821 (907) 789-5860	julia-haldorson@ak.net

---

**DIRECTORS**


---

Through 2008	<b>Linda Bailey</b> 1720 Highway 20 East Collville, WA 99114 (509) 684-8936	lbailey@plix.com
	<b>Susan Gray</b> RR #2 South Ohio, NS B0W 3E0 Canada	briarwood@ns.sympatico.ca
Through 2007	<b>Arlene Perkins</b> 580 Perkins Rd. Montpelier, VT 05602	arlnprmsldy@aol.com
	<b>Mark Dyen</b> 132 Church Street Newton, MA 02158	dyenreisen@rcn.com
Through 2006	<b>Rodney Barker</b> 49 Woodcliff Road Newton Highlands, MA 02461	rodney@justice.com

---

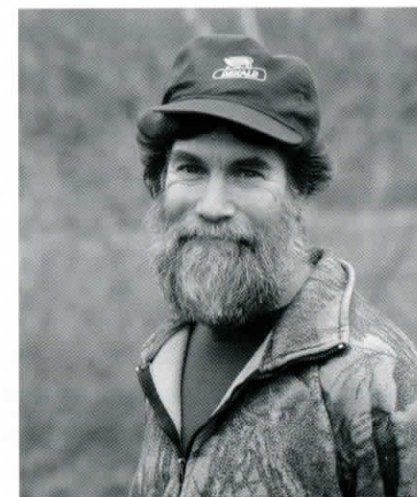
**Statement of Ownership, Management and Circulation**

(Required by 39 U.S.C. 3685) 1. Publication title: Primroses. 2. Publication number: 0162-6671. 3. Filing date: 1 October 2005. 4. Issue Frequency: Quarterly. 5. Number of issues published annually: four. 6. Annual subscription price: \$25.00 US/Canada, \$32.00 foreign. 7. Complete mailing address of known office of publication: American Primrose Society, P.O. Box 210913, Auke Bay, Alaska 99821. 8. Address of headquarters or general business office of publisher: American Primrose Society, P.O. Box 210913, Auke Bay, Alaska 99821. 9. Names and addresses of publisher, editor, and managing editor: Publisher: American Primrose Society, P.O. Box 210913, Auke Bay, Alaska 99821. Editor: Matt Mattus, 26 Spofford Road, Worcester, Massachusetts, 01607-1636, Managing editor: None. 10. Owner: American Primrose Society, P.O. Box 210913, Auke Bay, Alaska 99821. 11. Known bondholders, mortgages, and other security holders: None. 12. The purpose, function, and nonprofit status of this organization has not changed during preceding 12 months. 13. Publication title: Primroses. 14. Issue date for circulation data below: Fall, 2004. 15. Extent and nature of circulation: A. Average number of copies each issue during preceding 12 months: 650. No. copies of single issue published nearest to filing date: 650. B. (1) Paid/requested outside-county mail subscriptions stated on form 3541: average during preceding 12 months, 333; issue nearest filing date, 347. (2) Paid in-county subscriptions stated on Form 3541: average during preceding 12 months, 0; issue nearest filing date, 0. (3) Sales through dealers, carriers, street vendors, counter sales, and other non-USPS distribution: average during preceding 12 months, 0; issue nearest filing date, 0. (4) Other classes mailed through the USPS: average during preceding 12 months, 173; issue nearest filing date, 194. C. Total paid and/or requested circulation: average during preceding 12 months, 506; issue nearest filing date, 541. D. Free distribution by mail: average during preceding 12 months, 0; issue nearest filing date, 0. E. Free distribution outside mail: average during preceding 12 months, 0; issue nearest filing date, 0. F. Total free distribution average preceding 12 months, 0; issue nearest filing date, 0. G. Total distribution: average preceding 12 months, 506; issue nearest filing date, 541. H. Copies not distributed: average preceding 12 months, 144; issue nearest filing date, 109. I. Total: average 650; issue nearest filing date, 650. J. Percent paid and/or requested circulation: preceding 12 months, 100%; issue nearest filing date, 100%. 16. Publication Statement of Ownership required, will be printed in the Fall 2005 issue of this publication. Julia Haldorson, Treasurer; Matt Mattus, Editor.

# President's Message

## ED BUYARSKI

Greetings gardeners; Spring is here—officially at least! I'm sure some of you have primroses blooming in your gardens and lots more to come. This is probably my favorite time of year as the birds return to the north, the plants are sprouting and growing, and even the king salmon will start to appear in greater numbers around Southeast Alaska. Lots of seeds have been mailed out from the Seed Exchange and are being planted for future flowers.



In the second week of March we endured our coldest weather of the winter with my own lows of zero to minus 5 F. With no snow cover this is likely to result in damage to some perennials as well as evergreen shrubs like rhododendrons to be seen in the next few months. As this is the third time in the past four years this has happened after very mild winters, we wonder what is going on. We'll watch to see its effects as our gardens begin to grow. The weather wizards say we are experiencing the La Nina effect in the Pacific again.

Again we must apologize for this late Quarterly and we are still searching for a new Editor to take Matt's place. Write-in ballots for two Board positions are in this issue.

We do have Susan Gray taking over as APS Web Master so watch for changes there and email her with suggestions for improvements.

Sadly, we have lost two fine primrose gardeners in the last month—Caroline Jensen in Juneau and Rosetta Jones in Washington State. Both women were very influential in promoting our favorite plants locally as well as contributing to the Quarterly and in breeding and selecting new and hardy varieties that many of us can grow. More about them will follow.

The National Show near Boston is coming soon and I hope to see many of you there in May.

Please do continue to recruit new members, plant and share more primroses and beautify your surroundings.

Ed Buyarski

---



---

IMPORTANT  
**WRITE-IN BALLOT**  
BOARD OF DIRECTORS

---

Due to two open seats on the APS Board of Directors. We are asking all members to please take the time to either photocopy this page or cut it out, and write in two nominations for the available seats on the Board.

Please mail ballot by May 21, 2006 to:

Rodney Barker  
49 Woodcliff Road  
Newton Highlands, MA 02461



Write in candidate # 1 \_\_\_\_\_

Write in candidate #2 \_\_\_\_\_

---



---

## Growing Primroses From Seed Under Lights

RON DRISKILL

It began like this. Either God, fate, or bad primrose seed conspired against me that first year of sowing, because the first time I ordered a batch of primrose seeds, not a single one (well, maybe one) germinated. Feeling thoroughly burned, I put off ordering primrose seeds again for probably three years until I had fantastic luck with *Primula japonica*, *P. veris* and *P. denticulata*, which I had bought as transplants at a nursery for 99 cents each. Except for *P. denticulata*, the plants produced so many seeds that the ground outside looked like a green carpet the following spring when they germinated. I was amazed!

Figuring that if they could do that well, others could do it, I ordered several varieties from a well-known company in France—Barnhaven Primroses—and in a masterstroke of ingenious decision-making, promptly let them sit in the refrigerator for a year and a half, ignoring them as I continued to landscape the yard with other plants.

In my enthusiasm to get them, I had not properly weighed the consequences and received the seeds before I could prepare beds for them. Anxiety built up as time passed because, despite the refrigeration, I was worried that the seeds might lose their viability.

Then, in August of 2005, I said, “That’s it. They’re getting sown.” And I immediately took half of them out of the refrigerator and sowed each variety in plastic packs that measured 2 in. deep, 3.5 in. wide and 5 in. long. It was the depth of the container that mattered more than anything.

Now, a lot of people would say, “What is that fool doing? Doesn’t he know you’re supposed to sow them in the spring so they can get a good rooting sys-



tem on them by the time fall rolls around?"

Well, yes, you are. But I also thought, "Why can't they be grown under lights? If you can do it with African violets, why not primroses? They both like shade."

So I planted the seeds anyway and left the other half in the fridge, just in case my theory didn't succeed. At least I wouldn't lose all of my seed if it didn't.

### Germinating Your Seed

Many of the books say to germinate your seed at room temperature (between 60 deg. F. and 75 deg. F) if you don't put them through the alternate freezing and thawing cycle outside. I found this to be true, except for *Primula japonica* and its strains, Postford White and Bartley. According to Barnhaven Primroses, these seeds should go through the alternate freezing and thawing process anyway. My room temperature stayed at around 75 deg. F., but I have also germinated store-bought primrose seed at 60 deg. F. in the basement. It just takes a little longer.

The 3.5 x 5 containers that I used were filled almost to the top with a store-bought potting soil consisting of mostly peat moss and some perlite. To make sure the seeds didn't dry out, which had to be sprinkled on top of the soil after it had been wetted down with a soluble fertilizer of 15-30-15 at half strength, I covered the containers with clear Saran Wrap and kept the containers inside the house but out of sunlight.

Germination took about two weeks.

### Pricking Out and Transplanting

When the plants each had four leaves on them (in some cases two, because they germinated later and I needed to get the job done), I transplanted them into cell-paks (six cells to a pak) and put the paks into plastic trays with no holes. By the time I was finished, I had 256 plants in eight trays.

Then I carried the trays into the woods where the primroses could sit in the shade. What sun they received took place late in the day, when the angle of the sun was lowest and less likely to overheat the air inside (the trays were covered with transparent, plastic lids).

Even the two-leaved seedlings survived the transplanting.

The soil that I used came out of the same store-bought bag as the original mix on which they germinated.

### Growing Outside and Watering

By using hole-less trays, I was able to water from the bottom when I found the soil was getting too dry; but that was seldom, as the covers kept the moisture in. Whenever I thought the plants could use some fresh air or needed a release of heat, I would lift the lid up for a few seconds and put it back down. Rocks were used to keep the wind from blowing the lids off.

This is where the plants remained until mid-October, growing very nicely under the covered trays. I fertilized only one other time, again with a half-strength solution.

By mid-October, however, the plants were ready for transplanting to 4 inch pots, which I quickly transferred them into, using the same potting mix as before. Again I used a half strength solution of 15-30-15.

### Growing Primroses Under Lights

Waiting for the plants inside my basement was a \$1,150, four-tiered fluorescent light stand that held four fluorescent bulbs at each level. I had bought the stand in preparation for the primroses.

Making sure I had alternating "warm" and "cool" fluorescent bulbs at each tier of the stand (two bulbs of each), I placed the plants under the lights around October 15th and kept the lights about four inches above the primroses as they grew.

The basement temperature stayed between 56 deg. F. and 60 deg. F.

How long they stayed under the lights each day varied, as I did not have an automatic timer. So they were flooded with light when I remembered to turn them on and they were flooded with darkness when I forgot to turn them on. Sometimes they would go for 12 hours or more without light and sometimes they would get a full 24 hours worth of light. The least amount of light they ever received was six hours. I suspect this latter amount would be just fine every day if a person had an automatic timer.

Because of the width of each tier and the fact that I had four lights at each one, I was able to lay the trays crosswise and give all of the primroses maximum light except for the very ends; but because they are shade loving, this didn't cause any real problems.. All I had to do was occasionally turn the end



plants around so they would grow straight—or nearly so.

#### Watering and Fertilizing

Watering was something of a challenge. If I watered from the top, the water ran off the leaves into the tray, especially as they got larger, and I could never be sure if enough of the liquid was getting to all the roots. So I watered from the bottom.

Even so, the heat from the overhead bulbs and the dryness of the basement evaporated the water more quickly than I anticipated and I often found the plants in the wilting stage when I went downstairs.

A good rule of thumb seems to be—fill the trays with water about every 3 days but try not to leave the roots standing in water.

You may want to fertilize at least one more time with half strength 15-30-15. There sometimes is yellowing of the leaves, especially as the plants get older. As time goes on, some of these leaves will turn brown and die. This may be due mostly to the watering-wilting problem, but it could also be due to the roots standing in water too long.

Other possibilities are too much light, lack of fertilizer, and genetics. For instance, some of the plants germinated yellow and have remained so, but none have died. Some are even starting to develop more green.

All varieties that I germinated are successfully growing under lights and they are as follows: Spice Shades (Polyanthus), Double Primroses, Mixed Cowichan, Indian Reds (Polyanthus), Mixed Julianas, Springtime (Acaulis) and Daybreak (Polyanthus). All are now in flower (February) and will be planted outside when the spring comes. Obviously, primroses can be grown as ornamentals for inside the house as well.

There is a lot more work needed to determine which varieties and species can grow under light and the best way to do it. This is where the research of others can come in handy. I will be trying other varieties and species and will be trying to perfect the technique as time goes on.

*Ron lives at the easternmost tip of Zone 5B in Hubbards, Nova Scotia. He is growing several different varieties of primroses under lights and is planning to test them outdoors to see if they can survive the winters there. Ron holds a Bachelor of Science degree in Biology, Geography, Agriculture and Geology, and has several years of teaching experience.*

## Primroses Enrich Lives and Gardens

ANITA G. ALEXANDER

Why grow primroses? There may be as many reasons as there are people who enjoy them. What I will focus on are people of the past whom I credit with creating public knowledge and use of primroses in their vast variety. The first person I'd like to mention is Florence Bellis. Her maiden name was Levy before her marriage to Bob Bellis, about the same time as my 1954 marriage to Lu, and my subsequent move to Portland, Oregon. Florence published a catalogue that instructed and entertained, convincing the reader that these plants are essential to a happy life.

Now Daniel Hinkley of Heronswood, in Washington, publishes a catalogue of magic words. His knowledge and humor remind me of Florence's catalogue of Barnhaven primroses. Florence grew primroses to survive the Depression, when being a concert pianist did not earn a living wage. At first she grew tomatoes for market and lilies for Jan deGraaf while the English seed she ordered sprouted and grew. Her objective was to create perennial plants in the (below left) Vernales group that were superior in color and form to what was available at the time, and able to reproduce true to color and the same or better in form. Once she selected a plant and used it for seed, she discarded



A photo of Florence Bellis, from the October 1953 Quarterly of the APS.



it, because the seedlings from the cross would have some superior offspring to use for future breeding. Her basic income was from sales of plants. Local publicity sold the plants and a share of the seeds.

Through talks to horticultural groups and newspaper articles, Florence Bellis created enthusiasts that helped her to form the American Primrose Society in 1941. The first quarterly was mimeographed. In the winter 1967 (vol. 25) Primrose Quarterly I quote from an interview with Rae Berry concerning the early years of the Society--- "So few realize what a really great editor she was, that decade or more of the early years. She was so resourceful, so imaginative---a splendid Editor". This is high praise from Rae Berry who allowed no deliberate hybrids in her garden, excepting her magnificent show auricula. When she felt she was getting ready to retire, Florence searched long and hard for someone to sell her Barnhaven line to. In the late 1970s, she found that Jared Sinclair had her eye for color and form, and he was also an effective businessman.

Rae Berry of Portland, Oregon, grew seedlings in flats in her house early on. Rae and her husband purchased land on what was then the outskirts of Portland, with a variety of growing sites, from bogs and a spring, to woods and dry sunny areas. They had an established garden there when we became friends in the mid fifties. The plant no one else had was the one she wanted, because her objective was to increase the horticultural base in the Pacific Northwest. Rae had five focuses; primula; rhododendron; magnolias, alpines, and natives. She traveled extensively, selecting and importing from many continents. She bought shares in plant expeditions in the early 1900s to places such as Asia and South America.

Plants from the expeditions are in her gardens. She had been deaf since childhood, and learned to read lips. Rae could read Florence's lips but not mine, and once told me that I was a hopeless case. She talked to me and I wrote notes in return, and even letters when she asked for details. Once, when I admired her courage, she laughed in return, "at least my journeys are quiet" she replied. Rae had no expectation that her garden would survive her death. "It is important only to me" she once said.

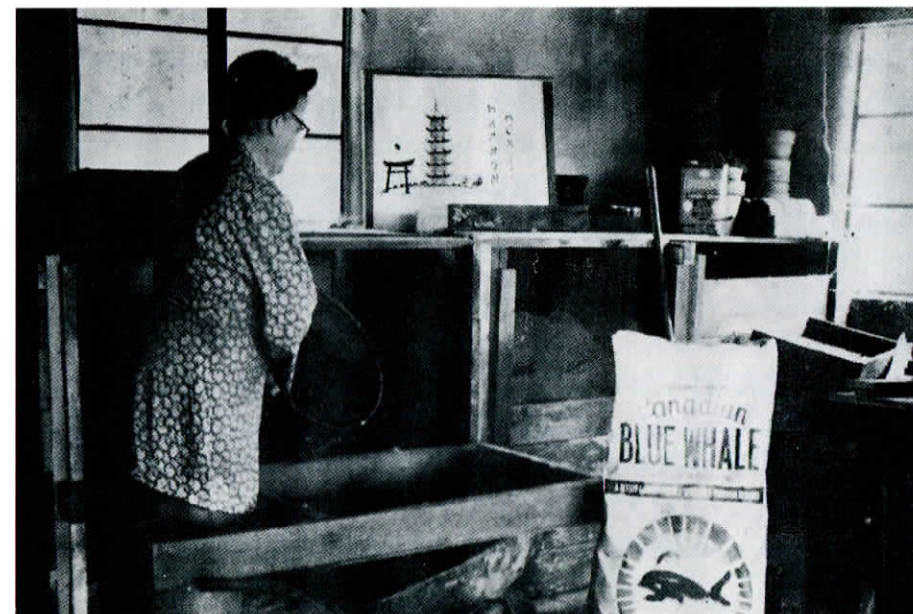
Rae's garden was featured in the spring 1967 Quarterly (25 v. 2). The banker selling the estate was given a copy. He called me and four other people, each representing the plants groups she had collected, to help him set a price

on the plants. We formed the idea of saving Rae's collection as a botanic garden. Ed McRae evaluated the garden to see if it had the potential to become a botanic garden.

Ed had held a managerial position at the Edinburgh Botanic Garden for years before he came to Oregon to manage and do lily breeding for Oregon Bulb Farms. He thought creating a botanic garden with Rae Berry's garden was possible, and offered to help if the five of us could raise the money. Fund-raising to purchase the garden, and negotiations with neighbors and developers, were successful, and the Berry Botanic Garden became reality in the mid 1970s. Ed and I served on the Berry Garden board for a long time. He expanded the primula beds, as he could get seed from botanic gardens worldwide. He still thinks lilies are easier to grow than primroses.

In the late 1950s, I joined a horticulture group touring gardens and was lucky Maude Hannon's was included. The candelabra beds intrigued me. Never had I seen such beauty in a boggy place. Maude was not there, so I wrote a thank you letter expressing my gratitude and interest in acquiring seed.

Below, in a photo from the July 1956 issue of the APS Quarterly, Mrs. Maude Hannon is seen in her potting shed with the winter stores of leaf mold and sand. She sifts equal portions of the (No Longer available) 'Blue Whale' Impregnated Peat Moss, sand and the best loam obtainable into the wheelbarrow, through a quarter inch screen mesh.





Our acquaintance ripened into lifelong friendship.

Maude was the daughter of American missionaries in China who had arranged her marriage to someone she did not like. She could not get a divorce, but she left the marriage and supported herself selling Remington typewriters in towns up and down the Yangtze River. Several Inns had candelabra primroses edging little streams. She was determined to have those, some future day, when she might have a garden of her own. She left China and came to Portland when she was middle aged. She paid her way to Oregon teaching passengers how to play Mah Jong, a fad at the time.

A Portland attorney, the very Irish Patrick Hannon, secured her divorce. They became friends, and married. He was proud of the Chinese influenced house and acres of gardens she created. Sweeping lawns and terraces faced Oatfield road in front. She had perennial borders, one backed by a rock wall containing a rock she had taken from the Great Wall of China. It was about the size of my fist and getting covered with lichen when I saw it. She still felt guilty about taking it, so I was quite honored to be shown her rock of memories. Several acres of land behind the house had a high water table with little creeks and bogs. By the time I met her, these capable people were elderly, and their financial circumstances had changed. She had one gardener, an ailing husband, and her Asian primula in the remaining garden.

In the 1940s there were many local members of the American Primrose Society. I think these three women, Florence Bellis, Rae Berry, and Maude Hannon, were key in increasing primula knowledge and use among gardeners in the Pacific Northwest. These three women and their helpers created plantings in many public places, such as roadsides and city parks, and the Bonneville dam grounds. As a result of their efforts, many people learned about the great color range and plant diversity in this large genus.

Dorothy and Herb Dickson in Seattle Washington contributed a lot in the 1950s and 1960s for the rest of us to build on. Dorothy learned judging from Florence Bellis. Herb belonged to every plant society with a seed exchange. He planted and grew a great variety of whatever he could get. His seed flats were stacked in rows outside, out of the wind. He covered the tops with white cloth, and paid enough attention to it to take the cloth off when the seedlings poked up. The Dicksons were most generous, sharing information and plants,

and leading study groups. They always had the coffee pot on, the cookie jar full, and new pictures and stories to tell. Alice Hills Baylor and Elmer Baldwin were active members of the APS in the northeast during this time period. They provided leadership in their areas and served on the national board for many years.

Beth Tait is another Seattle member who contributed much to the Society for a long time. She served as Treasurer for many years, and did a great deal of work keeping people involved and their memberships up to date. We used to talk about her, forever wondering how in the world any one person could get all that work done in one day, day after day. She was another one with full cookie jars and coffee. Customers came daily for hen, duck, and goose eggs, and a variety of annuals and perennials, potted up and ready to go. She supplied display gardens with *P. polyanthus*, *acaulis*, and *juliae* to display in large beds. Her seed stock came from Florence, then Sinclair.

Years before my marriage to Lu Alexander, while living near Bend Oregon, I had grown Barnhaven primroses. A decade later, in the late 1950s, I asked Lu to buy a dozen plants from Florence Bellis for my Christmas gift. She had a well-designed catalogue that sold the plants itself. I was also intrigued by *Primula reidii* var. *williamsii* I saw in a Portland garden show, and a garden tour of Maude Hannon's gardens that included "Pagoda" candelabra crosses in her bog gardens. When Lu bought the primroses from Florence, she told him to have me come out and see her garden. This kind of invitation was unusual for Florence; I can only assume she was charmed by my charming husband. We went out to visit and talked about plants for a long time. She encouraged me to join the APS and work with the plants she particularly liked. Once I joined the APS, I discovered most everyone was interested in auricula and vernaes. However, I had a perfect boggy wet place for candelabras. I grew thousands in three areas. I was interested in trying to make the seedlings I had better, and started hand pollinating. My teachers were Florence Bellis and Maude Hannon. Maude had developed screens to keep insects from interfering with the hand pollination efforts. I screened the best plants. I planted the current year's seed in September, in flats, and transplanted into tilled ground in early spring. I grew other species in small patches. I grew a few hundred polyanthus, *acaulis*, and *julianas* in dryer ground, good soil for a variety of plants. My auricula lived in town where I could watch them more closely. In



early years I gave most of my seed to seed exchanges, and traded seed for nursery stock and seed to develop the area where we later built our house. My hand pollinated primrose seeds financed my trades for other seeds and plants. I like to stand under my big magnolias and brag that I grew most of these trees from seed. One of my favorites that I grew from seed is a Himalayan pine from Rae Berry's garden. This tree has produced hundreds of little trees for plant sales. When Florence sold Barnhaven to Sinclair, I traded candelabra seed to Sinclair for double auricula and other primrose seed.

Florence and Rae dragged me into editing the Quarterly. I inherited a Quarterly that was in debt. At the end of my three-year service, we had enough funds to print a dictionary. Back then we had to lay out the pages with cut-and-paste hand layouts. I enjoyed working with the printer. From then to now, I have continued my interest in the APS and in primroses. They are incorporated into my landscape. I have been involved in numerous garden societies and botanic gardens over the years. The great variety in primula species offers opportunities for gardeners in many climates, elevations, and soils. If you want an easy plant to grow, there is a primrose for you. If you want a huge challenge there is another primula just for you. My early interest in primroses created a thread of great experiences winding through the years.



A photo of the author Anita Alexander (left) and her son Stephen from the Summer 1962 issue of the APS Quarterly. The photo was taken at the Milwaukee, Oregon Show.

Photo by Orval Agee



CLOCKWISE FROM ABOVE: Ron Driskill, a member from Nova Scotia shows us that one does not need greenhouses or cold frames to grow primula, he succeeds nicely with plants under lights where he can enjoy many primula, like these, during the long Canadian winter.



All Photos: Ron Driskill





ABOVE: The New England Chapter entered an award winning display in the 2006 New England Flower Show, in Boston in early March. Plants had to be forced under glass and lights by chapter members, throughout most of the winter, with the tricky task of getting the plants to bloom for the exact week of the show. Designed by Rodney Barker, Mark Dyen, Susan Schnare and Matt Mattus. BELOW: Plants wait to be loaded into the editor's car to be entered at 2005 National Show, in Boylston Massachusetts. Plan to attend this year and enter some of your plants.



Photos This Page: Matt Mattus

THE NEW ENGLAND PRIMROSE SOCIETY PROUDLY INVITES YOU TO

# THE 56th NATIONAL PRIMROSE Show

OF THE AMERICAN PRIMROSE SOCIETY



MAY 5th - MAY 7th 2006

AT TOWER HILL BOTANIC GARDEN, BOYLSTON, MA







ABOVE AND RIGHT: In Larry Bailey's Sacramento, California garden, Gold Lace Primula are breaking the rules by growing in hostile growing conditions, proving that a clever gardener, can succeed if the right micro-climate can be found. BELOW: While the rest of the country waits for spring, winter-blooming species like this pink *P. obconica* thrive in a California winter. BOTTOM RIGHT: In Boston, *P. denticulata* is often the first primrose to poke through the ground in late winter.



Photos: Larry Bailey



Photos: Matt Mattus

ABOVE: A cold greenhouse in February, shows off its best blue and gold. It features not only hardy and tender bulbs from both hemispheres, it also can house frost tender Primula like *Primula x kewensis*, (center right) and *P. obconica* (upper right). This greenhouse at the home of Matt Mattus is located in central in Massachusetts and although it can be near zero degeegrees F. outside, it never drops below 45 degrees F inside.



## Pins + Thrums

noteworthy bits



Photos: Matt Mattus

## Never discuss Politics, Religion and Primula The Supreme Court, Darwin, and a Primrose?

*Primula x Kewensis* (*P. floribunda* x *P. verticillata*) is a vigorous hybrid raised at Kew in 1912. It remains a controversial plant since it is considered by evolutionary geneticists as proof of speciation. *P. x kewensis* has been mentioned in recent Federal Court articles as used in arguments against introducing intelligent design into the public school curriculum. Regardless, it is a wonderful, fragrant, albeit frost tender, primrose for a cool window or cold greenhouse. This plant, grown by Matt Mattus, was a gifted seedling from Judith Sellers. It has been in bloom since Christmas, and is still in bloom in mid-March.



Photos: Matt Mattus

ABOVE AND LEFT: In the alpine house, the first primula to bloom are often *P. allionii* hybrids, *Primula* x *Berniae* 'Windrush' (above) and *P. allionii* 'Broadwell Milkmaid' (left). Another primulaceae family member, the Cyclamen are finishing their season in March. The common florist Cyclamen is bred from the species, *C. persicum*, (below left), native to Algeria and Lebanon, *C. pseudo-ibericum* (below, right), is another middle eastern Cyclamen that too blooms in March, signaling an end to the winter Cyclamen season.







If one wishes to have primroses all winter indoors, perhaps no better choice can be had than *Primula obconica*. Once shunned by those with sensitive skin, modern hybrids have a reduced amount of primulin in the leaf hairs, the chemical agent that can produce dermatological irritation. Thanks to Dutch plant breeders, new hybrids are now marketed that not only are irritant free, they come in a wide range of complementary colors such as peach, periwinkle and salmon.

## Primroses: A Positive Addiction

JUDITH SELLERS

*Dr. William Glasser usually writes books of theory and advice for educators, but in his Positive Addiction, (Harper Colophon Books, 1976) he offers at least a partial explanation for why so many of us maintain an almost obsessive dedication to Primulas.*

There are many activities which function as positive addictions in the sense that we feel compelled to do them, but unlike negative addictions, find that engaging in those activities is actually beneficial to our emotional and physical well-being. Glasser says that positive addictions “strengthen us and make our lives more satisfying,....increasing confidence, creativity, happiness, and usually, better health.”

Pursuits as diverse as painting, sports, model building, music, meditation, hiking, and gardening all qualify as positive addictions because they provide us with activities in which we may ‘lose ourselves.’ Time passes without our awareness, the cares of the world fade, and we gain a sense of contentment when we are engaged in these activities. Most of these things are done alone, with time to think and reflect, in quiet surroundings, often close to nature. While ‘gardening’ in general may be an excellent hobby, the breadth of activities it encompasses is too great to qualify as a really intensely positive addiction. Reading, designing, shopping, planting, arranging, digging, weeding, and a host of other things are necessary for ‘gardening,’ so one is never done: no one has a ‘finished’ garden. Each of us has probably developed a narrower set of activities involving just a few species or plants from our favorite genus. We have better control of, and gain greater satisfaction from, a more focused interest.

With growing auriculas in pots, to expand the theory through just one example, there are specific tasks, such as mixing composts, seeding, repotting, hand pollinating, removing faded flowers, picking off dead leaves, watering, and charting results. Each task forms a pattern, follows set rules for proper com-



pletion, has a proper time and method ( though these may vary greatly from one gardener to the next) and each requires us to make small, but important decisions. When the tasks are done, (though we may say we dread the prospect of even beginning them, and know they will have to be done again,) we feel a sense of completion and success. If we choose to place plants on the show benches, there is an additional set of tasks, also very rewarding and satisfying, especially if the rewards include cards or ribbons, social status, and good company.

The next time you are working in your garden, greenhouse, frame or window with your plants, or even reading a catalog or book about Primulas, stop to examine your state of mind for a moment. If Dr. Glasser is right, you will feel generally well, knowing that you are doing something worthwhile, and hoping that it is something you will be able to continue to do, expand upon, or become even more familiar with. It's nice to know that Primulas contribute to making us more healthy, happy, confident and creative people, and that it is actually good for us to succumb to this addiction.

*Primula acaulis* blooms a day after being covered with 6 inches of early spring snow.



## Gold Lace in Sacramento: Larry's Believe it or not

LARRY BAILEY

"You've got to be kidding!" A knowledgeable horticulturist friend proclaimed when I confided in him that I had a few Gold Lace Polyanthus secretly growing in Sacramento. "Have they bloomed yet?", he suspiciously asked.

Admitting that I had never seen them bloom, I went on to explain to him that they were struggling with the heavy shade, lack of watering at times, dogs running loose and digging in the flowerbeds, and customers and workmen stomping through the beds.

That was a couple years ago, when I still had a few of the plants in the courtyard of our bookstore and coffeehouse. The courtyard was covered by a very heavily shaded arbor that never saw any sun and was overgrown with Kiwi. This past year, we closed the store, sold the property and I moved a few plants out of the courtyard into our small back yard at home. Some of those plants were the very small remnants of the plants of the Gold Lace Polyanthus that I had never seen bloom.

I planted them in a partially shady area under a young apricot tree and an area that was in full shade from an aging wood fence three months in the winter. During the summer months, the plants do get some direct sun for a few minutes in the morning. The yard, like most urban yards in the Sacramento Valley, has an automatic sprinkler system. During the hot, dry summer months, if a person forgets to water the garden for a few days the plants are toast.

The Gold Lace plants were originally given to me by a friend, Kris Tondee, who purchased them in a Bay Area nursery some years ago. After he planted them he said, "Of all the people I know in Sacramento, you are the only one that might be able to grow these plants".



When I transplanted the *Primula* plants in the early spring of 2005, I was intrigued that the root structures on each cultivar were different. All the plants were very small, showing the neglect and lack of sun they had received in the courtyard. I planted the plants with lots of sterile cow manure. (Our back yard is a typical, older, urban back yard; full of roots, buried building materials, and what not. The growing condition changes every few feet in any direction).

Much to my delight, the few plants grew and thrived. They lasted through the very hot, dry summer months of June, July and August (Sacramento does not usually receive any rain from mid May until mid October), and the cold, damp heavy monsoon seasons of November, December and the first part of January. At the end of January and now, into February and March they are blooming. The leaves are full, deep green and look really great without too many mite, aphid, heavy slug or other insect bits (I do not think they have found the plants yet!). Although the blooms are not show quality (thruemed, etc), they are, without doubt, Gold Lace Polyanthus. A couple of the cultivars show very acceptable lacing characteristics. I am looking forward to trying my hand at pollinating the more promising cultivars.

Most of the *Primula* grown in the Sacramento Valley (Polyanthus, *P. obconica*, *P. malacoides*, etc.) are planted as early spring annuals for quick splashes of color, without any intent of utilizing the perennial characteristics of the plants. But, with some filtered shade during the summer months, water and organic fertilizers, the common *Primula* forms can be easily grown as perennials in the Sacramento and Central Valley of California. The neat thing about growing *Primula* around Sacramento is the little garden pests (slugs, snails, mites, aphid, cutworms, etc.) have not yet developed the full appreciation for tender *Primula* leaves, petals and roots like their gluttonous cousins in the Pacific Northwest. With a little care, the chewed petals and leaves can be kept to a minimum. Because of the tempered climatic zones, these *Primula* start to bloom in January and extended their blooming season until the end of March into April.

After the Gold Lace finish blooming this spring, I do plan on dividing and transplanting them to other areas of the garden and sharing them with friends. I do not think that I have started another Gold Rush, but maybe with a little encouragement, other growers might pick up the challenge of growing these show plants. My next efforts will be *P. auricula*.

---

## PLANT PORTRAIT

---

### *Primula sikkimensis*

ROBERT TONKIN

*Primula sikkimensis* occupies perhaps one of the largest native geographical regions of all primula, encompassing over two thousand kilometers from Nepal through the Chinese provinces of Yunnan and Sichuan, into Sikkim (where it get's its name), through Tibet and extending all the way into Assam and northern Burma. The species also supplies the name to the Section, of which it is a member, along with *P. alpicola*, *P. florindae* (for which it is often mistaken), *P. waltonii*, *P. ioessa*, and a few lesser know members.

The plant was brought into western cultivation by Hooker in 1849 from plants returned from Sikkim. Ludlow and Sherriff, Ward and Forrest have all introduced variations since then, attesting to the very wide geographical range in which they can be found. All described the native habitat from which they came as very wet alpine meadows, usually in glacial valleys. All were found in abundantly fertile, moist, humus rich soil that was well drained. Alpine stream banks, scree, and open meadow all provide home to a very vigorous and easily self sowing primula. Cool and moist seems to be the best environment to enjoy success with the plant; a habitat shared by most other primula.

Similar to other members of the section, *P. sikkimensis* sports large deep green elliptical leaves rising from a foot to about eighteen inches. Stems can grow two to three feet tall. At the top of the stem erupts a spray of yellow, individually calyxed (one stem a few inches long to one flower) bell shaped blossoms that are usually all facing down (nodding). Blooms often number one to two dozen off the larger stem top. You will find the tips of the flowers to form a sharper "point" than most of the other members of the section, which



tend to have more of a curve to the flower petal edge.

*P. sikkimensis* is often confused with *P. florindae*. One of the methods to differentiate between the two is by noticing that the leaves of *P. sikkimensis* are narrower and attenuate. "Attenuate": another one of those botanist words to be learned by this old dirt gardener. Attenuate means "to make slender, fine or small... to become thin, weak or fine." So... the leaves of one are broad all the way down to where the leaf ends on the stem, the other leaf gradually narrows to the stem. Already mentioned is the observation of the flower petal being less curved than *P. florindae*. I have also found the calyx to be noticeably longer on *P. sikkimensis* plants than on *P. florindae*. This may be a local trait, but I don't think so. Plants bloom mid season, usually June, and always provide plenty of seed if allowed to do so.

In a garden setting the best way to describe the difference is in overall form. *P. florindae* tends to be a bit more "coarse", meaning a plant that is larger and fuller both in leaf and blossom. *P. sikkimensis* tends to be a bit more "refined", with each calyx and blossom given enough room off the top of the stem head to "show its stuff" in an un-crowded fashion. The effect can be quite pleasing to the eye, especially against a back drop of iris or other blue or purple plants. I have seen pictures from native habitats where acres of them grow along side *P. secundiflora*, with its purple bells, similar in stature to *P. sikkimensis*, and the image is nothing short of breathtaking.

*Robert Tonkin is currently the Juneau Chapter president and past editor of Primroses.*

Primula, John Richards, 2003, Timber Press publisher

The Genus Primula, Josef J. Halda, 1992, First Edition, Tethys Books publisher

Webster's New World Dictionary, Third College Edition, 1988, Simon & Schuster, Inc

## IN ERATTA

We apologize for the errors with photo captions that occurred in the article "Finding Primroses: Great Plant Explorers in the summer 2005 issue of *Primroses*."

p.13 – The image accompanying the article is actually of Joseph Rock on horseback

p.14 – George Sherriff is holding the umbrella, not Frank Ludlow

p.17 – This image is of the Moongate of the China Inland Mission in Dali (Tali or Talifu) in 1904 or 1905.

## 2005 MEMBERSHIP LIST

### UNITED STATES

#### ALABAMA

Blue, John R., P.O. Box 238, Vandiver, AL 35176

#### ALASKA

Alexander, Susan, 9627 Kelly Ct, Juneau, AK 99801  
 Antrim, Vivian, 22855 Glacier Hwy, Juneau, AK 99801  
 Arant, Sally Goodwin, 3021 De Armoun Rd., Anchorage, AK 99516  
 Barton, Sharon, P.O. Box 240070, Douglas, AK 99824  
 Beadle, Stan, 4660 Glacier Hwy, Juneau, AK 99801  
 Bibb, Sally, 5550 Thane Rd, Juneau, AK 99801  
 Buell's, The, P.O. Box 32319, Juneau, AK 99803-2319  
 Burns, Mary Jo, 4169 Westwood Dr., Anchorage, AK 99517-1035  
 Buyarski, Edward, Ed's Edible Landscaping, P.O. Box 33077, Juneau, AK 99803-3077  
 Carls, Becky, 3001 Fritz Cove Rd., Juneau, AK 99801  
 Dahlberg, Sigrud, 7655 N Douglas Hwy, Juneau, AK 99801  
 Daniels, Robert L., P.O. Box 20511, Juneau, AK 99802  
 Dick, Paul E., 2906 Blueberry Hills Rd, Juneau, AK 99801  
 Finney, Pamela, P.O. Box 23096, Juneau, AK 99802  
 Gregovich, Laura, P.O. Box 210725, Auke Bay, AK 99821  
 Griffin, Michael N., P.O. Box 20530, Juneau, AK 99802  
 Haffner, Misty, 8118 Hamstead Lane, Juneau, AK 99801  
 Hagevig, Rosemary, P.O. Box 240423, Douglas, AK 99824-0423  
 Halderson, Julia L., P.O. Box 210913, Auke Bay, AK 99821  
 Hall, Debra, 1110 Stellar Way, Kodiak, AK 99615  
 Hauck, Judith K., 10624 Starlite Court, Juneau, AK 99801  
 Hein, Berni, 624 W 10th, Juneau, AK 99801  
 Helm, Bob, 4447 Eyelet Ct, Juneau, AK 99801  
 Hinchey, Debbie, 1474 Virginia Court, Anchorage, AK 99501-4928  
 Hudson, Nancy, 10437 Fox Farm, Juneau, AK 99801  
 Humphreys, Julianna, 327 - 7th Street, Juneau, AK 99801-1119  
 Jefferson, Mary, 9351 Miner Dr., Juneau, AK 99801-8015  
 Jensen, Caroline, 23035 Glacier Highway, Juneau, AK 99801  
 Karlsson, Meriam, 303 O'Neill Bldg., University of Alaska, P.O. Box 757200, Fairbanks, AK 99775-7200  
 Lafavour, Scott, 2433 Engineers Cutoff Rd, Juneau, AK 99801  
 Lobaugh, Dr. Cliff, 3340 Fritz Cove Rd., Juneau, AK 99801  
 Mallinger, Sharon, P.O. Box 211308, Auke Bay, AK 99821  
 McCormick, Donna, P.O. Box 240312, Douglas, AK 99824  
 Meek, Carla, 16185 Pt Lena Way, Juneau, AK 99801  
 Merriman, Suzanne G., 3513 W 79th Ave, Anchorage, AK 99502  
 Middleton, Jane, P.O. Box 15293, Fritz Creek, AK 99603  
 Moline, Mary S., 9601 Copper Dr., Anchorage, AK 99507-1205  
 Mosher, Linda, P.O. Box 240532, Douglas, AK 99824  
 Munk, Kristen M., P.O. Box 34356, Juneau, AK 99803

Nielsen, Sue, 2150 Glacier Hwy., Juneau, AK 99801  
 Nord, Elfrida, 1135 Slim Williams, Juneau, AK 99801  
 O'Brien, Sr., John A., 9450 Herbert Place, Juneau, AK 99801-9356  
 Pearson, Helga, 8216 Cedar Drive, Juneau, AK 99801  
 Pfirman, Sukey, 9089 Ninnis Dr, Juneau, AK 99801  
 Powelson, Lee, P.O. Box 101606, Anchorage, AK 99510  
 Preston, Jane, P.O. Box 210348, Auke Bay, AK 99821  
 Rasmussen, Mrs. Loren, 4020 Spruce Lane, Juneau, AK 99801  
 Reid, Jani, 4293 Marion Drive, Juneau, AK 99801  
 Rickey, M'lva, P.O. Box 20330, Juneau, AK 99802  
 Rushmore, Carol, P.O. Box 2132, Wrangell, AK 99929  
 Sandor, Lenore, 3311 Foster Ave., Juneau, AK 99801-1926  
 Shiits, Linda, 2345 Ka See An Dr, Juneau, AK 99801  
 Shoultz, Rita Jo, P.O. Box 15226, Fritz Creek, AK 99603  
 Silides, Hunter, 411 Gold St, Juneau, AK 99801  
 Simpler, Bronwyn, 3027 Mill Bay Road, Kodiak, AK 99615  
 Simpson, Ellen, 2900 Porcupine Trail Road, Anchorage, AK 99516  
 Simpson, Marion, 1310 Fritz Cove Rd., Juneau, AK 99801-6808  
 Smith, Don, P.O. Box 22211, Juneau, AK 99802  
 Snow, Adrienne, 4016 Spruce Lane, Juneau, AK 99801  
 Sommers Brand, Chrystal, P.O. Box 211287, Auke Bay, AK 99821-1287  
 Swanson, Felicia, 4525 Wood Duck Ave, Juneau, AK 99801  
 Taylor, Carol, 8922 Tanis Dr, Juneau, AK 99801  
 Tonkin, Kerri, 3155 Pioneer Ave, Juneau, AK 99801  
 Tonkin, Robert, 3155 Pioneer Ave., Juneau, AK 99801  
 Trott, Kristine, 19100 Williwaw Way, Juneau, AK 99801  
 Trucano, Alma, P.O. Box 020870, Juneau, AK 99802  
 Tysver, Carmel, 2030 Patriot Circle, Anchorage, AK 99515  
 Weed, Loraine, 4428 Taku Blvd., Juneau, AK 99801  
 Weinberg, Sheryl, 4920 Hummingbird Lane, Juneau, AK 99801  
 Weiss, Dixie, 3220 Foster, Juneau, AK 99801  
 White, Elana S., P.O. Box 476, Kodiak, AK 99615-0476  
 Willis, Reuben, 2912 Jackson Rd, Juneau, AK 99801  
 Wilson, Patricia C., 9621 Kelley Ct., Juneau, AK 99801  
 Young, Sherry, 2389 Ka See An Dr, Juneau, AK 99801

#### CALIFORNIA

Adams, Wanda, 919 Palm Ave., South Pasadena, CA 91030-3028  
 Amerinova Properties, 32149 Aqueduct Rd, Bonsall, CA 92003  
 Bailey, Larry, 1168 Silver Lake Dr., Sacramento, CA 95831-1734  
 Chaney, Arnold & Barbara, 30544 Terrace View Lane, Valley Center, CA 92082  
 Kawaguchi, Jon, 3524 Bowman Ct, Alameda, CA 94502  
 Konigsberg, Jr., Charles W., 6001 Bruns Court Oakland, CA 94611-3211  
 Ladendorf, Sandra, 74 Paseo Hermoso, Salinas, CA 93908-9167  
 Leathers, Wendy, 1248 Melrose Way, Vista, CA 92081  
 Pierce, Rosemary, P.O. Box 789, Hayfork, CA 96041  
 Rozman, H. E., 55 E Old Fort Rd, San Pedro, CA 90731-7212  
 San Francisco Bot Garden Society, Helen Crocker Russell Lib, 9th Ave. at Lincoln Way, San Francisco, CA 94122  
 Serials Records Section - University Library, University of



California, 100 NW Quad, Davis, CA 95616-5292  
 Sykora, Sylvia L., 6250 Melville Drive, Oakland, CA 94611  
 White, Robin, 306 Waller St, San Francisco, CA 94117

## COLORADO

Betty Ford Alpine Gardens, Nicola Ripley, 183 Gore Creek Drive, Vail, CO 81631  
 Helen Fowler Library, Denver Botanic Gardens, 909 York St. Denver, CO 80206-3799

## CONNECTICUT

Barlow, Marilyn, 180 Stickney Hill Rd., Union, CT 06076  
 Bauer, Marguerite Campbell-, 1000 Ridge Rd, Wethersfield, CT 06109  
 Bennerup, Pierre, P.O. Box 483, Kensington, CT 06037  
 Fox, Melanie M., 14 Westbrook Place, Fairfield, CT 06432  
 Held, Paul, 195 North Ave., Westport, CT 06880  
 Irwin, Mary, 6 Spruce Mountain Ter., Danbury, CT 06810  
 Kilpatrick, Marcia, 139 Kenyon Rd., Hampton, CT 06247  
 Mead, Valerie, 294 Erskine Road, Stamford, CT 06903  
 Vukich, Anton M., 444 Round Hill Rd., Greenwich, CT 06831-2639  
 Westerhoff, Dorothy L., 31 Hickory Ln, Roxbury, CT 06783-1914

## DELAWARE

Lake, Robert W., 24 Argyle Rd., Newark, DE 19713-4049  
 Schlieder Jr., Quentin C., 36 S Main St, Smyrna, DE 19977-1431

## DISTRICT OF COLUMBIA

Greider, Linda F., 5931 Utah Ave. NW, Washington, DC 20015-1616  
 Library of Congress, Register of Copyrights, Washington, DC 20559

## FLORIDA

Ellis, Milly, 11203 Oakmont Court, Fort Myers, FL 33908  
 Mast, Austin, 2534 Noble Drive, Tallahassee, FL 32308

## IDAHO

Lloyd, Jacquelyn, 18222 Daffodil Lane, Lewiston, ID 83501

## ILLINOIS

Bisso, Richard, 2503 Curtis Road, Champaign, IL 61822-9630  
 Cooper, Frank E., 604 E. Florida Ave., Urbana, IL 61801-5949  
 Fassl, Frank R., 28 W 166 Lakeview Dr., Naperville, IL 60564  
 Kruk, Raymond J., 5446 West 63rd Place, Chicago, IL 60638-5613  
 Wetzell, Barbara, 20 Braeburn Lane, Barrington Hills, IL 60010  
 Whitaker, Nancy, 819 Cedar Terrace, Deerfield, IL 60015

## INDIANA

Benedict, Mr. Keith J., 845 Keck Ave., Evansville, IN 47711  
 Bush, Gene E., 323 Woodside Dr. NW, Depauw, IN 47115-9039  
 Snyderman, Joy M., 7134 Canalers Ct., Fort Wayne, IN 46804-4783

## KENTUCKY

Thompson, Daniel, 473 Oslo Hollow, South Shore, KY 41175

## MAINE

Anthony, Janice, 291 Hatch Rd., Jackson, ME 04921  
 Blake, Bruce, 1134 Bremen Road, Waldoboro, ME 04572-6150  
 Bryan, Dr. John H. D., P.O. Box 317, Lincolnville, ME 04849-0317  
 Jorgensen, Neil, 290 Haley Rd, Kittery, ME 03904-5406  
 May, Richard, 84 Beechwood, Old Town, ME 04468-9749  
 Mitchell, Betsy, 365 Mayall Rd, Gray, ME 04039  
 O'Connor, Eileen, Islandscape, The Greenhouse, 4 South Shore Rd North Haven, ME 04853  
 Stich, Alda, 369 North Ridge Montville, Freedom, ME 04941  
 Watson, Margaret P., P.O. Box 6, Lincolnville, ME 04849  
 Weinz, Barbara D., 660 Berry's Mill Rd., West Bath, ME 04530

## MARYLAND

Ray, John F., 4971 Cliff City Rd, Chestertown, MD 21620  
 Vanden Heuvel, Richard, 123 Spruce Lane, Annapolis, MD 21403

## MASSACHUSETTS

Aylward, Stephanie, P.O. Box 72, Woodville, MA 01787  
 Barker, Rodney M., 49 Woodcliff Rd., Newton Highlands, MA 02461  
 Bigelow, Karla, P. O. Box 629, Rutland, MA 01545  
 Croyle, James L., P. O. Box 706, Harvard, MA 01451  
 Dyen, Mark R., 132 Church St., Newton, MA 02158  
 EP Ipswich, Editorial Dept, 10 Estes St, Ipswich, MA 01938-2106  
 Heath, Marianna, 52 Hunting Ln, Sherborn, MA 01770  
 Hehn, Mrs. Constance B., 25 Ash St., Hopkinton, MA 01748  
 Jones, Barbara B., 46 Bartlett St., Chelmsford, MA 01824-3902  
 Lopez, Vernon & Mary, 108 Meeting House Rd., Mashpee, MA 02649-2614  
 Maki, Phyllis, 102 Minott Rd, Westminster, MA 01473  
 Mattus, Matt, 26 Spofford Rd, Worcester, MA 01607  
 McDonough-Ward, Tess, Sequencia Gardens, 16 Alma Road Millis, MA 02054  
 Olmsted, Amy, P.O. Box 561, 91 Mt. Washington Rd, S. Egremont, MA 01258  
 Philip, Joseph, 26 Spofford Rd, Worcester, MA 01607  
 Schafer, Martin C. & Janet L. Sacks, Joe Pye Weed's Garden, 337 Acton St., Carlisle, MA 01741  
 Wheeler, Deborah, 90 Call Rd, Colrain, MA 01340  
 Wilson, Cheryl B., 136 Pomeroy Ln, Amherst, MA 01002-2906

## MICHIGAN

Benedict, Dr. Ralph H., 1319 N Lake Pleasant Rd, Hillsdale, MI 49242  
 Bienlien, Lois A., 1440 N Huron Rd, Tawas City, MI 48763  
 Bloemers, Margaret P., 1940 Argentina Dr, S.E., Grand Rapids, MI 49506  
 Dee, James E., 441 N. Evangeline, Dearborn Heights, MI 48127  
 Hendrickson, Daniel, 1087 Sylvan Dr, Benton Harbor, MI 49022  
 Kordes, Richard & Mary, 2138 N. Farmers Block Rd, Allouez, MI 49805-6942  
 Matthews, Rowena & Larry, 1609 S. University St., Ann Arbor, MI 48104-2620  
 Nelson, Mr. Marilyn, 7449 S. Linden Rd., Swartz Creek, MI 48473  
 Pederson, Diana, 3809 Calvin Dr, Lansing, MI 48911  
 Rizzo, Victor, 30101 - 30th St, Paw Paw, MI 49079  
 Wickstrom, George M., 2293 Harding Ave., Muskegon, MI 49441-1321  
 Wilkins, Jr., Dr. James W., 7469 Hunters Ridge, Jackson, MI 49201-8562

## MINNESOTA

Andersen Horticultural Library, University of Minnesota, 1984 Buford Ave., St. Paul, MN 55108  
 Crist, Cyndy, 835 Linwood Ave, St. Paul, MN 55105  
 Erickson, Nancy, 1678 Glenview Ct., St. Paul, MN 55112-2807  
 Haldorson, Wanda, 23 - 4th Ave, Glenwood, MN 56334  
 Larson, Deanna, 8605 - 360th St., North Branch, MN 55056  
 Mierow, Brian, 12387 - 150th St. N., Stillwater, MN 55082-9423  
 Mugaas, Robert, 4900 Winterset Dr, Minnetonka, MN 55343  
 Oslund, Clayton R, 3020 London Rd, Duluth, MN 55804  
 Schellinger, Karen, 31335 Kalla Lake Rd, Avon, MN 56310  
 Stanley, Mary R., 9 Fenlea Circle, Dellwood, MN 55110

## NEW HAMPSHIRE

Chalmers, Eunice, High Mowing School, Box 850, Wilton, NH 03086  
 Fenderson, G. K., Grout Hill, P. O. Box 188, Acworth, NH 03601-0188  
 Lord, Ann W., 220 Sand Hill Rd., Peterborough, NH 03458  
 Milde, Leslie, P. O. Box 14, Fremont, NH 03044  
 Petuck, Kathryn, 25 Perley Ave., Lebanon, NH 03766  
 Schnare, Susan E., 373 Elbow Pond Rd, Andover, NH 03216

## NEW JERSEY

Byk, John, 136 Robertville Rd., Freehold, NJ 07728-7700  
 Frawley, Patricia, 522 Elm St, Westfield, NJ 07090  
 Knapp, Evelyn B., 30 Harbor Dr., Lake Hopatcong, NJ 07849  
 Moran, Dennis, P.O. Box 2, McAfee, NJ 07428-0002  
 Stafford, William, 226 Washington Ave, Milltown, NJ 08850  
 Vietze, Edna, 39 E Springtown Rd, Long Valley, NJ 07853-3368  
 Wright, Dorothy, 12 Briar Circle, Green Brook, NJ 08812

## NEW YORK

Balfour, Diane, 90 Riverside Drive, #14E, New York City, NY 10024  
 Bierhoff, Ruth, 31 Bacon Hill Rd., Pleasantville, NY 10570  
 Brown, Bill, 16 Little Creek Path, Patchogue, NY 11772  
 Burgess, Caroline, Stonecrop Gardens, Inc., 81 Stonecrop Lane, Cold Spring, NY 10516  
 Cabot, Francis H., P.O. Box 222, 81 Stonecrop Lane, Cold Spring, NY 10516  
 Clements, Richard L., 6589 River Road, Jordan, NY 13080  
 Cornell University, Albert R. Mann Library, Serials Unit/ Acquisition Division, Ithaca, NY 14853-4301  
 Dalton, Meg & Jim, 284 Middle Grove Rd, Middle Grove, NY 12850  
 Fenton, Anastasia, 2071 Cook Rd., Charlton, NY 12019  
 Gold, Sharon, 10 Leonard St., #65, New York, NY 10013-2962  
 Grace, Dorothy, P. O. Box 882, Tully, NY 13159  
 Greene, Gregory, 13 Northup Dr, Queensbury, NY 12804-2115  
 Guest, Kathleen, 494 North St., East Aurora, NY 14052-1446  
 Hoeffel, Joan Z., Hunts Hollow Perennial Gardens, 7532 County Rd. 36, Naples, NY 14512-9240  
 Jelisavcic, Joseph, 2 Allapartus Cir., Ossining, NY 10562  
 Keiser, Dana L., 3801 Brady Hill Rd, Binghamton, NY 13903  
 MacLeod, Camilla, 1163 Chenango St, Binghamton, NY 13901  
 Malloy, Elaine & Alex, P.O. Box 38, South Salem, NY 10590-0038  
 Markert, Irma & Norbert, 102 Proctor Ave., Ogdensburg, NY 13669  
 Marshall, Kathleen, 323 Broadway, Saranac Lake, NY 12983  
 Mommens, Jacques, P.O. Box 67, Millwood, NY 10546-0067  
 Myers, J. 39 Richards Dr, Sag Harbor, NY 11963  
 Nelson, Mrs. Lee, 8 Peer St, Binghamton, NY 13901  
 New York Botanical Garden, L. T. Mertz Library, Serials

Exchange, 2900 Southern Blvd., Bronx, NY 10458  
 Peters, Wilhelmina, 54 Eastwoods Rd, Pound Ridge, NY 10576-1827  
 Robinson, Mary M., 3253 W Walworth Rd, Macedon, NY 14502-9402  
 Schrack, Ralph, 211 Washburn Drive, East Syracuse, NY 13057-1633  
 Sellers, Judith C., 300 Frank Youngs Rd., Unadilla, NY 13849  
 Sette, Vincentine, 819 Grand By Rd., Millbrook, NY 12545  
 Ujueta, Albert, P.O. Box 127, Armonk, NY 10504  
 Webster, Virginia, 692 Washington Ave, Brooklyn, NY 11238  
 Webster, Julia Chrystie, 62 Burdick Hill Rd, Ithaca, NY 14850

## NORTH CAROLINA

Goodwin, Mrs. Nancy V., P.O. Box 957, Hillsborough, NC 27278-0957  
 Gray, Mary, 3210 Debbie Dr., Hendersonville, NC 28791-1036  
 Sims, William R. & Doris B., 70 Fuchsia Dr, Hendersonville, NC 28792-7208  
 Wright, Janice, P.O. Box 1203, Cullowhee, NC 28723

## NORTH DAKOTA

Kuma, Marcia, 605 - 6th Ave SW, Dickinson, ND 58601  
 Ness, Tim & Kathy, 906 Belmont Rd., Grand Forks, ND 58201

## OHIO

Cleveland Botanical Gardens, Jan Curry Library, 11030 East Blvd, Cleveland, OH 44106-1706  
 Davis, Mr. Edward J., 226 S. High St., Hillsboro, OH 45133-1445  
 Emig, Ms. Lura, 1878 Demorest Rd., Columbus, OH 43228-3426  
 Malone, Mrs. Therese C., 6009 Westbrook Dr, Brook Park, OH 44142-3076  
 Paquelet, M.D., Charles J., 11849 Northcrest NW, Massillon, OH 44647  
 Sigmund, Sandie, 13138 Pond Rd., Burton, OH 44021  
 Smith, Carole P., 1842 Hines Hill Rd., Hudson, OH 44236  
 Tuttle, Charles E., 5151 Reed Rd, B-221, Columbus, OH 43220  
 Ward, William G., 16495 Old State Rd., Middlefield, OH 44062-9118  
 Weller, Judith L., 11148 Dayton Farmersville Rd, Farmersville, OH 45325-8247  
 Yates, Thomas A., 9449 Colony Ct, Mentor, OH 44060-7131

## OREGON

Alexander, Anita, 35180 S.E. Highway 211, Boring, OR 97009  
 Baker, Patsy, 88615 Ermi Bee Rd, Springfield, OR 97478  
 Berry Botanic Garden, 11505 S.W. Summerville Ave., Portland, OR 97219-8309  
 Bridges, Angela, Parkdale Gardens, 5056 Woodworth Dr., Parkdale, OR 97041  
 Cheistad, Vivian, 192 - 21st Ave., Sweet Home, OR 97386-2701  
 Doyle, Alice, Log House Plants, 78185 Rat Creek Road, Cottage Grove, OR 97424  
 Dunn, Patricia, 22855 SW Eno Place, Tualatin, OR 97062  
 Dunstan, Dot, 5105 N.W. 137th, Portland, OR 97229  
 Feldman, Merle Dean, 21043 Highway 47, Yamhill, OR 97148  
 Fender, Dorothy, 835 Ashwood Ave, McMinnville, OR 97128  
 Fluck, Cheryl, 22765 SW Eno Pl, Tualatin, OR 97062-7359  
 Gardner, Paula K., 1490 Grand Ridge Drive NW, Albany, OR 97321  
 Gold, Phil, P.O. Box 981, Scappoose, OR 97056  
 Graham, Russell, 4030 Eagle Crest Rd, NW, Salem, OR 97304  
 Hogue & Family, Anne E., P.O. Box 1552, Sandy, OR 97055-1552  
 Hutchings, M.D., Roger H., 201 Mariposa Terrace, Medford, OR 97504  
 Iler, Kathy, 95131 Mattson Lane, Coos Bay, OR 97420  
 Liston, Sara & Aaron, 615 NW Witham Dr., Corvallis, OR 97330  
 Lunn, Ann, 6620 N.W. 271st Ave., Hillsboro, OR 97124  
 Lunn, Jay G., 6620 N.W. 271st Ave., Hillsboro, OR 97124



North American Rock Garden Society, Jane McGary, Editor, 33993 SE Doyle Rd, Estacada, OR 97023  
 Oppen, Mrs. Arthur, 604 Clarmar Drive N.E., Salem, OR 97301  
 Potter, Jane Elizabeth, 59397 McLaughlin Lane, St. Helens, OR 97051  
 Robinson, Addaline W., 41809 S.W. Burgarsky Rd., Gaston, OR 97119-9047  
 Siskiyou Rare Plant Nursery, 2825 Cummings Rd., Medford, OR 97501  
 Sullivan, Dale, Siskiyou Rare Plant Nursery, 2115 Talent Ave, Talent, OR 97540  
 Whitman, Robert & P. Penryman, 3025 Neslo Lane, Eugene, OR 97405-1932

## PENNSYLVANIA

Bartlett, John, 381 Long Rd., Gettysburg, PA 17325-8608  
 Chance, Lillian, 730 Monument Road, Malvern, PA 19355  
 Cormack, Diana, 424 Bulltown Rd, Elverson, PA 19520  
 Dribin, Beth, 226 Indian Creek Rd, Wynnewood, PA 19096  
 Eichelberger, Nancy L., 84 Eichelberger Rd, Airville, PA 17302-9212  
 Guthrie, M.D., W. James, 283 Blacksmith Rd., Douglassville, PA 19518  
 Hudnall, Ann, 325 W Ashbridge St, West Chester, PA 19380  
 Katz, M.D., Richard G., 1173 Beechwood Blvd, Pittsburgh, PA 15206  
 Longwood Gardens Library, P.O. Box 501, Kennett Square, PA 19348-0501  
 Mirick, Sally, Box 145, Ottsville, PA 18942  
 Oleri, Mary E., 231 Fairville Rd., Chadds Ford, PA 19317  
 Oliver, Charles G., The Primrose Path, 921 Scottsdale-Dawson Rd, Scottsdale, PA 15683  
 Perkins, Jeff, 341 W Mt Airy Ave, Philadelphia, PA 19119  
 Plyler, Dot, 418 Crosslands Dr, Kennett Square, PA 19348-2050  
 Punnett, Hope, 6635 Wissahickon Ave, Philadelphia, PA 19119-3725  
 Rettger, Timothy, 426 Shenley Drive, Erie, PA 16505-2232  
 Rice, Graham, 211 Log Tavern Drive, Milford, PA 18337  
 Rosenberg, Ann, 5 Westview Rd, Bryn Mawr, PA 19010-3716  
 Zell, Tatiana E. & Howard, 504 Montgomery Rd., Ambler, PA 19002

## RHODE ISLAND

Swift, Dorothy G., 48 Lands End Dr., Wickford, RI 02852

## SOUTH CAROLINA

Wuosmaa, David, 115 Lenwood Dr., Summerville, SC 29485

## TENNESSEE

Fjelstad, Jo, P.O. Box 213, Morristown, TN 37815  
 Henson, Janet E., 3734 Pollard Cemetery Rd., Kodak, TN 37764

## UTAH

Hayes, Collett, 1895 Delann Ln, Salt Lake City, UT 84121-1319

## VERMONT

Avery, Don & Lela, 637 Duhamel Rd, Morrisville, VT 05661  
 Cook, Dr. Philip W., Poker Hill Gardens, P.O. Box 338, Underhill, VT 05489  
 Cunningham, David F., 237 Old Stage Road, Orwell, VT 05760  
 Kuchel, Marianne I., 1815 Blood Brook Rd., Fairlee, VT 05045  
 Perkins, Arlene, 580 Perkins Rd., Montpelier, VT 05602

## VIRGINIA

Addamiano, Betty, 4222 Robertson Blvd., Alexandria, VA 22309

Henderson, Dale, 1116 Bruton Lane, Virginia Beach, VA 23451  
 Rexrode, Karen Ann, Botanical Photo Stock, 40497 John Mosby Hwy., Aldie, VA 20105  
 Rowand, Sylvie I., P.O. Box 395, Washington, VA 22747

## WASHINGTON

Bailey, Linda, 1720 Highway 20 East, Colville, WA 99114-9006  
 Baxter, Mary, c/o Shirley Gardner, 13626 NE 102nd St., Kirkland, WA 98033  
 Beaudoin-Hall, Correne, 8117 - 76th Ave Ct NW, Gig Harbor, WA 98322  
 Becker, Gregory E., P.O. Box 422, Entiat, WA 98822-0422  
 Benjamin, Theresa, 6232 E. Lux Sit Lane, Guemes Island, WA 98221-8928  
 Brock, Rosemary L., P. O. Box 788, Duvall, WA 98019-0788  
 Bucher, Ann, 815 - 38th Ave, Seattle, WA 98122  
 Cadranel, Sally B., 13226 NE 40th, Bellevue, WA 98005-1423  
 Cockcroft, Claire, 1403 - 143rd Ave. NE, Bellevue, WA 98007-3914  
 Coleman, Jeffri, 2274 Orcas Road, Eastsound, WA 98245  
 Doering, Jewel W., 9808 Crescent Valley Dr NW, Gig Harbor, WA 98322-9537  
 Dupey, Jeannette, 1608 Samish Way, Bellingham, WA 98226  
 Dwyer, Dorothy, 5322 NW 280th St, Ridgefield, WA 98642  
 Eastside Primula Society, c/o Thea Oakley, 3304 - 288th Ave. N.E., Redmond, WA 98053-3111

Elisabeth C. Miller Library, Box 354115, Seattle, WA 98195-4115  
 Flynn, Barbara, 1332 - 232nd Pl NE, Sammamish, WA 98076  
 Frey, Mary L., 23329 - 172nd Ave SE, Kent, WA 98042  
 Garton, Linda, 10540 Ashworth Ave. N., Seattle, WA 98133  
 Happy III, Cyrus, 11617 Gravelly Lake Dr. S.W., Tacoma, WA 98499  
 Hoghaug, Georgia, 9821 Peacock Hill Ave, Gig Harbor, WA 98332  
 Jones, Rosetta, 170 East Dunoon Place, Shelton, WA 98584  
 Kelley, Patricia, 20324 S. Danvers Rd, Lynnwood, WA 98036  
 Koken, Mrs. Virginia M., 477 Sandy Bend Rd., Castle Rock, WA 98611  
 Laskiewicz, Theresa, 195 Cameron Creek Rd., Longview, WA 98632  
 Lundquist, Margaret, 2011 Castle Dr., Bothell, WA 98021-9259  
 Lupp, Richard C., 28111 - 112th Ave. E., Graham, WA 98338  
 Lynd, Carole, 27810 - 168th Ave. Ct. E., Orting, WA 98360  
 MacGowan, Ian, 4712 Smugglers Cove Rd., Freeland, WA 98249  
 Madison, Sandi, 5620 Williams Lake Rd, Deming, WA 98244  
 McCleery, Verna, 4038 East G Street, Tacoma, WA 98404-1462  
 McDonald, Donald B., 1213 S.E. Lider Rd., Port Orchard, WA 98367  
 McKee-Donahe, Heather, 732 S. Tyler, Tacoma, WA 98405  
 Meredith, Sharon, 1021 - 4th Parallel Road, Ellensburg, WA 98926  
 Meyers, Vivian M., 3507 Sundance Lane, Camano Island, WA 98282  
 Niemann, Joyce, 158200 Olson Rd, KPN, Lakebay, WA 98349  
 Oakley, Harold & Thea, 3304 - 288th Ave. N.E., Redmond, WA 98053-3111  
 Ougland, Myra, Brian Creamer, 21367 Miller Bay Rd NE, Poulsbo, WA 98370  
 Parks, Joen W., 48521 - 282nd Ave SE, Enumclaw, WA 98022  
 Peterson, Lady Jo, 3216 - 163rd St. E., Tacoma, WA 98446-1435  
 Petrovich, Phyllis, Box 424, Forks, WA 98331  
 Pickering, Evelyn, 19517 - 86th Ave W, Edmonds, WA 98026  
 Preston, Roy W., 2828 - 27th Ave. West, Seattle, WA 98199  
 Rayner, Gizelle C., 227 Satsop Ave., Shelton, WA 98584  
 Reed, Jill, 3444 Hunts Point Rd., Bellevue, WA 98004-1116  
 Reek, Alice O., 809 - 6th St., Kirkland, WA 98033  
 Rhododendron Species Foundation & Botanical Garden, P.O. Box 3798, Federal Way, WA 98063-3798  
 Santibanez, Helen M., 2615 NE 70th St, Seattle, WA 98115-5829  
 Sexton, Viola L., 10904 Peter Anderson Rd., Burlington, WA 98233  
 Sinnott, Nina, 15320 Mill Creek Blvd #V103, Mill Creek, WA 98012-1543  
 Skidmore, June, 2327 N 64th, Seattle, WA 98103  
 Springer, Mrs. Frank L., 7213 South 15th, Tacoma, WA 98465  
 Strickland, Candy, 6911 - 104th St. E., Puyallup, WA 98373  
 Stuart, Elizabeth Ann, P.O. Box 638, Fall City, WA 98024

Tacoma Primrose Society, c/o Candy Strickland, 6911 - 104th St. E., Puyallup, WA 98373  
 Tait, Mrs. L. G., 9617 - 212th St. SE, Snohomish, WA 98296  
 Terry, Lois E., 802 N. 40th Ave., #30, Yakima, WA 98908  
 Weeks, Elmo L., 386 Grosscup, West Richland, WA 99353-9776  
 Wyatt, Norman, 35507 S. Oak St., Kennewick, WA 99337-6410  
 Zeigler, Jack, 2719 N.E. 92nd, Seattle, WA 98115

## WISCONSIN

Allen, Kathryn, 1223 Wellesley Rd, Madison, WI 53705  
 Cadoret, Ruth, 4308 Hillcrest Circle, Madison, WI 53705-5017  
 Dodd, Richard A., 719 Dearholt Rd., Madison, WI 53711-1146  
 Glover, Edward, 503 Johns St., Mount Horeb, WI 53572-1827  
 Graewin, Joyce, 211 W. Center St., Norwalk, WI 54648-9601  
 Lawrence, Alan J., P.O. Box 37, Lake Delton, WI 53940  
 Rodini, Eleanor M., 1632 Adams St., Madison, WI 53711-2140  
 Thomson, Olive S., 9349 Malone Rd., Mt. Horeb, WI 53572-2726

## CANADA

### ALBERTA

Brown, Margaret, 28 Varcourt Pl. NW, Calgary, Alberta T3A 0G8  
 Calgary Rock & Alpine Garden Society, E. Keddie, 1519  
 Cavanaugh Pl NW, Calgary, Alberta T2L 0M8  
 Eveleigh, Pam, 6520 Law Dr SW, Calgary, Alberta T3E 6A1  
 Stadnyk, Bob, c/o Holes Greenhouses & Gardens Ltd., 101  
 Bellerose Dr., St. Albert, Alberta T8N 8N8

### BRITISH COLUMBIA

Alpine Garden Club of B.C., c/o Graeme Bain, Librarian, 1009  
 Nanaimo St., New Westminster, BC V3M 2E7  
 B. C. Primula Group, c/o #70-4900 Cartier St, Vancouver, BC V6M 4H2  
 Chong, Mrs. Ruby, 6870 Union St., Burnaby, BC V5B 1X5  
 Crossman, Jo-Ann, R.R. 4, S1 C-C1 Matson Rd., Terrace, BC V8G 4V2  
 Davies, Bryan, 1359 Vista Heights, Victoria, BC V8T 2J2  
 Gordon, Robert B., 3896 W. King Edward Ave., Vancouver, BC V6S 1N1  
 Hogarth, Mrs. Hanna, Site 7 Comp. 77, 4311 Kailum Lake Rd. RR#3, Terrace, BC V8G 4P6  
 Martin, Mrs. M. J., 951 Joan Crescent, Victoria, BC V8S 3L3  
 Moore, Tom, 2736 Bridges Rd, Courtenay, BC V9J 1M3  
 Plenderleith, Phyllis & Ian, 2237 McBain Ave, Vancouver, BC V6L 3B2  
 Plumb, Michael & Rhonda, 9341 Kingsley Crescent, Richmond, BC V7A 4V6  
 Ulstein-Bruaset, Inger, P.O. Box 225, Nelson, BC V1L 5P9

### MANITOBA

Healey, F. Patrick, Box 6, Belmont, Manitoba R0K 0C0

### NEW BRUNSWICK

Parker, Brian, 27 Marshall St., Fredericton, NB E3A 4J8

### NEWFOUNDLAND

Atkins, Stanley, 89 Whiteway St., St. John's, NL A1B 1K5  
 Goodyear, Dan, #20 Barnes Road, St. John's, NL A1C 3X7  
 Scott, Peter J., 13 Cherokee Drive, St. John's, NL A1A 5Z8

## NOVA SCOTIA

Driskill, Ronald, P. O. Box 280, Hubbards, NS B0J 1T0  
 Gray, Susan E., RR #2, South Ohio, NS B0W 3E0  
 Levy, Sterling, 118 Concord Ave, Fall River, NS B2T 1E7

## ONTARIO

Barker, Tim, 132 W 23rd St, Hamilton, ON L9C 4V7  
 Bradley, Lester, 7420 Mitch Owens Road, Greely, ON K4P 1K9  
 Cave, Nik, 3230 Uplands Dr., Apt 22, Ottawa, ON K1V 0C6  
 Cole, Trevor, 2863 John Shaw Rd, R.R. 2, Kinburn, ON K0A 2H0  
 Combella, Mark, 2594 Upper Dwyer Hill Rd, Carp, ON K0A 1L0  
 Delafield, Susan, 87 Koch Dr, Guelph, ON N1G 4H5  
 Gerow, Ronalee R., 587 Mallory Beach Rd, R.R. #5, Warton, ON N0H 2T0  
 Library/Bibliotheque, Agriculture & AgriFood, Edifice Sir John  
 Carling Bldg, Ottawa, ON K1A 0C5  
 Porteous, Barrie, 3 Breda Court, Richmond Hill, ON L4C 6E1  
 Walek, Kristl, Gardens North, 5884 Third Line Rd North, N Gower, ON K0A 2T0  
 Wilkins, Barbara Ann, 213 Rosedale Heights Dr., Toronto, ON M4T 1C7

## QUEBEC

Aubert, Jean Marc, c/o Pneus Dominic, Inc., 26 Rue de l'Artisan,  
 Victoriaville, Quebec G6P 7E4  
 Galletti, Maria, Alpines Mont Echo, 1182 Parmenter Rd, Sutton, Quebec J0E 2K0  
 Jardin Botanique de Montreal, Bibliotheque, 4101 Sherbrooke  
 Est, Montreal, Quebec H1X 2B2

## AUSTRALIA

Brown, Mark, 19 Hill St., Crafrs SA 5152 Australia  
 Klok, Gabriel, 2 Red Chapel Ave., Sandy Bay Tasmania 7005 Australia  
 Royal Botanic Gardens, Librarian, Birdwood Ave., South Yarra  
 Victoria 3141 Australia

## AUSTRIA

Hinterwirth, Hubert, Hausmanning 140, A 4560 Kirchdorf/Krems Austria

## BELGIUM

Lemmens, Jozef, Van der Nootstraat 21, Wilsela B-3012 Belgium  
 Thiers, Geert, Bloemenlei 10, B 2930 Brasschaat Belgium

## DENMARK

Johansen, Herlof, Ostervaenget 12, Haldbjerg 9900  
 Frederikshavn Denmark  
 Mikkelsen, Erik L., Nyvangsvej 113, Randers 8900 Denmark

## ESTONIA

Teras, Riho, Vahi Kula 10-1, Tartuvald, Tartu MK 60511 Estonia



**FRANCE**

Conservatoire et Jardins Botaniques de Nancy,  
100 Rue du Jardin Botanique, F 54600 Villers-les-Nancy France  
Lawson, Mrs. Lynne, Barnhaven Primroses, 11 Rue du Pont Blanc  
22310 Plestin Les Graves France

**GERMANY**

Botanischer Garten und Botanisches Museum Berlin-Dahlem,  
Bibliothek, D - 14191 Berlin Germany  
Jelitto Staudensamen GMBH, Postfach 1264, Schwarmstedt 29685 Germany  
Kress, Dr. Alarich, Edelweiss - Strasse 9, D - 82194 Grobenzell Germany  
Maerz, Georg, Postfach 150308, D-70076 Stuttgart Germany

**ICELAND**

Skulason, Fridrik, P.O. Box 7180, IS - 127 Reykjavik Iceland

**ITALY**

Ardunino, Paola, Strada Tuscanese, 17, Viterbo 1100 Italy

**JAPAN**

Aoki, Gishu, 17-5 Shibahara -1, Midori-ku Saitama-shi 336-0917 Japan  
Iwasa, Yoshito, Nishihassaku-machi 163, Midori-ku,  
Yokohama-shi Kanagawa-ken 227 Japan  
Maki, Takao, 7-11-6 Kugenuma-Kaigan, Fujisawa-251 Japan  
Matsubayashi, Nagao, 78 Jorogawa Ehima, Atsumi-cho  
Aichi-ken 441-3605 Japan  
Oi, Mr. Hiroto, 11-1890 Kami-Okawamae, Niigata-Shi 951-8068 Japan  
Shirasu, Mrs. Hiroko, 438-176, Johza, Sakura-shi Sakura-shi  
Chiba-ken 285-0854 Japan

**THE NETHERLANDS**

Kloppenbergh, H., Meibergsdijk 1A, Liederholthuis Rallte  
8144RJ Netherlands  
Sahin, K., Loevestein 48, Alphen aan den Rijn 2403 JB Netherlands  
van Saase, J. W. M., IJweg 1063, 2133 MH Hoofddorp Netherlands

**NEW ZEALAND**

Sell, Mrs. Heather, 49 Mill Road Waimate, Sth Canterbury  
New Zealand  
Whimp, Diana A., 47A Whau Valley Rd., Whangarei Northland  
New Zealand

**UNITED KINGDOM****ENGLAND**

Alpine Garden Society, The, A.G.S. Centre, Avon Bank Pershore  
Worcestershire WR10 3JP England  
Davis, Brian, 7 BeechTree Rd, Walsall Wood Walsall  
Staffordshire WS9 9LS England  
Firth, George P, 14 Hollins Close, Sheffield South Yorkshire S65 6G14 England  
Gibson, John N., 'Farinosa', 3A Primrose Lane, Kirkburton

Huddersfield Yorkshire HD8 0QY England  
Giles, Mrs. Jackie, Windy Ridge, Bolton Percy Yorkshire YO5 7BA England  
Hall, Elizabeth, Vicarage House, Kirkby Wharfe Tadcaster North  
Yorkshire LS24 9DE England  
Joiner, Graham, 1, The Park Pale Tutbury Burton-on-Trent DE13 9LB England  
Laskey, Mrs Pat, 15, Martins Road, Exmouth Devon EX8 4LN England  
Lill, H., 17 Newton Ave., Newton Hill Wakefield W71 2PX England  
Lockey, Derek, 312 Hexam Road, Heddon on the Wall  
Northumberland NE15 9QX England  
NA&PS, Midland & West Section, Mr. Brian Coop, Hon. Editor, 5  
Warwick Court Eaton Socon St. Neots, Cambs. PE19 3HH England  
NA&PS, Northern Section, Mr. K. Leeming, 3 Daisybank Drive  
Sandbach Cheshire CW11 4JR England  
NA&PS, Southern Region, Mr. L.E. Wigley, 67 Warnham Court Rd.  
Carshalton Beeches Surrey SM5 3ND England  
Nottingham, Ben & Hazel, 34 Mill Green View, Swarcliffe Leeds  
Yorks LS14 5JT England  
Pugh, Mrs. V. A., Wilkin Post Office, 94 Hedgesford Rd.  
Brownhills West, Walsall West Midlands W58 7LT England  
Royal Horticultural Society, Lindley Library - Helen Ward, 80  
Vincent Square London SW1P 2PE England  
Salt, Derek William, East View, Main Road, Friskney Boston  
PE22 8QU England  
Scott-Rowley, Penelope, 58 Southview Road, East Bierley  
Bradford West Yorkshire BD4 6PJ England  
Standen, Mrs Francine, Daffodil House, 140 Myton Rd Warwick  
Warwickshire CV34 6PR England  
Taylor, R., 27 Temple Rhydding Drive, Baildon Shipley West  
Yorkshire BD17 5PX England  
Town, M. A., 33 New Lane, Skelmanthorpe Nr. Huddersfield W.  
Yorkshire HD8 9EY England

**IRELAND**

National Botanic Gardens, Librarian, Glasnevin Dublin Ireland

**NORTHERN IRELAND**

Tindall, Susan, Timpany Nurseries and Gardens, 77,  
Magheratimpany Road Ballynahinch BT24 8PA Northern Ireland

**SCOTLAND**

Behan, Mrs. W.D., 4 West Mackenzie Park, Draikies Inverness N23ST Scotland  
Jones, Mrs. Jeanie, Kilnpoolees, Kettleholm Lockerbie  
Dumfriesshire DG11 1DD Scotland  
Mackie, Mr. Robert, 12 Stuart St., Portessie Buckie Banffshire  
AB56 1TB Scotland  
Mickleth, Henry S., 1 Dryden Place, Edinburgh EH9 1RP Scotland  
Scott, Dr. Ian, Ryvoan, 6 Hays Road, The Gauldry Fife DD6 8SJ Scotland

**WALES**

Nicoll, Geoff, Rising Sun Cottage, Nolton Haven Haverfordwest  
Pembrokeshire SA62 3NN Wales

**SWEDEN**

Larkang, Lars, Dalahojdsvagen 2, S-443 72 Grabo Sweden

## Mt. Tahoma Nursery

We offer a large selection of  
named cultivars of *Primula*  
*auricula*, *Juliana* hybrids, *P.*  
*allionii*, and *P. allionii* hy-  
brids as well as many *Primu-*  
*la* species, Plus much more.

**RICK LUPP (253)847-9827**

Mail order in USA only.

Open for visitors by appointment only.

Send \$2.00 for Plant List

2811 112th Avenue East

Graham, WA 98338

[www.backyardgardener.com/mttahoma/](http://www.backyardgardener.com/mttahoma/)

## NATIONAL AURICULA AND PRIMULA SOCIETY

NORTHERN SECTION

Please consider joining the National Auricula  
and Primula Society - Northern Section.  
Overseas memberships are some of the best  
ways to learn more about your favorite plants.

Benefits include publications and more.

Write: Mr. K. Leeming, 3 Daisybank Drive,  
Sandbach, Cheshire. CW11 4JR

Overseas memberships £7.00,

Please make checks payable to NAPS.

[www.auriculas.org.uk](http://www.auriculas.org.uk)

## Got Gaps?

Order back issues of the  
Primrose Quarterly while they last

Back issues of the A.P.S. Quarterly  
are available from the

A.P.S. Quarterly Librarian.

Prices depend on the issue date:

1996-2005 \$6.50/ea

1990-1995 \$4.00/ea

1970 -1989 \$2.50/ea

1990 & before \$1.50/ea

For availability of for ordering please contact:

Cheri Fluck

22765 S. W. Eno Place

Tualatin, Oregon 97062

Tel. 503-612-0664

Fax. 503-691-8082

## Join the National Auricula & Primula Society

*Midland & West Section*





Catalogue + Shop  
[www.jelitto.com](http://www.jelitto.com)

# Jelitto

## Perennial Seeds

STAUDENSAMEN · PERENNIAL SEEDS · GRAINES DE PLANTES VIVACES

Production · Breeding · Seed Technology

USA Office: 125 Chenoweth Ln. · Suite 301 · Louisville, KY 40207  
Phone: (502) 895-08 07 · Fax (502) 895-39 34 · <http://www.jelitto.com> · [abush@jelitto.com](mailto:abush@jelitto.com)

German Headquarters: P.O. Box 1264 · D-29685 Schwarmstedt  
Phone: 01149-50 71-98 29-0 · Fax 01149-50 71-98 29-27 · [www.jelitto.com](http://www.jelitto.com) · [info@jelitto.com](mailto:info@jelitto.com)



## Alpines Mont Echo

Alpine specialist offering  
an extensive selection  
of Primula cultivars and species.

### Canada

1182 Parmenter Road · Sutton, QC Canada J0E 2K0

U.S.: P.O. Box 663 · Richford, VT 05476-0663

Tel. (450) 243-5354 · Fax (514) 486-8474

email: [alpinemtecho@endirect.qc.ca](mailto:alpinemtecho@endirect.qc.ca)

Visit our web site at [www.alpinemtecho.com](http://www.alpinemtecho.com)

We ship to Canada and U.S.

## WRIGHTMAN ALPINES NURSERY

### Over 50 different primulas

- \* Alpine Plants
- \* Hypertufa troughs
- \* Tufa rocks

Mail-order catalog: \$2

Visit our secure  
e-commerce web site!

[www.WrightmanAlpines.com](http://www.WrightmanAlpines.com)



*soldanella carpatica*

Phone/Fax: (519) 247-3751

RR#3, Kerwood, ON Canada N0M 2B0

## Evermay Nursery

ALPINE AND PRIMULA  
SPECIES & HYBRIDS

*Grown in the Northeastern U.S.  
We ship mature plants in their pots.*

Visit our Web site at:  
[www.evermaynursery.com](http://www.evermaynursery.com)  
Mailorder catalog available

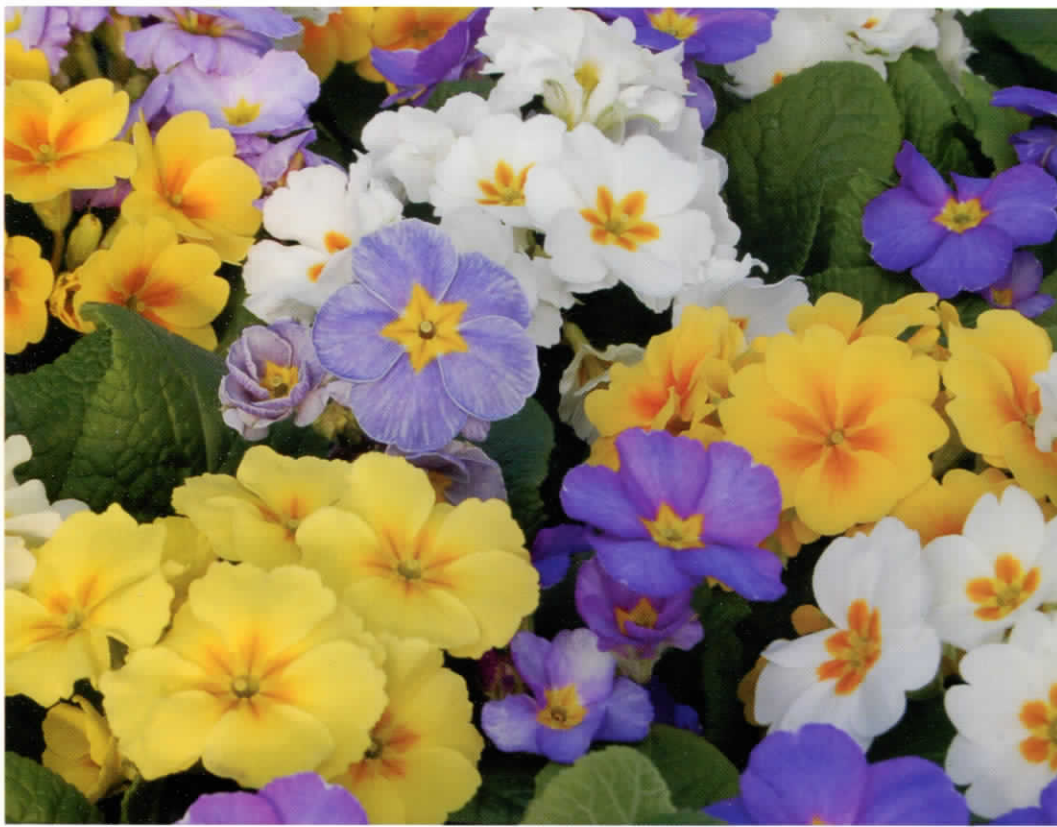
84 Beechwood Ave.  
Old Town, Maine 04468

207.827.0522

RICHARD MAY, PROPRIETOR







## *Introduce a Friend to White Flower Farm*

Do you know a gardener who would enjoy our catalogue? Our three seasonal catalogues and Web site feature hundreds of top-quality plants, glorious photos, and detailed information, plus practical advice for novice and experienced gardeners. Please call us at 1-800-475-0148 or drop us a note with your friend's name and address, and we'll send along a free copy of the catalogue—and deduct \$5 off the first order. To assist us, please mention Source Code 61083.

We'd be delighted to send you a catalogue as well. Our spring 2006 offering includes the new 'You and Me' Series of Hose-in-Hose Primroses (a sampling is shown above), the striking *Primula polyanthus* 'Gold Lace Black', the North Hill Strain of Candelabra Primroses, and a lovely gift plant, *Primula obconica* in a woven Nantucket basket. We look forward to serving you.

Sincerely, Amos Pettingill

## White Flower Farm

PLANTSMEN SINCE 1950

PO BOX 50 LITCHFIELD, CONNECTICUT 06759-0050

[whiteflowerfarm.com](http://whiteflowerfarm.com)