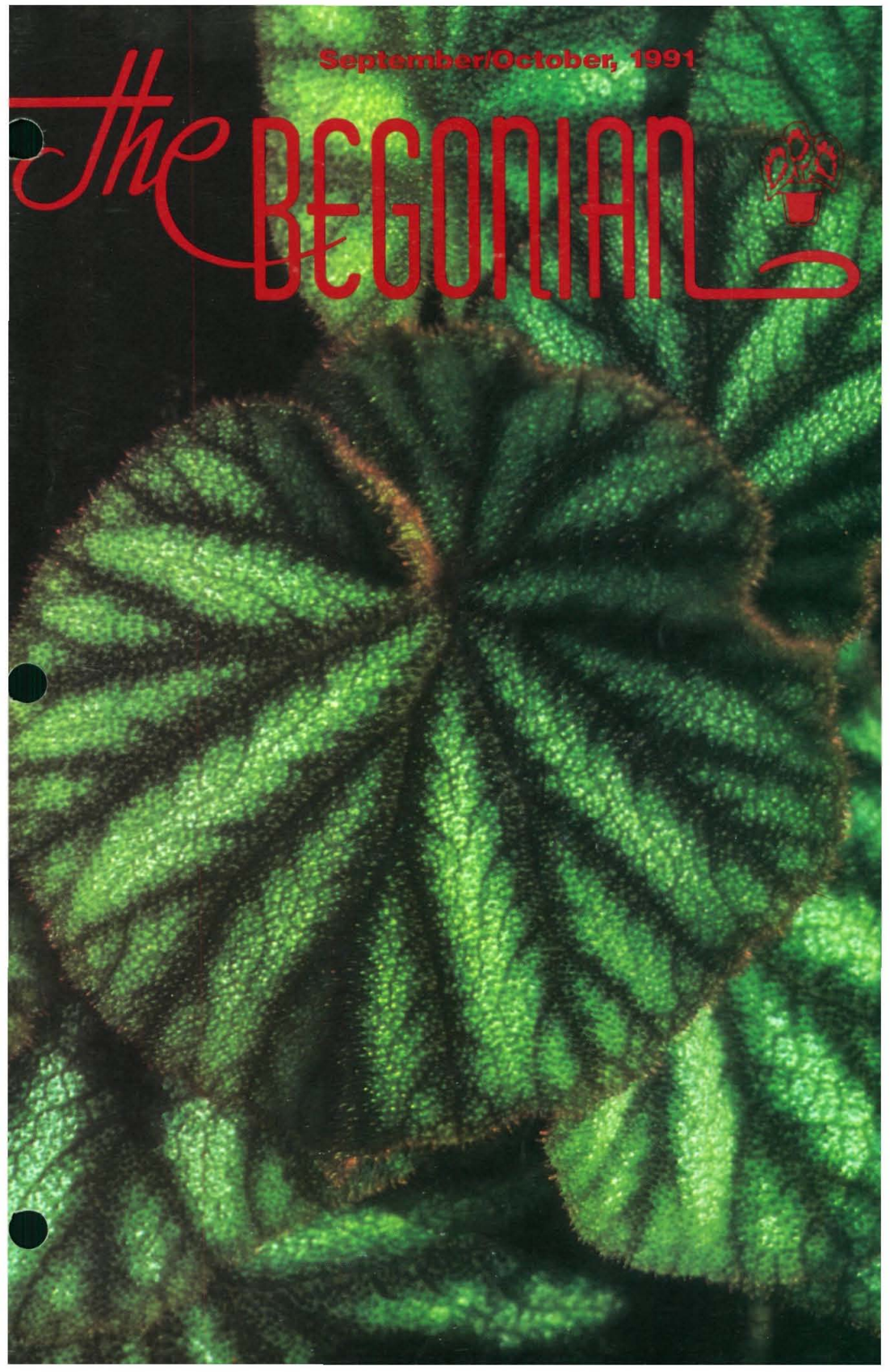


September/October, 1991

The BEGONIAN



The BEGONIAN

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Publication of the American Begonia Society

American Begonia Society

Founded January 1932 by Herbert P. Dyckman

Aims and Purposes

To stimulate and promote interest in begonias and other shade-loving plants.

To encourage the introduction and development of new types of these plants.

To standardize the nomenclature of begonias.

To gather and publish information in regard to kinds, propagation, and culture of begonias and companion plants.

To issue a bulletin which will be mailed to all members of the society.

To bring into friendly contact all who love and grow begonias.

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COVER PHOTOS: Rhizomatous Begonias with Distinctive Foliage, photographed by Gene Daniels

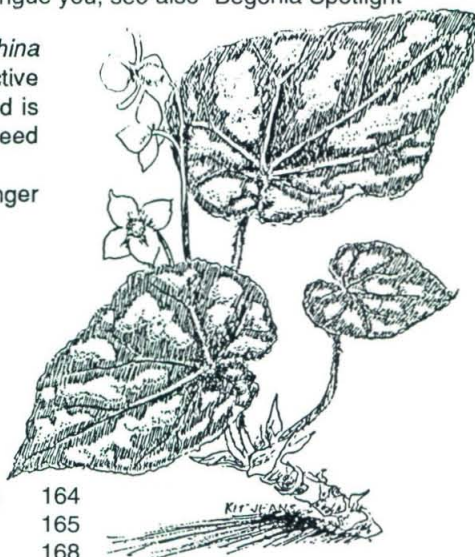
Front - *B. versicolor*, a species discovered by Edgar Irmscher in China in 1939, is hard to grow but rewarding; it requires terrarium care.

Back - *B. 'Su Go-Go'*, a 1971 cross of *B. sudjanae* x *B. goegoensis* by Harold W. Howard, has large leaves and may require terrarium care in drier areas of the country.

If the distinctive foliage begonias intrigue you, see also "Begonia Spotlight"

Extremely rare *B. xanthina* from Himalaya has distinctive foliage, yellow flowers, and is now available from the Seed Fund.

drawing by Kit Jeans Mounger from the
Begonia Book of Days



IN THIS ISSUE

Articles

Convention 1991: Convention Bonus	164
Hugh McLauchlan	165
Clearing Up the Sinus Problem	168
Unidentified Begonia Species List	170
The Pine Cone Begonias	172
Getting Ready for Winter	173
Survival Checklist	173
The Soda Solution	174
Building a Taller Cold Frame	175
Begonia Portrait	176
An Unexpected Delight	178
Begonia Spotlight	180
Scented Begonias	182

Regular Features

Bulletin Board: ABS News	183
Show News Around the Country	184
In the News	184
Judges' Corner	184
Coming Events	185
In Memory	185
Conservation News	186
Seed Fund Notes	188
Seed Fund Listing	191
Around ABS	192
Directory of Begonia Societies	194
ABS Minutes	198

Moving? Don't forget to let the Membership Chair know so you won't miss an issue!

Quick!
Check your mailing label. If it says 9/91 or 10/91, your membership is about to expire. Please renew! We don't want to lose you!

Convention Bonus

by Carrie Karegeannes, Seminars Chair

The 1991 National convention in Alexandria September 12-15 will offer a seminar bonus on the last day. Two speakers will lead us in exploring the world of begonias.



Sunday, Sept. 15

9:30 a.m.

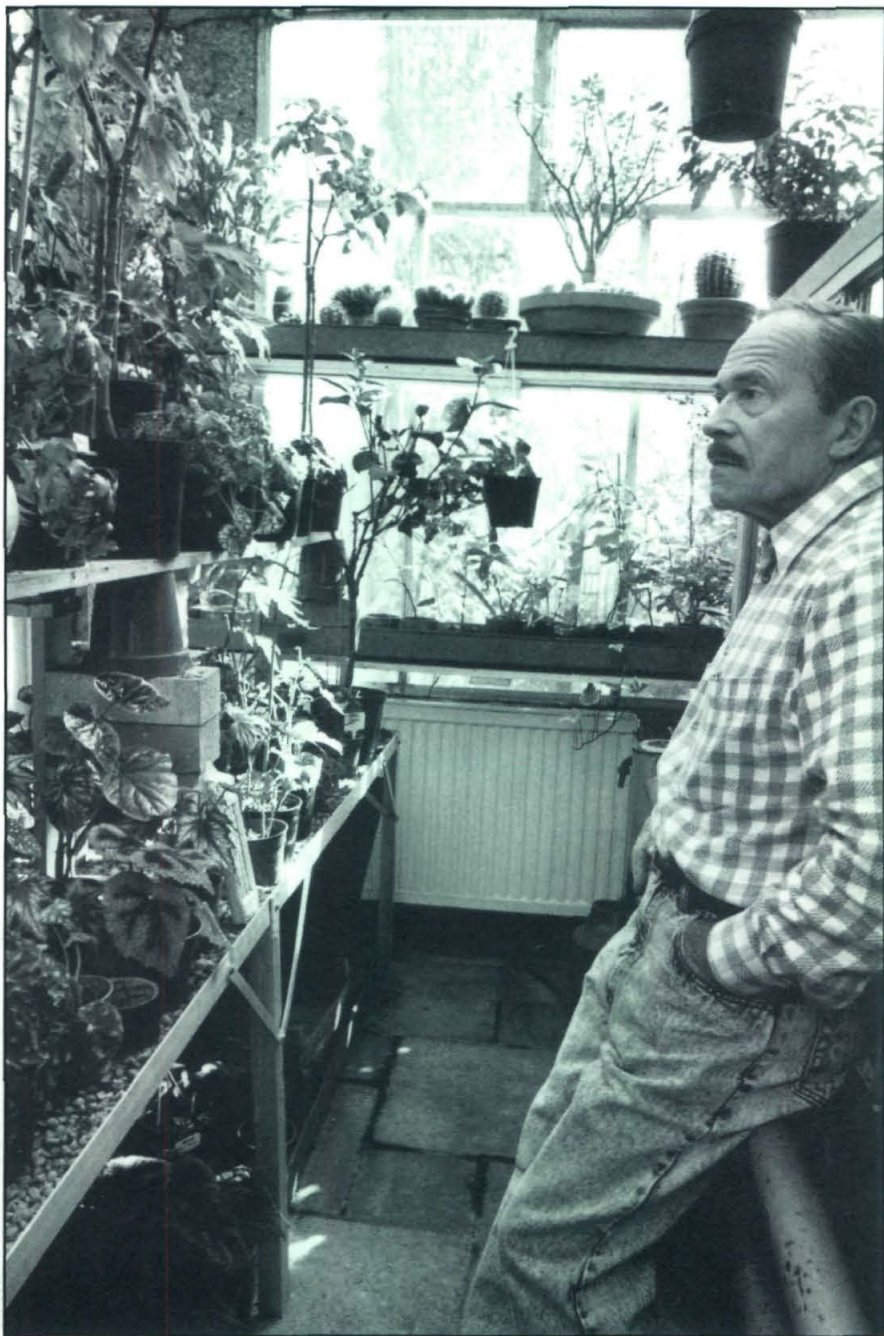
K. Mose Fadeem: "Glasgow Botanic Gardens and Highland Gardens"

Multi-talented Mose Fadeem, author, sculptor, radio personality, and technical editor of the **Begonian**, recently returned from Scotland. From him we'll learn about the Scots' begonias and begonia personalities - his photographic artistry is an added bonus.

10:30 a.m.

Kelton Parker: "Species Bank, Fort Worth Botanic Garden"

Kelton Parker, Begonia Curator at the Fort Worth Botanic Garden, is in charge of the 700-plus varieties of begonias in the garden's collection. His is the impetus behind the establishment of a begonia species bank, backed by computer catalogs of information and slides, as the central feature of the begonia collection. Kelton will share with us the joys and frustrations of attempting to conserve begonia species.



Hugh McLauchlan contemplating begonias in one of two heated glasshouses in his garden. One of the few private growers of canes, shrubs, etc. in Scotland, Hugh propagates what he can and shares them generously with his fellow Scots.

(See article next page)

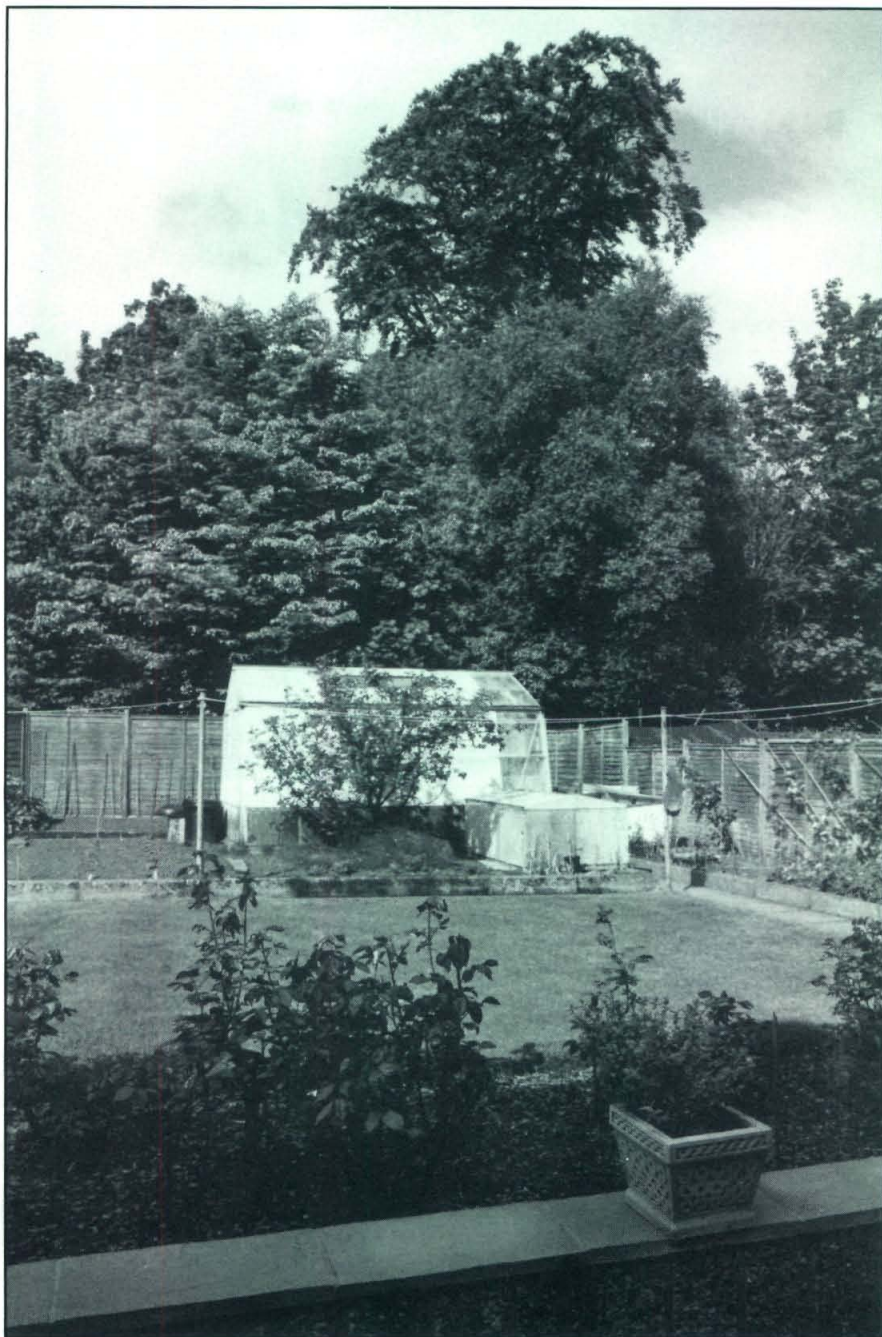
HUGH McLAUCHLAN

by Mose Fadeem

There were many highlights of my trip to Scotland in May of this year - it's a friendly and exciting country - but the most memorable was meeting and getting to spend time with Hugh and Betty McLauchlan. Hugh dazzled the Miami Convention of 1985 with his colorful slide talk "Begonias and Begonians of Scotland", then returned to San Francisco in '89 as banquet speaker. This year in Alexandria ABS members will once more have the opportunity to hear the Scot share his experience and observations of gardening on his home turf. But I think I should warn you - this bright jovial gentleman from the land of clans is no ordinary gardener. When Hugh McLauchlan steps into the garden, an aura of maniacal atavism permeates the morning air. On the surface the scene appears very neat and well-planned, methodical and certainly propitious - fruit and vegetables, roses and begonias are well apportioned to the space amply provided in the glasshouses and soil he has refined for thirty years - but before long, as one lingers, the true nature and heritage of the Scottish gardening soul seeps in...only an Old world Gael would grow carrots in drainpipes!

Hugh will explain all at the convention in September, and while he's at it, ask him about the charming snake in the house.

Hugh McLauchlan and Mose Fadeem will both be speaking at the ABS Convention in September.



Spruce, silver birch, and rowan among a variety of trees provide a splendid wooded backdrop for McLauchlan's garden. Photo was taken end of May as the growing season is just beginning. This glasshouse is predominantly devoted to tuberous begonias, while the coldframes are full with veges and bedding plants about to be planted out.

Clearing Up The Sinus Problem

by Jack Golding

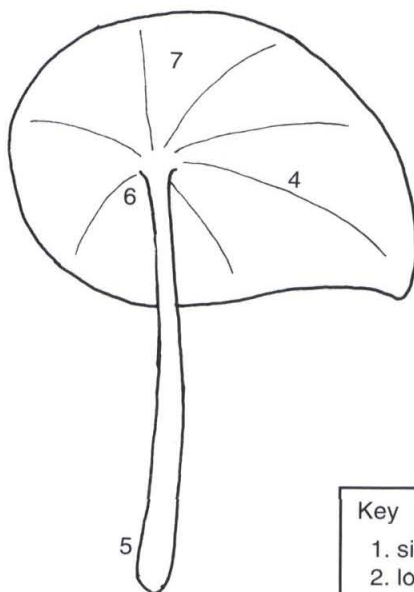
For a clear understanding of our begonia descriptions, it is essential to know the precise meaning of the botanical terms used. A few writers in their attempt to use simpler "non-technical" language actually have changed the meaning of some words.

The most notorious distortion is the incorrect use of the term **sinus**. A **sinus** is the space or recess between two lobes [protruding segments] or divisions of a leaf or other expanded organ.

In a typical *Begonia* leaf that is **obliquely** [with unequal sides] **cordate** [heart-shaped] and **basifixed** [with **petiole** (leaf stalk) attached to the **margin** (outer perimeter) at the **base**], the open space between the basal lobes is the **sinus**. In this type of leaf the petiole is attached to the **blade** [expanded part] at the base between the **lobes**.

This coincidence caused some writers in the late 1940's to use **sinus** incorrectly as the name of the place where the **petiole** is attached to the **blade** for all types of leaves. Unfortunately even today some readers following the older literature continue this error.

A **peltate** (or umbilicate) leaf has the **petiole** attached to the lower surface of the **blade** at or near the center, or at some point distinctly within the **margin**. In a **peltate** leaf the **umbo** is the place where the petiole is attached to the **blade**. A typical **orbicular** [circular] or **ovate** [egg-shaped] **peltate** leaf does not have a **sinus**.

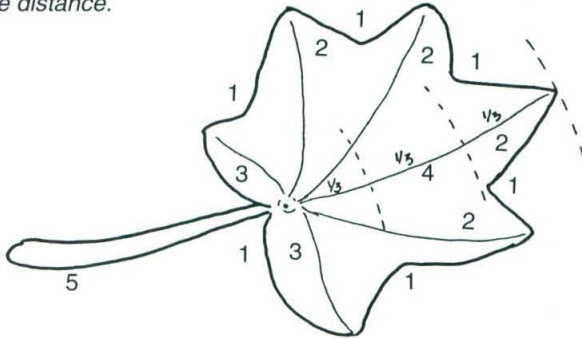


Key

1. sinus
2. lobe
3. basal lobe
4. midnerve
5. petiole
6. umbo
7. blade

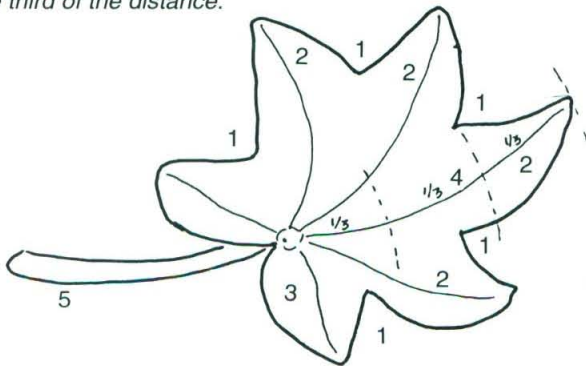
The distance the **sinus** cuts a leaf from the **margin** to the **midnerve** [central nerve, often a continuation of the **petiole**] or to the **base** determines the names for the following leaves:

lobed leaf - the **sinuses** cut within the first third of the distance.

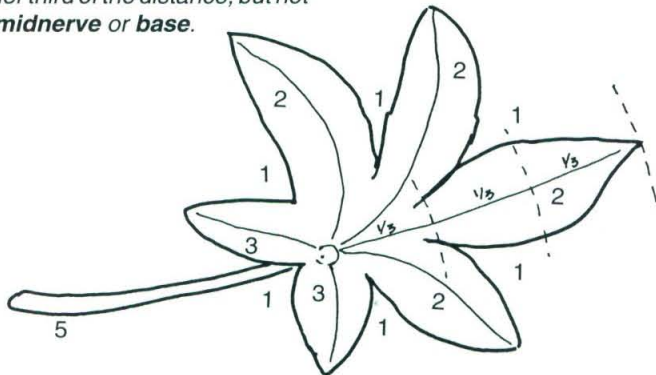


Key	
1.	sinus
2.	lobe
3.	basal lobe
4.	midnerve
5.	petiole
6.	umbo
7.	blade

cleft leaf - the **sinuses** cut deeper within the middle third of the distance.



parted or divided leaf - the **sinuses** cut to within the inner third of the distance, but not quite to the **midnerve** or **base**.



Jack Golding will speak on "Seeking an Identity - Tracking the Unknown" at the Convention in Alexandria. He lives at 33 Ingram Dr., Cranbury, NJ 09512-4641.

Unidentified Begonia Species List

Thelma O'Reilly, Project Director

The ABS Nomenclature Department maintains a list of unidentified species. These are assigned numbers preceded by "U" (for unidentified).

Your cooperation is important for supplying information, including observations, photographs, slides, or drawings, for this group. Any shared information will be appreciated. Please contact Thelma O'Reilly, 10942 Sunray Place, La Mesa, CA 91941.

The references in parentheses are to the **Begonian**, year: Seed Fund number or page. Example: B. U121 - (1984: M-J 11; 1989: 153-154).

B. U178

Guatemala. Live plant material collected by Scott Hoover along road from Goding to Cocales, Salola, 1979. Elevation 3,600 ft. (1990: 142.) Rhizomatous. Rhizomes erect, often branched, succulent, internodes short, shaggy hairs on new growth, setaceous (bristly) trichomes on mature growth. Leaf blades dark green, usually a red spot on upper surfaces at petiole-blade junction, barely to deeply cordate, deeply palmately lobed, upper surfaces nearly glabrous, under sparsely pilose. Petioles 8-12 inches, sparsely tomentose-lanate (dense wooly covering of short hairs) with trichomes. Stipules subpersistent, keeled, terminating in a long bristle. Peduncles tomentose-lanate. Bracts ciliate-serrulate, sparsely pilose and glandular. Staminate flowers: white to pale pink, glabrous, frequently glandular, two tepals. Pistillate flowers: white to pale pink; bracteoles subpersistent, obovate, marginally serrulate-denticulate, glabrous, glandular; two tepals, stigma lunate, three unequal wings. Flowering late December-April according to location. Identified as *Begonia crassicaulis* Lindley by Thelma O'Reilly. Verified by Dr. Lyman B. Smith. Note: For additional information see "*Begonia crassicaulis* - Fantasy or Fact" by T. O'Reilly **Begonian** 1985: 4-7.



Leaf underside, B. U179.

Plant grown and photographed by Thelma O'Reilly

B. U179

Guatemala. Live plant material collected out of Cobun alta Vera Paz by S. Hoover, 1979. Elevation 4,100 feet. (1988: SF S-016 173, 1990:142.) Rhizomatous. Rhizome quickly becoming erect, occasionally squamose at nodes, lenticellate. Leaf blades 5-7 inches, green, occasionally red-flushed, cordate, marginally ciliate and sparingly undulate, shallowly lobed, glabrous above, glabrous in intercostal regions below with prominent broad, lacerate scales of brilliant red tipped with white bristles on the principal nerves. Petioles 4-6 inches, green, closely spaced large, thick, concentric rings of white-tipped red lacerate scales prominently mark the upper section of petioles with trichomes scattered over the lower section. Stipules 1 inch, strongly keeled, marginally entire, persistent. Inflorescences 10-15 inches, asymmetric, many flowered. Staminate flowers white to light pink, glabrous, tepals two. Pistillate flowers white to light pink, glabrous, tepals two. Pistillate flowers white to light pink, glabrous, tepals two, stigmas lunate, wings three. Identified as *B. manicata* Brongniart by T. O'Reilly. Verified by L. B. Smith. Note: This is a superior form of *B. manicata*, different from other forms I have seen in collections.

B. U180

Panama. Live plant material collected at Pinas Bay, near the Colombian border, by Steve Correale, Miami, FL, 1984. Information supplied by Charles Jaros, 1985. Leaf blades green above and below, shallowly lobed, cordate. Petioles pale green, lenticellate with short, bristly scattered hairs. Plants were observed growing epiphytically side by side in the fork of a tree approximately twenty-five feet above the ground. None were ground growing terrestrially.

B. U181

Panama. Live plant material collected at Pinas Bay near the Colombian border by S. Correale, Miami, FL, 1984. Information supplied by C. Jaros. Rhizomatous. Leaf blades green above with bronze highlights, narrow red border marginally, sparsely ciliate, red-flushed with light green veins beneath. Petioles glabrous, green flushed red. This begonia and Begonia U180 were growing side by side in the tree fork. It is possible this one is a form of B. U180.

B. U182

Solomon Islands, Guadalcanal. Seed collected near the village of Tanvasa by a third generation Sicilian serving in the Peace Corps, 1984. Seed distributed by Martin Johnson, 1985.

B. U183.

Philippines. Seed distributed by M. Johnson, 1986. Flowers white.

B. U184

Philippines. Seed distributed by M. Johnson, 1986. Flowers red.

B. U185

Philippines. Plant imported from Queson by M. Johnson, 1984. A ground creeper with white flowers. (1986: SF M-A9 48, 1989: SF 68-69).

B. U186

Venezuela. Seed supplied to Seed Fund by Professor J. D. Doorenbos, 1985 with information that he received seed labeled "SH 1980," and it belongs to the section Ruizopavonia. (1986: SF M-A9 48, 1989: SF 68-69 112.) Plants have been reported as Shrub-like and Thick-stemmed. Leaf blades green, shiny, ovate, glabrous with a prominent red spot at leaf blade-petiole junction. Several growers report that growth habit and appearance are similar to B. U095 but the flowers are different.

Thelma O'Reilly, Unidentified Species Project Director for the Nomenclature Department, will be speaking at the National Convention "Exploring the World of Begonias" on the fascinating "U" numbers and her search for their identities.



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The Pine Cone Begonias

by Helen Spiers

You never know what a visit to a nursery will turn up. As I travelled to the Southwest Region Get-Together in May, 1989, I noted on my left a number of greenhouses and made a mental note to make them a rest stop on my return trip. I did just that.

The young man in charge asked my interests, and I replied "Begonias and ferns." He directed my attention to a few hanging baskets of semps, and commented that he was low on begonias - a true understatement.

Then he pointed me in the direction of the ferns, but halted as he recalled he had some beautiful pine cone begonias. Now that perked the ears and sparked the mind of this begonia lover!

Enroute to their location the young man enthusiastically described the beautiful dark green leaves and huge, deep pink blossoms. I was so excited!

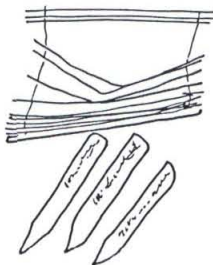
And then - behold the wonder! Before my astonished eyes was a table filled with Jacobinas. On the table was a large sign: PINE CONE BEGONIAS!

This article first appeared in the SWR Begonia Leaflet in March, 1990.

Southwest Region Vice-Director Helen Spiers is always on the lookout for new begonias. Usually her search is more successful! Her address is 1423 Laskey, Houston, TX 77034.

Recycle!

Old mini-blinds can be cut up for plant labels. Round the edges -or they'll be too sharp.
- Queensland Begonia Society Newsletter & Southwest Region Begonia Leaflet



Save Water!

Revive the old rain barrel. Place large containers at the end of your gutters to use runoff (but watch out for mosquito larvae).
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Survival Checklist

the key to keeping your begonias alive over the winter is to plan ahead

In the garden:

1. Mulch! Bank mulch around the bottom of your begonias now, and add more mulch as weather turns colder. With the first frost, cover the plants with 4" of mulch.

2. During the winter, don't forget to water occasionally if rain is sparse.

3. For taller plants, consider building a cold frame (see page 176).

4. If frosts are only occasional, plan for emergencies. Some suggestions:

*Sheets, blankets, layers of newspaper can be used to cover plants temporarily

*Fill gallon jugs with hot water, and cover jugs and plants with a cardboard box or with temporary shelters made from boards and plastic

*Use heating cables to keep soil from freezing

In the house:

1. Start moving plants into shadier spots in the garden to acclimate them to lower light conditions indoors.

2. As the weather turns cooler, inspect each plant. If you find signs of pests or disease, treat before taking the plant indoors. Repot and cut back foliage as needed. Then mist each plant with soap (Safer's, or a few drops of Ivory liquid to a quart of water) and water. Wipe off pots.

3. If you plan to keep plants under lights, check the fixtures. Are cords in good shape? Do you need new bulbs? Will you need a timer?

In the greenhouse:

1. Check heaters, thermostats, and fans several weeks before you need them. Make necessary repairs and purchases. Do you have a source for back-up heat?

2. Unless you're in an area where winter brings hot days, remove shade cloth. Winter sun is weaker.

3. Clean! Hose down the greenhouse, inside and out, with detergent. Include benches and floor. Leave the suds on for a few minutes before rinsing.

4. If mildew has been a problem, spray interior surfaces with chlorine bleach or Lysol and/or blow a small amount of sulfur into the air. Other helps with mildew: increase light, raise temperatures.

5. Before bringing plants in, mist them with soap (Safer's, or a few drops of Ivory liquid to a quart of water). Check plants for pests or disease, and treat if found. Wipe off pots.



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The Soda Solution

Howard Siebold answers the question posed in *Around ABS*: how much baking soda is used per gallon of water to treat begonias for mildew?

The use of baking soda for treating mildew was first mentioned in a report by J. A. Quinn and C. C. Powell, Jr., "Controlling powdery mildew: some findings," in the December 1980 issue of the **Begonian**. The amount used is 2 teaspoons of baking soda per gallon of water.

It would seem that the mildew is inhibited by an alkaline environment. It occurs to me that so many of our areas have rain that is more or less acid, which may contribute to the mildew problem.

Some plants (roses, zinnias, lilacs, apple trees, etc) are very susceptible to mildew. Keep them away from your begonias.

In Quinn & Powell's tests, a *Hiemalis* variety very prone to mildew was potted in 4" pots; spray materials were applied four times at weekly intervals, and mildew was introduced by blowing it over infected leaves onto sprayed leaves four days after the first spray and again four days after the second spray had been applied. Counts of numbers of infections were made one day after the last spray (see table for their results).

The researchers also state that a constant temperature of 84° or more would prevent infection, but that temperature would be too high for good growth. Holding infected plants at 90° for 6 days will eradicate the mildew; with this treatment protection from sun burn and excessive root drying must be provided.

Table 1. Efficacy of products available to the home horticulturist in treating powdery mildew of *Begonia*

Treatment and rate per gallon	Mean Infections per plant ³
Control (no treatment)	25.6
Karathane 18.25W, ½ tsp. + Exhalt 800 ¹ , ½ tsp.	0.0
Bicarbonate of soda, 2 tsp.	1.6
Bicarbonate of soda, 2 tsp. + Exalt 800, ¾ tsp.	4.1
Lysol liquid cleaner, 2½ Tbls.	2.1
Lysol aerosol disinfectant moderate mist ²	8.4
Epsom salt, 1 tsp. + Exalt 800, ¾ tsp.	4.4
Epsom salt, 1 tsp.	8.8
Benomyl (Benlate 50WP), ½ tsp. + Exhalt 800, ½ tsp.	13.0

¹ Exhalt 800 is a spreader-sticker spray additive.

² Plant misted for three seconds from a distance of 8 inches. Treatment was phytotoxic.

³ *Begonia x hiemalis* 'Krefeld Orange' was used in these tests. Infections were counted one day after the last of four weekly sprays.

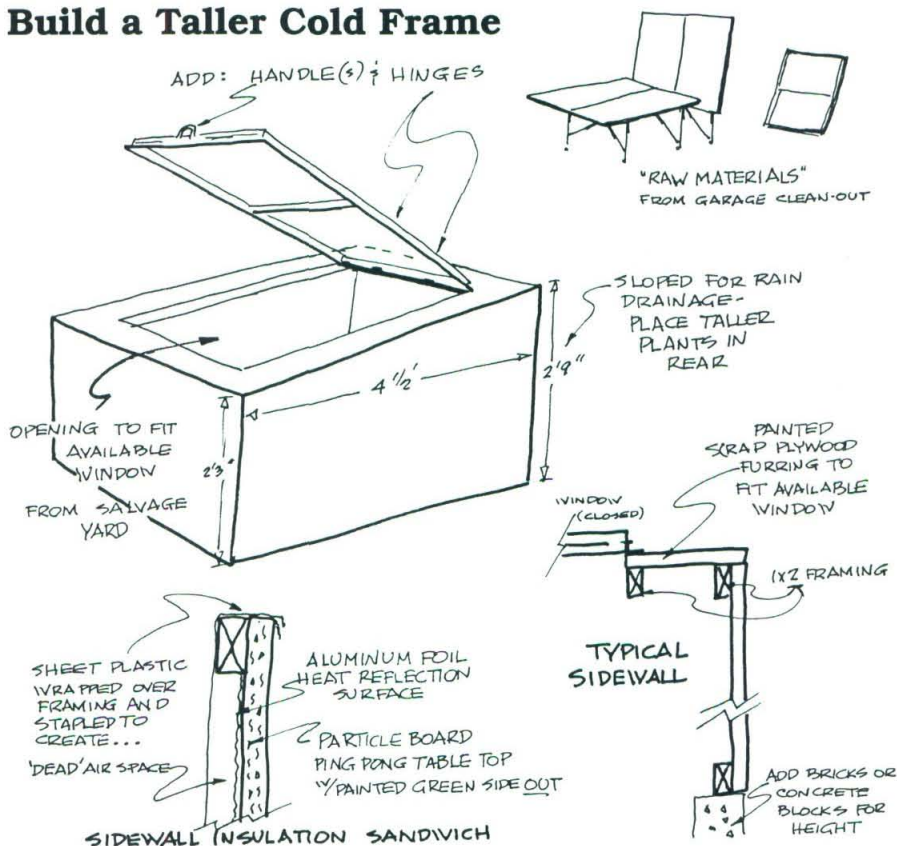
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Build a Taller Cold Frame



by Bruce C. Boardman

Kathie Pritchett of Plano, Texas had a problem: winter was approaching, and she had dozens of pots of B. 'Lucerna' she didn't want to lose but couldn't squeeze into the house.

The kids were off at college, and husband Bill Pritchett wanted to get rid of an old ping-pong table they no longer used. There was an old aluminum-frame window, too, left over from remodeling.

Solution: 'recycle' the ping-pong table top into a cold frame tall enough to hold the canes, with the window as a lid.

Bill lined the inside with aluminum foil for heat storage and clear plastic film to hold in the humidity; a "dead air" space between the foil and the plastic gave added cold protection. A ceramic fixture with two incandescent light bulbs (one 100 watts, one 200 watts) that could be hooked up during the coldest nights was also added.

The Pritchetts will be loading their cold frame for the third winter. Their plants have survived in good health for two winters, despite temperatures below zero F.

Bruce C. Boardman's address is Box 249, Roanoke, TX 76262.

Begonia Portrait

or,

An Old Timer that Refuses to Die & Always Reminds Me of Begonia People

by Stephen Wells

When I first took up growing begonias, I lived in San Diego and was fortunate indeed to meet many of the "bigwigs" in the begonia world there. I was a member of the San Miguel Branch at the time I commenced the fascinating pastime of begonia cultivation.

I distinctly remember my disbelief in the claim that begonias could live to be 15, 20, and yes, even 25 years old. This thought was communicated not as a concept gleaned from a book, but rather through direct statements of fact from the likes of Alice Clark and Katherine Hunter, proprietor of the famous Rosecroft Begonia Gardens.

However, today, sitting at the keyboard of a computer with the brainpower equal to a \$50,000 Univac, circa 1971, I can gaze over to a trusty old begonia friend that was struck as a cutting in 1971 - and today occupies only its third container.

Enough suspense. The old timer is Begonia 'Ginny' from Wally Watchorn of Oceanside, California. Gee...15 years in the same pot! And only just transplanted because the cats knocked it off its summer perch under the 30% shade cloth structure on the east side of the house [with additional mature Monterey pines (*P. radiata*) for sunshade and protection].

Now in an 8 inch plastic imitation bonsai pot and fully recovered from the fall, she is shedding yet another of the countless sheets of bloom that she has put forth at the rate of 2 or 3 flushes per year. What a pleasant surprise to see B. 'Ginny' winning her class at a recent national convention in

Boston. By the way, for all you curious, the real "Ginny" is Virginia Watchorn, and Wally sure did pick a "Real Goodun" to honor her name.

For the technically minded, B. 'Ginny' originated from a cross of *B. echinosepala* x B. 'Margaritae' and is classified by the Thompsons as shrub-like, hairy-leaved, narrow-leaved, with pale pink flowers with red hairs, **everblooming** and **profuse**. My emphasis on the last two words is well deserved.

1971 is the year listed for her introduction, and I remember receiving this plant from Wally personally on one of my very first visits to his garden as a total begonia neophyte. This is proof enough of the plant's tough constitution. More proof is found in her survival of four moves and many winters spent indoors next to a wood-fired stove that generated vast amounts of hot, dry heat: not exactly ideal begonia conditions. B. 'Ginny' is no softy when the temperature dips and she regularly has to put up with 40° temperatures in a cold greenhouse during the late fall here; she's even survived frost a few times.

A good question might be: what did I feed it all those years in the same pot? Yes, good question. Aside from not-so-regular liquid feedings with 20-20-20 or 15-30-15, the real secrets are Osmocote 14-14-14 and Maxi-crop seaweed concentrate. The Osmocote pellets I use as a top dressing about twice a year.



B. 'Ginny'

photo by Janet Welsh

The seaweed concentrate was the subject of initial rejection and yes, even derision, from a gardener raised on the holy grail of N-P-K (nitrogen, phosphorus, potassium). The label lists only minute amounts of N-P-K and a long list of minor and really minor elements (the analysis shows traces of silver, gold, and even rubidium), and this put me off. However, years of trial by fire proved its worth. The only drawback to this 'snake oil' is the high percentage of chlorine and sodium, which happily don't seem to have much effect when used at the recommended rate of just 1 gram of Maxi-crop powder to one gallon of water.

The occasional renewal of the first inch of soil and the inclusion of some coarse oyster shell also seem helpful.

My favorite features of B. 'Ginny' would have to be those cute little red hairs all over the flowers, her wonderfully profuse flowering habit, and one heck of a tough constitution.

Stephen Wells is now a Member at Large, and his paeon to B. 'Ginny' appeared in the MAL Newsletter #15, January, 1990. His address is Box 312, Redway, CA 95560





the irresistible sign

An Unexpected Delight

by Tamsin Boardman

In March of 1991 my husband Bruce and I visited the incredibly lovely south island of New Zealand on our way to the Australian Begonia Convention. I won't go into the beauty of the island, or you'd never shut me up! Suffice it to say that no matter how gushing the reports, they are all true. It's a place where you can close your eyes, aim your camera in any direction and capture - oh, dear, I promised not to rave on about New Zealand. Well, allow me just one fact: no one had told us about the air. It's crystal clear, and, if you're old enough to remember clean air, you'll understand when I say that the air alone is worth the trip. It's a place where merely breathing is a pleasure.

We were heading towards the western coast of New Zealand, skirting the sea and trying to adjust to driving on the left side of the road, when a small sign caught my eye. Several left turns later (in New Zealand it's much easier to turn left than right) we drove up to the Washbourn Gardens in Richmond, not knowing whether we were stopping for a nursery or a botanic garden.

Washbourn Gardens is neither. It is a city park, with benches on the grass under large trees, and large, neatly groomed beds filled with flowers. On the day we were there, the benches were occupied by readers and by mothers watching their children at play nearby under warm sunny skies.

Toward the back of the garden stood a pair of raised greenhouses. As we went up the ramp into the first greenhouse, a man in rubber boots with a bucket of spent leaves and flowers passed by and smiled. In my haste to see the begonias, we didn't stop to chat - a bad mistake, for we missed our chance to find out more about the begonia house.

Inside was a collection of tuberous begonias, in full bloom, on banked benches reaching almost to the ceiling. Row after row of blossoms greeted our eyes, artistically arranged for variety and charm.

Are you wondering what tuberous begonias were doing blooming in March? That's towards the end of their normal bloom period in the southern hemisphere, where the seasons are the opposite of ours here in the north.

A sign told us that the greenhouse and the begonias had been given to the city by the Richmond Rotary in 1987. Rotary continues to maintain the collection.



above: entrance to the Begonia House



one of the aisles of the Begonia House

The second greenhouse held a smaller, lovely collection of fuchsias.

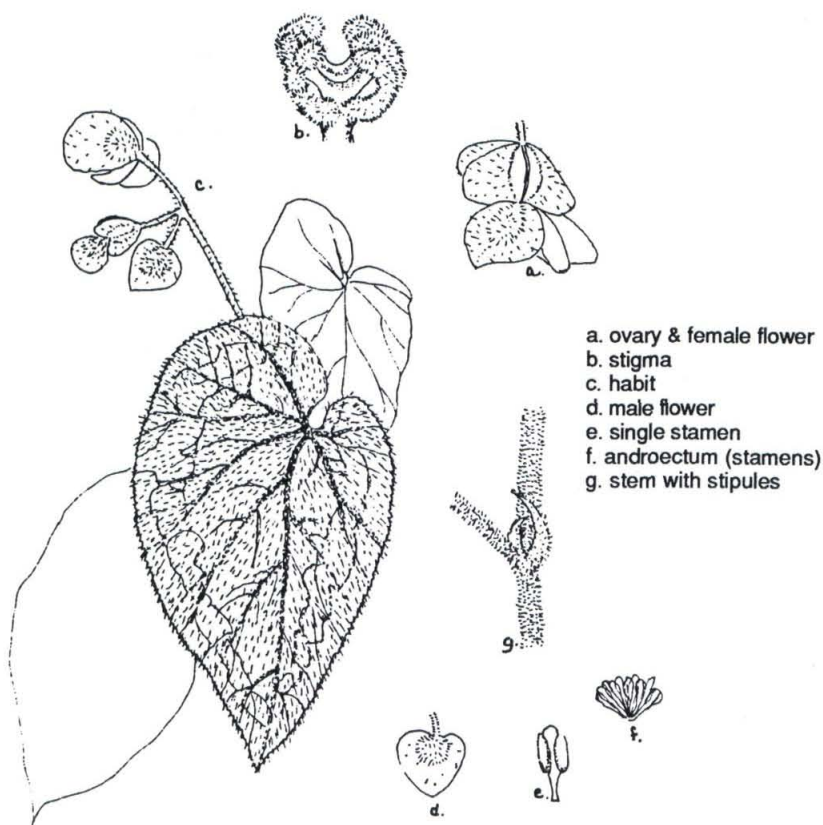
Washbourn Gardens and its Begonia House weren't mentioned in any of the tourist information we had stockpiled on the area. Nor had it been mentioned by begonia loving friends. Our discovery was pure serendipity, one of those completely unexpected delights that make travel exciting.

Tamsin Boardman's address is Box 249, Roanoke, TX 76262.



SPOTLIGHT ON:

Begonia cathayana



- a. ovary & female flower
- b. stigma
- c. habit
- d. male flower
- e. single stamen
- f. androecium (stamens)
- g. stem with stipules

by Mary Weinberg

B. cathayana Hemsley was discovered in 1904 by Dr. A. Henry near Mengtze, Yunnan, China at an elevation of 5000 feet and first introduced into cultivation by A. K. Bully from seed collected for him by Dr. Henry. It is in section *Platycentrum*, and has 20, 22 chromosomes.

B. cathayana is classified as a rhizomatous begonia with distinctive foliage, unusual surface and/or unusual coloring.

It was described by Charles Chevalier, *Begonias*, as: "Stems rigid, 12-25 inches high, suffrutescent, covered with long, soft crimson hairs, intermingled with white hairs. Leaves obliquely cordate 8" x 5", more or less distinctly lobed, finely dentate, lobe at base round, lateral lobe and summit acuminate, soft velvety to the touch, dark olive green with a light green zone and purplish veins, underside dark wine color. Petioles 3 1/2" - 5", terete,

succulent light green covered with white hairs. Stipules narrowly triangular, pointed, 8" - 10" long, hairy persistent.

"Inflorescence axillary 10-12 flowers, on a peduncle shorter than the leaves. Bracts small hardly visible. Flowers medium sized, 1"-1 1/2", salmon orange, hairy, all in the same panicle of one sex, glabrous inside, the females with five petals, ovate-oblong (3 large and 2 small), stigma short. Ovary very hairy, pendant, unequally three winged, yellowish green. Blooming season August to December."

I bought seed from the Clayton M. Kelly Seed Fund several years ago. Germination was poor: two or three plants were all that came up. I planted them together in the same terrarium, gradually moving them to larger terrariums as their size increased. They are now in a sixteen inch plastic terrarium, planted in a mixture of long grain sphagnum moss and perlite. The terrarium is sitting in front of a north-east window; in the evening it gets light from a nearby-by table lamp.

I have not seen many plants of *B. cathayana* outside of those pictured in begonia books. There was a lovely one at the Annual Begonia Show at Santa Cruz, California, in bloom and quite beautiful.

My *cathayana* began blooming for this first time in March of 1985, and was still blooming in June. I cannot explain its bloom cycle beyond saying it must be happy.

NATURAL HABITAT

Yunnan is at the southern-most end of China. It is a mountain region, having rolling uplands and plateaus. Pacific air masses are the chief source of summer rainfall that sometimes results in flooding.

As China is a vast country with complex topography, the interaction between air masses produces many different types of climate. The mean temperature for southern China is well over 68° F. for the winter months, and well over 84° for the

summer months. In Yunnan weather is fine throughout the year; spring and autumn together make up 310 days, and winter lasts less than two months. Rain is about 80 inches annually, varying throughout the country. Soils in this area are leached noncalcarout, which are neutral to acid.

CULTURE

Humidity: 70% is necessary to grow this plant. Terrarium care is a must.

Temperature: Keep the terrarium in a warm place, about 72°-75°, as this plant requires additional warmth.

Light: Bright light, without direct sunlight, will keep leaves colorful.

Water: Be careful when watering not to get foliage wet, as leaves will turn to mush quickly; this also happens if leaves touch the sides of the container.

Growing Medium: Sphagnum and perlite mix is ideal for growing this plant in a terrarium.

Propagation: By seed and cuttings. Cuttings of stems root easily.

This article first appeared in the *Chicago Begonian*, June 1985.

Mary Weinberg lives at 1527 W. Highland Ave., Chicago, IL 60660.



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Scented Begonias

by Esther Nagelberg

Most people associate roses with their scent. Have you ever wondered whether there are any scented begonias?

With a little research, I have found that, indeed, there are scented begonias. Keep in mind, however, that not everyone has a keen sense of smell; that some odors are more noticeable at different times of day; and that one's method of growing may have an effect on a begonia's scent.

The following is a list of scented begonias you might like to try:

Species:

- B. venosa**
- B. minor* (syn. *nitida**)
- B. solananthera*
- B. herbacea*
- B. lanceolata* (syn. *attenuata*)
- B. decora*

*seed available in this issue's Seed Fund

Hybrids:

- B. 'Lenore Olivier'
- B. 'Dale Kramer'
- B. 'Mandarin'
- B. 'Lana'
- B. 'Tea Rose'
- B. 'Honeysuckle'
- B. 'Lubbergei'
- B. 'Martha Floro'
- B. 'Kristy'
- B. 'Sweet Dreams'
- B. 'It'

Tuberhybrids:

- B. 'Yellow Sweetie'
- B. 'Ruth Siebold'
- B. 'Sweet Dianne'

Esther Nagelberg edits the *Palm Beaches Branch* newsletter, where this short article first appeared. Her address is 6306 Emerald Sky Lane, Lake Worth, FL 33463.



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Recycle!

Use old fish bowls as homes for begonias that need higher humidity.

-Rubidoux Begonia Gazette



Recycle!

Strips cut from old hosiery make good ties for staking plants; small pieces can be put in the bottom of pots to keep soil in (but allow water to flow through). Line hanging baskets with large pieces.

-Rubidoux Begonia Gazette



BULLETIN BOARD

ABS News

Miami Branch to host 1993 Convention

At the June 22 meeting in Santa Barbara, the Board voted to accept the bid by Miami Branch to host the National Convention in 1993.

How will the branch top their fabulous 1985 Convention? They invite you to come on down and find out!

Appointments:

Ralph Corwin and **Ed Bates** have been appointed to the Audit Committee.

Bruce C. Boardman has been appointed Conservation Administrator.

Resignation:

Kit Mounger resigned as Members-At-Large Director.

Elections:

New officers' names will appear in next issue. Deadline for ballots' return came after press time.

Openings

Would you like to get more involved in your Society? To contribute your talents and make a difference? ABS has two volunteer positions open:

Business Manager

business experience and computer skills a must

Members-At-Large Director

edit quarterly newsletter, heavy correspondence, computer helpful.

Please contact President Jeannette Gilbertson.

Attention!

Branch Newsletter Editors: Please send copies of your newsletters to the following ABS officers: Jeanette Gilbertson, President; Norma Pfrunder, Historian; Doug Hahn, Branch Relations; Tamsin Boardman, Editor.

Branch Officers:

Please send name and address of your National Director to Doug Hahn.

Please check your listing in the branch directory in this issue, and send updates to editor Tamsin Boardman.

All Chairmen and Directors: Please send your annual report to President Jeannette Gilbertson before the annual meeting on September 14.

Donations Requested

Conservation Director Scott Hoover has requested \$5,000 for his upcoming trip to Indonesia. The Board voted to donate \$1,000 and requested that members and branches support the trip also. Please send donations to Treasurer Eleanor Calkins marked "for Hoover expedition."

Branch Relations

The 2nd issue of the Branch Relations newsletter will go out in August. To be sure your branch gets its copy, please send the name and mailing address of your National Representative to Branch Relations Director Doug Hahn, 7736 Stonehill Dr., Cincinnati, OH 45255 (please note new zip) or call 513-232-1034. Any ABS member interested in receiving a copy may send a self-addressed stamped legal-size envelope.

There will be a Branch Relations meeting at the convention. Each branch is asked to appoint a representative to attend.

If your branch publishes a newsletter, please be sure the Branch Relations Director (address above) is on your mailing list.

In the News...

The January-February issue of *International Wildlife* featured a photo by **Jacques Jangoux**.

JUDGES' CORNER

Congratulations to two new judges:

Jeanette Resen
Karen Lawrence

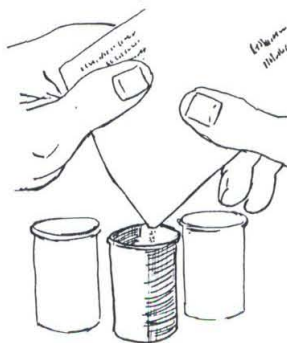
Show News Around the Country

Palm Beaches Branch Show last spring had 151 entries, with 67 blue ribbons and 11 cultural awards given. Best of Show went to **Nan Scoble** for *B. luxurians*. **Charles Jaros** won Sweepstakes.

Bob Koehler won double honors at the *Pinellas County Branch Show* on Mothers' Day weekend, taking Best of Show and Sweepstakes (with 19 blue ribbons) in a field of 124 entries. The plant sale surpassed all previous years' sales, and show and sale attracted many visitors, including members of Jacksonville Branch who hired a van and came en masse.

The *Jacksonville Branch* presented its annual show, "Begonia Mania" May 24-25. There were 122 entries.

Sweepstakes went to **Ed Harrell** with 27 winners. B. 'Elaine', grown by **Willie Mae Smart**, won Best in Show. Other division awards went to **Les Guthrie** for B. 'Elaine Wilkerson'; **Willie May Smart** for B. 'Helen Teupel' and B. 'Withlacoochee'; **Ed Harrell** for B. 'Joe Ed' (a new thick-stemmed hybridized by Ed); and **Mary Bucholtz** for B. 'Christmas Candy'.



Recycle!

Save used envelopes to collect seeds; cut a very tiny piece off one corner to serve as a funnel to pour seed into a smaller container - chaff will remain in the envelope.

- Phyllis Bates, Palomar Branch

IN MEMORY

Fannie Mann, long-time member of South Bay Branch, died June 1. She was 93. We'll miss her deeply.
- Begonia Leaf-let, South Bay Branch

Betty Hough of Whittier Branch died in mid-May.

Palomar Branch member **Ruby Louie** died recently.

COMING EVENTS

September 7-8: Sacramento Branch Show & Sale, "The Begonias of California - A Tribute to California Hybridizers" at Shepard Garden & Arts Center, 3330 McKinley Blvd. For more information, contact Show Chair Adeena Kalal, 6043 10th St., Rio Linda, CA 95673.

September 12-15: American Begonia Society National Convention, Old Colony Inn, Alexandria, Virginia. Theme is the "U" numbers. Convention Chair is Barbara Nunes, 6025 Greeley Blvd., Springfield, VA 22152.

September 26: "Begonias: Growing & Grooming", seminar by Russ Richardson at Atlanta Botanic Gardens. 7:30 p.m.

October 22: "Begonias", class at Missouri Botanical Gardens taught by Dale Elmsblade. Enrollment limited to 30. For more information, call Dale at (314) 429-0108 (home) or (314) 872-2431 (work).

November 9-10: Fort Lauderdale Branch Fall Show & Sale at Secret Woods, a Broward County Nature Park, 2701 W. State Rd. 34, Fort Lauderdale, FL.

November 11-13: National Arbor Day Conference to Promote Trees for Energy, Lincoln, Nebraska. Call (402) 474-5655 for more information.



Recycle!

Plastic baskets used by grocery stores for berries make good winter storage containers for begonia tubers. (include the label with the tuber when storing)
-San Francisco Begonian

1992:

March 4-8: Atlanta Branch participates in the Atlanta Flower Show at the Atlanta Apparel Mart/Inforum.

March 7-8: The Victorian Begonia Society will be hosting a convention in Ballarat, Australia to coincide with the Ballarat Botanic Gardens' Begonia Festival.

April 3-Oct. 12:

Ameri-Flora '92

International Floral & Garden Exposition, Franklin Park, Columbus, Ohio. United States' first international floral event, commemorating the Christopher Columbus Quincentennial, with gardening exhibits by 30 nations including Japan, Monaco, Italy, Spain, UK, Bahamas, Canada, Dominican Republic.

American Begonia Society Convention will be held in Orange County, California.

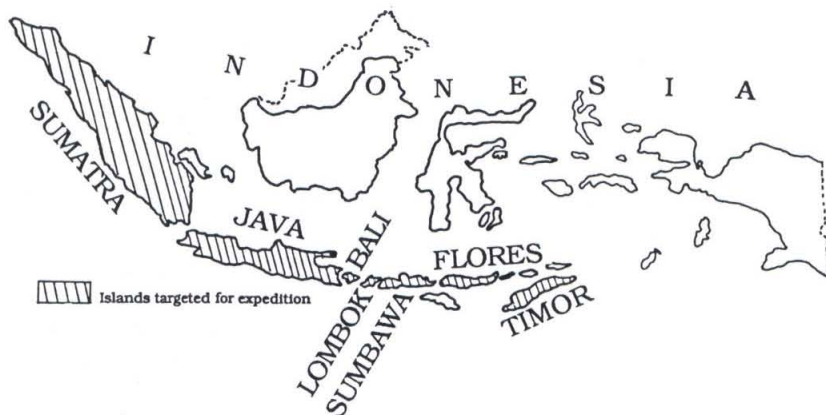
Deadline for next issue is September 15



Double Recycle!

Clear plastic bags have many horticultural uses (for propagating, shipping, & covering cuttings, plants, seeds); the bags will take up almost no space if stuffed into cardboard tubes from paper towels.
- Martha Curry, Mae Blanton Branch

CONSERVATION NEWS



Geographical Location for Indonesian Expedition

W. Scott Hoover, Director of the Conservation Department, is requesting support for an Indonesian *Begonia* collecting expedition.

Plans are to spend October through December, 1991, exploring several Indonesian islands, including Sumatra, Java, Bali, Lombok, Sumbawa, Flores, and Timor, with three assistants.

The islands targeted are mountainous, with volcanic mountains in excess of 2500 meters. Special attention will be paid to cool mountain regions with high rainfall, as these are the most likely to yield *Begonia*.

The area is known to be rich in plant life. There are 36 described *Begonia* species from Sumatra, and 22 from Java.

The Arnold Arboretum and the Botany Department of the Montreal Botanic Garden will receive herbarium specimens col-

lected. Seed and possibly cuttings will be sent to the University of Montreal. Epidermal peels will be made to further Scott's *Begonia* research. Martin Johnson will distribute germplasm.

Plans include hiking known trails and stream beds to mountain tops, spending nights on the trail in "jungle hammocks."

An exciting addition will be two video cameras donated by Sony; a total of 120 hours of video taping is planned.

Total cost of the expedition is estimated at \$26,233.00.

Donations should be made out to American Begonia Society, sent to ABS Treasurer Eleanor Calkins, 910 Fern St., Escondido, CA 92027, and marked "for Hoover Expedition".

Your Branch Newsletter

A branch newsletter announces meetings, relays the minutes and treasurer's reports, reports on happenings among the membership. Many newsletters include cultural tips, nomenclature updates, show information, begonia history, drawings and photos, bits of humor.

Editing a newsletter, however, isn't the easiest job in the world. Deadlines are inexorable, promised articles often late, ballyhooed speakers back out at the last minute, and readers, being human, tend to scold rather than praise.

Back in June, 1941, the **Begonian** published this short note about -

The Joy of Being an Editor

Getting out this journal is no picnic.
If we print jokes, people say we are being silly;
If we don't, they say we are too serious.
If we clip things from other magazines,
We are too lazy to write them ourselves;
If we don't, we are stuck on our own stuff.
If we stick close to the job all day,
We ought to be hunting up an article.
If we do get out and try to hustle,
We ought to be on our job in the office.
If we make a change in the other fellow's write-up, we are too critical.
If we don't, we are asleep.
Now, like as not, someone will say
We swiped this from some other magazine.
We DID!
(from the Rhodesia Railway Review).

Things haven't changed since. All of the following remarks from editors of ABS branch newsletters are presented anonymously:

"I would like to thank everyone who gives me information for our newsletter. I would also like to ask if there is any one who would like to take over the newsletter..."

"I tried to better live up to my goal of printing a helpful and informative newsletter this month like I promised before but didn't have the time to do..."

"...need a permanent editor to put out a regular newsletter..."

"Please, this is *your* newsletter! Let me know what's going on out there!"

"The program this month will be a surprise - and surprises are always nice, so it should be a good one you won't want to miss..."

"...sorry this is late, the computer has been down..."

"...and mentally I'm out to lunch, so that's it for this time."

"Surely out of 30 members there is one who will take over the newsletter..."

"In case you are wondering at the tardiness in receiving this letter and also the brevity thereof it has to do with a certain amount of procrastination and slovenliness on the part of the editor. He really should be ashamed of himself but he does have plenty of excuses if anyone is interested in hearing them."

If you receive a branch newsletter, take a minute and thank the editor for all that effort! Better yet, offer to help get it out.



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CLAYTON M. KELLY SEED FUND NOTES

September-October, 1991
Diana H. Gould, Seed Fund Director

Germination times for the selections listed range from 6 to 58 days, except for *B. froebelii*, which has very poor germination in 70 days and is in very limited supply.

Thank you! to **Judy Becker, Roberto Brin, Michele Cole, Jackie Davis, Alain Delavie, Lynda Goldsmith, Jan Goodwin, Jake Hafer, Martin Johnson, Naomi Lynch, Mickey Meyer, Joy Porter, Lloyd Van Epps,** and all our anonymous donors for this issue's selections.

The 1991 Convention Listing will be available on or before August 15th, and will be sent with all orders received at that time, or you may request it by sending a self-addressed stamped envelope.

Cane-like

B. platanifolia (Bolivia; SO 89) is a Superba type, and *B. pseudolubbersii* (Brazil; MA 90) is a tall-growing species with white flowers that have pink edges.

Semperflorens

B. cucullata var. *arenosicola* (Argentina) is described as "distinguished by the narrowly elliptic leaves, rounded at the tip, narrow unequally cuneate at the base, and the larger

subentire roundly obtuse stipules" (Jack Golding, *Phytologia* Vol. 50, No. 5, p. 354).

B. cucullata var. *spatulata* (Brazil-West Indies; JA '90) is everblooming, with profuse white flowers.

B. U151 has been identified as *B. subvillosa* (it has also been listed as B. U008). It has pink flowers and felted leaves. *B. wallichiana* (Mexico; MJ90) is described as a *B. schmidtiana*-type with pink flowers.

Thick-stemmed

B. involucreata (Costa Rica; JF 91) requires high humidity, and has large hairy green leaves and is a profuse bloomer with fragrant white-pink flowers. *B. olbia* (Brazil; SO 90) is described as having medium-sized green hairy leaves and white flowers. *B. paranaensis* (Brazil; JA 90) is described as having large, bare, green leaves and white flowers.

Seed of *B. petasitifolia* (Brazil; SO 90) came in with no description.

We also offer tall growing *B. vitifolia* hort. and *B. vitifolia* var. *grandishort.*, which has large bare green leaves.

Trailing-scandent

B. glabra var. *coralipetiolis* hort. (SO 90) was first listed in the Seed Fund in August, 1946 as a Costa Rican species "found only in cloud

forest of upper tropical zone. Resembles typical *glabra* but more robust, leaves, capsule and flowers larger. The stems near the nodes beautiful carmine...Flowers palest green to white, leaves bright green. Stems pale to coral pink."

Seed which came in with no description was labeled *B. mazae* (Mexico; MJ 90), which has a profusion of fragrant pink flowers, and *B. mazae* variety; the latter may be *deminuta*. *B. mazae* var. *deminuta* was described by Rudolf Ziesenhenne (*Begonian*, November 1980, p. 309) as smaller, with "thinner, weaker stems, narrower leaves which tapered more gradually before terminating in a long point. These plants also had almost entirely black leaves with green areas only near the leaf margins but with black-marked nerve ends at the margin." *B. molleri* (Tropical West Africa; JA 90) has profuse, intermittent white flowers. Seed sent as *B. procumbens* (a synonym for *B. radicans*) is described only as having deep coral flowers. See *Begonian*, March April 1989, p. 65 for an article on *B. radicans*.

Tuberous-Semi-tuberous

B. froebelii (Ecuador) is low-growing with profuse scarlet flowers; seed is in very limited supply.

Shrub-like

B. alice-clarkiae (Mexico; SO 89) has distinctive foliage, white flowers, and is very tough to grow. *B. alnifolia* (Colombia; MJ 89) has medium-sized bare green leaves and white flowers.

B. echinosepala var. *elongatifolia* (Brazil; SO 89) is distinguished from *B. echinosepala* by its narrower leaves and the gradually lanceolate-acuminate apex.

B. edmundoi (Brazil; MA 90) has small bare green leaves and greenish-white flowers. *B. U133* and *B. U134* have both been identified as *B. holtonis*, a vigorous grower with small bare green leaves and white flowers. *B. listada* (Brazil; MJ 90) has dark green velvety leaves with a yellow-green midrib, red reverse, and white flowers. It is famous for its hybrids, and will require terrarium care in some areas. *B. lynchiana* (a synonym for *B. cyathophora*; Peru; SO 90) has medium-sized bare green leaves and scarlet flowers from winter through spring. Seed of *B. macrocarpa* (Cameroon; JF 91) is freshly collected and in very limited supply. This species requires terrarium care; it has small bare green leaves with red reverse, reddish stems and petioles, and white flowers.

B. meridensis (Venezuela; JF 90) is tall (to 6 ft.), woody, with dark green leathery leaves and pink flowers. *B. metallica* (Brazil; MJ 90) has small, glossy, closely-set green lobed

leaves and white flowers. *B. minor* (Jamaica; SO 90) has medium-sized bare leaves and profuse white flowers. *B. peruviana* (Peru; JF 90) should not be confused with *B. U049*. *B. peruviana* has narrow, hairy green leaves and pink hairs. *B. venosa* (Brazil; JA 90) is a very unusual species with felted leaves, conspicuous persistent stipules, and moderate, fragrant white flowers.

Rhizomatous

We offer several of the lovely *B. bowerae* varieties from Mexico:

B. bowerae (MJ 90) has small green leaves and pink-tinted white flowers. *B. bowerae* var. *major* (JF 91) grows larger, with medium green leaves and profuse pink-tinted white flowers. *B. bowerae* var. *nigramarga* (ND 89) has small green leaves with darker markings and profuse white or pale-pink flowers in winter.

B. fenicis (Philippines; JF 91) has large dark green, glossy, broad, heart-shaped leaves with serrated margins that have tiny points at the nerve ending, and pink flowers.

B. ficicola (Nigeria; MJ 90) is classified as distinctive foliage; terrarium care is required, and seed is in very limited supply. Leaves are medium-green with upright hairs, stems and petioles are pale green, and flowers yellow.

B. floccifera (India; ND 90) has medium green felted leaves and white flowers. *B. hispidavillosa* f.

nigramarga (Mexico; ND 90) is described as differing from *B. hispidavillosa* in that the main nerves are bordered with black. (R. Ziesenhenné, **Begonian**, May-June 1982, p. 63).

B. manicata (Mexico; JF 91) has waxy green leaves with erect-growing rhizomes and soft pink flowers. *B. masoniana* (China; JF 90) has large green leaves with a distinctive surface bearing a brown "iron cross"; flowers are white. *B. nepalensis* var. *nepalensis* (Nepal) has its rhizome joined at or below the soil with erect stems; flowers are yellowish-white. *B. palmata* (China; SO 90) has distinctive foliage, medium-sized leaves, light pink flowers. *B. paulensis* (Brazil; ND 90) has large green puckered leaves and creamy white flowers.

B. tenuipila var. *kennedyi* (Costa Rica) has been determined by Dr. Kathleen Burt-Utley (Tulane Studies in Zoology and Botany, Vol 25, No. 1, 1985, p. 102-105) to be *B. plebeja*. Collections from Costa Rica are described as "having ciliate and strongly dentate leaves, with the dentations becoming almost cuspidate."

B. popenoei (Central America; SO 90) has large green leaves and white flowers.

We have two popular varieties of *B. hatacoa*: *B. hatacoa* 'Silver', with silver-splashed leaves; and *B. hatacoa* 'Spotted', with spotted leaves.

B. schulziana (Haiti; SO 90) has small green lobed leaves and white flowers

tinted with peach. *B. sericoneura* has fairly large velvety green leaves with tiny white hairs and sunken red veins, a red spot at the base, undersides pale green with red veins, and reddish petioles.

B. urophylla (Panama) has large green hairy leaves. (It has also been known as *B. U118* and as *B. santae-martae*.)

B. xanthina (India; JF 91) is rare, endangered, very hard to grow, and requires terrarium care; it has large leaves and yellow flowers.

Unidentified species

B. U049 (Brazil; JF 90) has elongated dark green, velvety leaves 2" x 8" that are sometimes bronzed on the top surface and red-purple velvety texture underside; under ideal conditions it may grow to 3 ft. Flowers are white. It has been identified tentatively as *B. juliana*.

U100 (Panama; MJ 89) has pale green, hairy leaves, and pink and white flowers. *B. U106* (Panama; MJ 90) has medium-green, shallowly lobed cordate leaves with red hairs; it requires terrarium care.

B. U107 (Panama; MJ 89) is described (**Begonian**, May-June 1998, p. 102) as rhizomatous with medium-green shallowly lobed cordate glabrous (or nearly so) concave leaves and pale green somewhat pilose petioles. It requires terrarium care.

B. U119 (Panama; JA 90)) is similar to *B. urophylla* but has smaller leaves.

B. U150 (Panama; MJ 89)

has glossy mature leaves with black markings on the edges and pink flowers; it is regarded as being a form of *B. heracleifolia*.

B. U154 (Panama; JF 91) is rhizomatous. When collected in 1985, it was blooming but had no leaves. *B. U158* and *B. U159*, both from Panama, are rhizomatous with shallowly lobed green leaves 5" x 3".

There are several species for which I have no information: *B. fissistyla* (Bolivia), *B. merrittii* (Philippines), *B. parvifolia* (Brazil), *B. pubescens* (Borneo) *B. rostrata* var. *rostrata* (Tropical Africa), *B. sciaphila* (Gabon), *B. sessilifolia* (Gabon). If you order these, please send reports and photographs.

Detectives Needed!

Mysteries and Problems
Order these only if you're prepared to make a report and send photos of the plants you get!

Seed sent in as *B. pilifera* produced a plant with fairly large velvety green leaves with tiny white hairs and sunken red veins on top; undersides of the leaves are pale green with red veins. There is a red spot at the base, and reddish petioles. It is definitely a rhizomatous species. *Pilifera* is a synonym for *B. sericoneura*, but this plant is not *sericoneura*. Seed sent as "*B. suffructiana*" has a very interesting leaf shape with dark green leaves and a satin sheen to the surface. At the base margins are

folded and have a wine-colored spot; petioles are reddish brown.

B. carpinifolia (Central America; SO 89) came with no description. The Thompsons describe it as having small (under 4") bare leaves and white or pink flowers; the type specimen in *Begoniaceae* shows leaves to 13 cms. (about 5 1/8") with a long drip point, which would suggest a need for very high humidity.

Seed sent under the name *B. longipes* (a synonym for *B. reniformis*) produced a plant with rather round leaves covered with tiny white hairs; it has a spectacular shimmering appearance in light and is not *B. reniformis*.

Seed sent as *B. williamsii* was described as similar to *B. ludwigii* with lobed green silver-splashed leaves that taper to a point. *B. williamsii* is a synonym for *B. wollnyi*, which does have silver splashes on green leaves but does not resemble *B. ludwigii*.

In addition to our species seed, we offer mixed hybrid seed. There's no way to tell what will come up from this seed, but should you get a really vigorous, unusual begonia it will be your privilege to name and register the plant.



CLAYTON M. KELLY SEED FUND LISTING

The Seed Fund is a service to ABS members only. It is a privilege of your membership.

All packets of species seed are \$1 each, and all packets of hybrid seed are 50c each; a pamphlet on growing from seed is 25c.

All orders must be accompanied by check or money order payable ONLY in US funds to The Clayton M. Kelly Seed Fund.

Costs of Mailing:

U.S. only: 1-12 packets, 99c; 13-24, \$1.35; 25-36, \$1.71; 37-48 (2 cans), \$2.30; 49-60, \$2.66.

Canada only: 1-12 packets, \$1.10; 13-24, \$1.46; 25-36, \$1.82; 27-48 (2 cans), \$2.35; 49-60, \$2.71.

Mexico only: 1-12 packets, \$1.15; 13-24, \$1.51; 25-36, \$1.87; 37-48 (2 cans), \$2.50; 49-60, \$2.81.

All other international mail: 1-12 packets, \$1.85; 13-24, \$2.68; 25-36, \$3.68; 37-48, \$4.68; 49-60, \$5.68. Two sets of planter dishes, in US only: \$1.20

Two sets & 1-12 packets, \$1.80; and 13-24, \$2.40; 25-36, \$3.00; 37-48, \$3.60; 49-60, \$4.20.

These mailing costs include the costs of postage, mailers, and glase seed envelopes.

California residents please add 7 3/4% sales tax to all orders.

Please send your order with payment to:

Ms. Diana H. Gould
9940 Falcon Meadow Dr.
Elk Grove, CA 95624
U.S.A.

Species Seed \$1 per packet

B. alicia-clarkiae
B. alnifolia
B. bowerae
B. bowerae var. *major*
B. bowerae var. *nigramarga*
B. carpinifolia
B. cucullata var. *arenosicola*
B. cucullata var. *spatulata*
B. cyathophora (*lynchiana*)
B. echinosepala var. *elongatifolia*
B. edmundoi
B. fenicis
*B. ficicola****
B. fissistyla
B. floccifera
*B. froebelii****
B. glabra var. *coralipetiolis* hort.***
B. hatacoa 'Silver'
B. hatacoa 'Spotted'
B. hispidavillosa f. *nigramarga*
B. holtonis (B. U133, B. U134)
B. involucreta
B. juliana (B. U049)
B. listada
B. macrocarpa
B. manicata
B. masoniana
B. mazae
B. mazae variety
B. meridensis
B. metallica
B. minor
B. molleri
B. nepalensis var. *nepalensis*
B. olbia
B. palmata
B. paranaensis
B. paulensis

B. peruviana
B. petasitifolia
B. platanifolia
B. plebeja (B. *tenuipila* var. *kennedyi*)
B. popenoei
B. pseudolubbersii
B. radicans (*procumbens*)
B. schulziana
B. sericoneura
B. subvillosa (B. U008, B. U151)
B. urophylla (B. U118, B. *santae-martae*)
B. venosa
B. vitifolia hort.
B. vitifolia var. *grandis* hort.
B. wallichiana
B. xanthina
B. U100
B. U106
B. U107
B. U109
B. U119
B. U150/B. *heracleifolia*
B. U154
B. U158
B. U159

Hybrid Seed

50c per packet

mixed canes
mixed rexes
mixed rhizomatous
mixed semperflorens
mixed Frillies
mixed shrubs
mixed tuberhybrid
mixed Mickey Meyer selections

***extremely limited supply



AROUND ABS

Notes from our Newsletters

Cynics claim there are no heroes in modern days. They're wrong. Many people are givers, and ABS is lucky to have some of them among our members. Here are a few:

In March the East Bay Branch presented its Martin Boyd Memorial Trophy to very active member **Julia Huwe**. A long-time member, Julia has held every office in the branch - but this year she's really busy. She is currently serving as vice president and program chair and treasurer. She's obviously modest, too: she thanked the branch for selecting her!

In June **Wanda and Dick Macnair** of Buxton Branch in Massachusetts visited California, taking in the ABS Board meeting and as many begonia branch meetings as possible, bringing with them hundreds of begonia cuttings. This prompted Houston Knight, writing in the Whittier Twitter, to title them "our East Coast Begonia Ambassadors... They get into more societies, shows, TV appearances, etc., accidentally than most of us do on purpose. Their work for ABS is second to none." Like Julia Huwe, the Macnairs go the extra mile.

Alta Soule of Sacramento Branch has donated her collection of past **Begonians** to the branch. They go back to 1934 (when annual dues were \$1). Now all Sacramento members can enjoy browsing and doing research based on past articles.



The Astro Branch newsletter has a new feature. It's called "Can You Identify this Begonia?" Pictured in July was the begonia above (answer next issue).

A big event for any branch is the annual show. Miami Branch' MIABegonia offers the following last minute tips for getting your plants into show shape:

"It's the day before entries and it's time to give your begonia a last minute look over before taking it to the show. If you have been grooming through its growing period you won't have a lot to do. Check for any old, heavily damaged, yellowed leaves, and old flower stems. They appear out of nowhere even when you check your begonias regularly. Check your container to make sure it is clean and presentable.

"Often begonia leaves will get brown tips or have slight damage. Now is the time to trim those areas with scissors. Be sure to maintain the leaf shape - don't be a Van Gogh and create a whole new begonia leaf. When the trimming is done well, the judges often don't even see it. But even if they do, they take into consideration that the grower has taken the time to groom his plant.

"Wash the leaves with a fine hose spray to make sure foliage is clean. Take debris out of the soil and add fresh soil on the top if needed. Preparing your plant can often be the difference between a first and second place ribbon."

Editor Charles Jaros apparently took his own advice (see Show News for reports of his results).

An admonition to clean pots is all very well. But we all know how stubborn salts stains can be. Editor Esther Nagelberg of Palm Beaches Branch advised her readers of a method of cleaning clay pots described in an old issue of the **Begonian**:

"Put your dirty pots in a tubful of soapy water overnight. Then hose off all the incrustations. Meanwhile, empty the tub and fill it with hot water and bleach. Let the hosed-off pots sit in this for a couple of hours and then take them out and let them dry. They should look very much better and the bleach will also have provided sterilization."

The newsletter of Dallas Area Branch quoted Martha Curry's clay pot cleaning method: Martha keeps a bucket of bleach water under a bench in the greenhouse, and drops pots in as she works. When she needs a pot, she reaches in and gets the size she wants. The bucket is covered, so that the chlorine doesn't evaporate.

B-Line, newsletter of the Alfred D. Robinson Branch, reports that Mr. Clean, high in phosphorus, removes the salt deposits from pots (1 Tablespoon to one gallon of water).

It's not just clay pots that need cleaning, however. Begonias Begorra (Orange

County Branch) recommends a 10% vinegar solution to take stains off plastic pots, and cordovan or brown shoe polish to cover stains on redwood pots.

If the pot just won't clean up, or is chipped and unsightly, Charles Jaros advises taking a clean container the same size and very gently transferring your begonia to the clean pot without disturbing the root ball. Add fresh soil to the top if necessary.

At the other end of the country the San Francisco Branch concentrated on another aspect of showing plants: they did a program on packing plants to be transported. Members were asked to bring a plant to "practice pack." A well-groomed plant in the cleanest of pots can be destroyed by a fall on the way to the show.

From the B-Line comes the suggestion that epsom salts provides magnesium to plants needing to green up leaves.

In the Mae Blanton Branch newsletter, Mae herself is quoted as stating that she keeps a can of snuff. No, no, she doesn't dip! She adds a tiny bit to her terrariums if pests appear. It knocks them dead. Phyllis Bates of Palomar Branch uses a small piece cut from a pet flea collar - but warns to open the terrarium carefully, to avoid breathing the fumes.

The Begonia Leaf, Sacramento Branch newsletter, made a suggestion that Membership Chair John Ingles wishes we would all take to heart:

"Bob Kalal reminds us that the top right corner of our address label on the national publication has a date on it. That is the renewal date for our memberships. Please anticipate rejoining. If we are late and our names have to be re-entered on the national rolls, it costs extra money that the national would not have to spend if we would renew in a timely manner. Please help."

Why not look at your label right now?
Thanks!



DIRECTORY OF BEGONIA SOCIETIES



INTERNATIONAL SOCIETIES

Australia

Association of Australian Begonia Societies

Kevin Handreck, Pres.
2 Birdwood St.
Netherby 5062

Associated Societies:

Begonia Society of Western Australia

Lyla Kilpatrick, Pres.
Lot 44 Canns Rd.
Bedfordale WA 6112

New South Wales Begonia Society

Jean Whitten, Pres.
15 Carlo Close
Kincumber 2250 NSW

South Australian Begonia Society

Ted Williams, Pres.
P.O. Box 116
Stirling 5152

Victorian Begonia Society

Philip Wright, Pres.
74 Railway Place
Macedon 3440

unaffiliated:

Queensland Begonia Society

Elsie Paton, Pres.
35 Daisy Road
Manly West 4179
Queensland, Australia

Belgium

Societe Belge du Begonia

Piron Gilles, Pres.
Chemin de Lancre, 4
B-4970 Coe, Belgium

England & Wales

National Begonia Society

Dr. Eric Caterall
3 Gladstone Rd., Dorrige
Solihull, W. Midlands B93 8BX
UK

France

Assoc. Francoise de Amateurs de Begonias

Mme. Annie Danancher
editor, le petit bégio-fil
11 Rue Myrha
Paris 75018

Japan

Japan Begonia Society

Mr. Tatsuo Suzuki, Pres.
2-1-11 Yakumo 2-Chome
Maguro-Ku
Tokyo 152

Scotland

Scottish Begonia Society

c/- 260 Bellfield Rd.
Coalburn, Lanarkshire
Scotland M11100NQ, UK

International Members:
Please send in updates
and corrections. Thanks!

AMERICAN BEGONIA SOCIETY

REGIONAL GROUPS

Eastern Region

Maxine Zinman, Director
Rt. 1, Box 73
Boyce, VA 22620

Southwest Region

Gene Salisbury, Director
P.O. Box 504
Tonkawa, OK 74653

Northwest Region

Bob Hamm, Director
10065 River Mist Way
Rancho Cordova, CA
95670

BRANCHES

CALIFORNIA

Alfred D. Robinson

2nd Tuesday, 10:30 a.m.
Homes of members
Edalee Harwell, Pres.
1055 Benecia St.
San Diego, CA 92117

East Bay

3rd Thursday, 7:45 p.m.
Northbrae Com. Church,
Berkeley
Rich Bishop, Pres.
1404 Cypress
Berkeley, CA 94703

Garden Grove

1st Wed., 7:30 p.m.
12860 Euclid St.
Garden Grove
Ed Vogel, Pres.
9811 Oma Place
Garden Grove, CA 92641

Long Beach Parent Chapter

3rd Thursday, 1:00 p.m.
Huntingdon Nat'l. Bank
9025 Artesia Blvd.
Bellflower
Gil Estrada Pres.
7914 Springer St.
Downey, CA 90242

Monterey Bay Area

4th Wednesday, 8 p.m.
 New Monterey Neighborhood Cntr,
 Lighthouse & Dickman
 Sts., New Monterey
 (no meeting June, Aug.)
 Raymond Peterson,
 Pres.
 192 Walker Valley Rd.
 Castroville, CA 95012

Orange County

2nd Thursday, 7:30 p.m.
 Fullerton S & L
 2310 E. Lincoln Ave.
 Anaheim
 Anne Jones, Pres.
 11357 Darcy St.
 Santa Fe Springs, CA
 90670

Palomar

2nd Sunday, 2 p.m.
 Quail Botanical Gardens
 230 Quail Gardens Dr.
 Encinitas
 Eleanor Calkins, Pres.
 910 Fern St.
 Escondido, CA 92027

Palos Verdes

1st Mon., 7:30 p.m.
 S. Coast Botanic Garden
 Brad Thompson, Pres.
 715 W. 220th #45
 Torrance, CA 90502

Rubidoux

4th Thursday, 7:30 p.m.
 W. Riverside
 Mem. Auditorium
 4393 Riverview Dr.
 Norma Pfrunder, Pres.
 3484 Jefferson St.
 Riverside, CA 92504

Sacramento

3rd Tuesday, 7:45 p.m.
 Garden Center
 3330 McKinley Blvd.
 Sacramento
 Bob Hamm, Pres.
 10065 River Mist Way
 Rancho Cordova, CA
 95670

San Francisco

1st Wednesday, 8 p.m.
 Garden Center
 Golden Gate Park,
 9th Ave. & Lincoln Way
 Susan Muller, Pres.
 124 St. Charles Ave.
 San Francisco, CA 94132

San Gabriel Valley

2nd Tuesday, 7:45 p.m.
 Los Angeles State &
 County Arboretum
 301 N. Baldwin Ave.
 Arcadia
 Kenneth Dahlquist, Pres.
 696 E. McKinley Ave.
 Pomona, CA 91767

San Miguel

4th Saturday
 Members' Homes
 Thelma O'Reilly, Pres.
 10942 Sunray Place
 La Mesa, CA 91941

Santa Barbara

4th Sunday, 2:30 p.m.
 The Cottage
 1130 N. Milpas St.
 Santa Barbara
 Rudolph Ziesenhennel,
 Pres.
 (address same as above)

Santa Clara Valley

3rd Thursday, 7:45 p.m.
 Rm 2, Kirk Com. Cntr.
 1601 Foxworthy Ave.
 San Jose
 Jackie Davis, Pres.
 170 Wingfoot Way
 Aptos, CA 95003

Theodosia Burr Shepherd

1st Monday, 7:30 p.m.
 American Commercial
 Bank
 6401 Telephone Rd.
 Ventura
 Pam Hantgin, Pres.
 94 N. Santa Rosa St.
 Ventura, CA 93001

Westchester

1st Thursday, 7:30 p.m.
 Univ. Christian Church
 5831 Centinella Ave.
 Jo Pangrazio, Pres.
 422 Sherman Canal Court
 Venice, CA 90291

Whittier

1st Friday, 7 p.m.
 Room 1, Civic Center
 7630 Washington Ave.
 Whittier
 Bill Scarborough, Pres.
 4960 N. Bleeker St.
 Baldwin Park, CA 91706

CONNECTICUT**Connecticut**

4th Monday
 homes of members

DISTRICT OF COLUMBIA AREA**Potomac**

4th Sunday, 2 p.m.
 Green Spring Farm Park
 4601 Green Spring Rd.
 Alexandria, VA
 Barbara Nunes, Pres.
 6025 Greeley Blvd.
 Springfield, VA 22152

FLORIDA**Fort Lauderdale Area**

1st Tuesday, 7:30 p.m.
 3245 College Ave.
 Davie, FL
 Nan Scoble-Burbles,
 Pres.
 209 SE 21st St.
 Fort Lauderdale, FL
 33316

Jacksonville

3rd Monday, 7:30 p.m.
 Garden Club
 1005 Riverside Ave.
 Jacksonville
 Ed Harrell, Pres.
 1628 Broward Rd.
 Jacksonville, FL 32218

Miami

4th Tuesday, 8 p.m.
 Simpson Garden Center
 55 SW 17th Rd.
 Miami
 Edythe Ropeik, Pres.
 6110 SW 93rd Ave.
 Miami, FL 33173

Palm Beaches

2nd Monday
 Horticultural Center
 531 N. Military Trail
 West Palm Beach
 Charles Jaros, Pres.
 2621 NW 23rd Ct.
 Miami, FL 33142

Pinellas County

3rd Tuesday, 7:30 p.m.
Fellowship Hall, Church of
Christ
6045 Park Blvd.
Pinellas Park
William O'Geary, Pres.
10968 105th Ave. North
Largo, FL 34648

Tampa Bay Area

3rd Wed., 7 p.m.
Members' Homes
Contact: Dora Lee Dorsey
8110 N. Edison Ave.
Tampa, FL 33604

GEORGIA**Greater Atlanta**

2nd Sunday, 3 p.m.
odd-numbered months
Atlanta Botanical Garden
Russ Richardson, Pres.
1854 Chancery Lane
Chamblee, GA 30341

ILLINOIS**Greater Chicago**

4th Sunday, 1:30 p.m.
Oak Park Conservatory
Earth Shelter
621 Garfield St.
Chicago
Daniel Paulson, Pres.
6339 S. Kenneth Ave.
Chicago, IL 60629

MASSACHUSETTS**Bessie Buxton**

Call for meeting info.
Frank Green, Pres.
102 Richardson Rd.
Ashby, MA 01431

MINNESOTA**Minnesota**

2nd Wed., 7:30 p.m.
Homes of members

NEW JERSEY**Elsa Fort**

Helen Green, Pres.
2100 Hunter St.
Cinnaminson, NJ 08077

NEW YORK**Knickerbocker**

2nd Tuesday, 7:30 p.m.
Hort. Society of NY
128 W. 58th St.
New York
Sue Hessel, Pres.
14 Sutton Place South
New York, NY 10022

Brooklyn-Queens-Nassau

3rd Sunday
Clark Gardens
Albertson, NY
Phil Seiden, Pres.
733 East 93rd St.
Brooklyn, NY 11236

OHIO**Greater Cincinnati**

Douglas Hahn, Pres.
7736 Stonehill Dr.
Cincinnati, OH 45230

OKLAHOMA**Fred A. Barkley**

3rd Sunday, 2:30 p.m.
Will Rogers Garden Cntr.
3400 NW 36th St.
Oklahoma City
Merril Calvert, Pres.
11201 Drapar
Choctaw, OK 73020

PENNSYLVANIA**Edna Stewart Pittsburgh**

3rd Wednesday, 7:30 p.m.
Pittsburgh Garden Center
Melissa Jones, Nat'l Dir.
5220 Beeler St.
Pittsburgh, PA 15217

William Penn

4th Tuesday, noon
Homes of members
Mrs. Jacques Le Roux,
Pres.
Dove Lake House
Gladwyne, PA 19035

RHODE ISLAND**Roger Williams**

3rd Monday night
Homes of members

TEXAS**Alamo**

3rd Saturday
Homes of members
John Howell, Pres.
129 Trillium
San Antonio, TX 78213

Astro

Tom Keepin, Pres.
4513 Randwick Dr.
Houston, TX 77092

Dallas Area

3rd Thursday, 7:30 p.m.
Northaven Gardens
7700 Northaven Rd.
Dallas
Maurice Amey, Pres.
1015 Mt. Auburn
Dallas, TX 75223

Mae Blanton

4th Wed., 10:30 a.m.
Homes of members
Martha Curry, Pres.
P.O. Box 1232
Weatherford, TX 76026

THANK YOU!

to all Branch Officers who
sent updated information for
this Directory.
Please check your Branch
listing and let us know of
updates and corrections.

Information on the following
branches will be especially
appreciated: Connecticut,
Minnesota, Roger Williams.

BEGONIAN MINI-ADS

Mini-ads are a service to our members. The charge is \$1 per line per insertion with a minimum of \$4. Payment must accompany order. Make checks payable to ABS and mail to:

Martha Curry
P.O. Box 1232
Weatherford, TX 76086

BEGONIA CUTTINGS AND PLANTS.

Send \$1 for expanded 1991 list. Kay's Greenhouses, 207 W. Southcross, San Antonio, TX 78221.

BEGONIAS: THE COMPLETE REFERENCE GUIDE

by Mildred L. and Edward J. Thompson. 884 pages, 850 illustrations (165 in color). Culture, classification, and history. \$20.00 to ABS members. To order autographed copies write: THE THOMPSONS, P.O. Drawer PP, Southampton, NY 11968. **BEGONIAS: 1984 UPDATE** \$6.75. Prices include shipping. Foreign orders \$5 additional for shipping via Surface Mail.

SOUTHWEST REGION, ABS: Annual Get-Together, show, sale; newsletter. Membership \$7, family \$10. Send to Marie Harrell, Rt. 3, Box 689, Elgin, TX 78621.

"VICKI'S EXOTIC PLANTS" Beautiful Begonias, Episcias, and Hoyas. Large variety of each. Please send \$1 for list to 522 Vista Park Dr., Eagle Point, OR 97524.

BEGONIAS. Unrooted cuttings. Many new additions to collection. Several LOWE hybrids. SASE legal size for list. Paul Lowe, 5741 Dewberry Way, West Palm Beach, FL 33415.

BEGONIAS (plants & cuttings), plus a wide range of succulents, peperomias, hardy perennial & more. 1991 list, including updates & newsletters, \$4. Wholesale collections for clubs, retailers available. **UNUSUAL PLANTS**, 10065 River Mist Way, Rancho Cordova CA 95670-3186.

BEGONIAS, Tropicals, & Exotic Plants. Many varieties in 3" pots or larger. Catalog \$1 (refundable).....or The Tropical Gazette - quarterly full of info, discounts, & specials. 1 yr. subscription \$4. Send to: Sunshine State Tropicals, P.O. Box 1033, Port Richey FL 34673.

VIDEO: "GROWING BEGONIAS - THE EASY WAY". Veteran Begonia grower shows how in this 30 minute VHS video. \$13.95 plus \$2 S&H to Garvid Productions, P.O. Box 66038, Portland, OR 97266.

ROTARIANS - For information on the new International Fellowship of Gardening, write to: **RIFG**, PO Box 704, Glenview IL 60025.

Rare, Distinctive Begonias. *Sym.* U012, *bogneri*, U089, ex Kew, etc. Send SASE for list, USA only. **Bill Voss**, 3805 Louise Ave., Chantilly, VA 22021.

WANTED: *crassirostris*, *gigantea*, *isoptera*, *multangula*, *robusta*, *tenuifolia*. Contact Mose Fadeem, 319 1/2 English, Monterey CA 93940; (408)373-5331.

Begonias, episcias, & hoyas, cuttings only. Send \$1 for list to B & K Tropicals, P.O. Box 28182, Kenneth City FL 33709.

Join the *NATIONAL* *FUCHSIA SOCIETY*

MEMBERSHIP \$15 per year
includes bi-monthly FUCHSIA FAN
The new A to Z on Fuchsias abridged version
\$6.95 plus \$1 shipping (CA residents add 42c tax)
Mail to: National Fuchsia Society, 11507 E. 187 St.
Artesia, CA 90701

MINUTES OF THE BOARD OF DIRECTORS' MEETING

June 22, 1991

The Board of Directors' Meeting was held on June 22, 1991 at the home of Rudy Ziesenhenné, 1130 N. Milpas, Santa Barbara, California. There were 24 members present.

President Jeannette Gilbertson called the meeting to order at 3:15 p.m. Dr. Richard Macnair read the Aims and Purposes of the Society. Treasurer Eleanor Calkins reported \$6,370.49 in checking accounts, \$43,057.88 in savings, for a total of \$49,428.37 as of May 31, 1991. Minutes were read and accepted with one correction.

Committee Reports

Audit Committee - Ralph Corwin and Ed Bates were appointed to the Committee.

Ballot Counting - Ballots will be sent by Jeannette Gilbertson.

Back Issues - Houston Knight was thanked for taking the back issues to Sacramento. As a matter of policy, back issues should not be sold to non-members.

Branch Relations - Doug Hahn needs input from branch newsletters. Please send newsletters to the following ABS officers: Jeannette Gilbertson, President; Norma Pfrunder, Historian; Doug Hahn, Branch Relations; Tamsin Boardman, Editor.

Conservation - Bruce C. Boardman was appointed Conservation Administrator. Scott Hoover will remain Director.

Dr. Macnair spoke on efforts to preserve the Barkley Collection. Discussion was tabled until the September meeting.

Scott Hoover requested \$5,000 for his upcoming trip to Indonesia. The Board voted to donate \$1,000. Branches and individuals are urged to donate generously.

Members who received cuttings or seeds from the Malaysia trip are asked to send a report to Martin Johnson.

Correspondence - Anita Ruthenberg requested donations to send Kelton Parker from the Fort Worth Botanic Garden to the ABS Convention. The Board urged branches to donate, and will

send branches a letter with further information. Dr. Tracy McLellan wrote that seeds from her trip have been distributed.

Long Range Planning - The 1993 Convention will be hosted by the Miami Branch.

Members at Large - Kit Mounger resigned as Members at Large Director.

Membership - As of May 31, 1991: 89 Life Members; 136 Institutions; 1,321 dues paying members.

Nomenclature - Two new cultivar registrations have been processed.

Public Relations - Russ Richardson sent a sample of the "14 Reasons" to review. Between January and April ABS gained 48 new members from ads in Horticulture.

Research - Houston Knight reported some projects are concluding, including one on winter survival of begonias.

Publications - Now available through the Book store is an Index to the **Begonian**, 1940-1989 by Pat Williams of Australia. The New Member Handbook has been sent to the Membership Chair.

Slide Library - Dr. Tracy McLellan sent a program on her Africa trip. Miami Branch donated a slide program "How Not to Grow Begonias." Kit Mounger sent U# slides.

Old Business

No action will be taken on insurance until a concrete proposal is made.

The Board wishes John Ingles to know that his work all these years is appreciated.

All Chairmen must send yearly reports to the President before the Convention.

President Gilbertson thanked the Santa Barbara Branch for their hospitality.

Meeting adjourned at 4:45 p.m.

Respectfully submitted,

Ingeborg Foo,

Secretary

The annual General Membership Meeting will be held on Saturday, September 14, 1991 at the National Convention at the Old Colony Inn, Alexandria, Virginia.

Note: Minutes are condensed because of space limitations; any member may order a copy of the complete Minutes from the Secretary.



THE AMERICAN IVY SOCIETY

is the International Registration Authority for *Hedera*; provides sources for new & unusual ivies; publishes *Ivy Journal* three times a year with reports on research, hardiness testing, life-sized photos of ivies. Memberships: General \$15; Institutional \$25; Commercial \$50. Information: The American Ivy Society, P.O. Box 520, West Carrollton, OH 45449-0520.

ELECTED OFFICERS

President Jeannette Gilbertson
410 JoAnn Circle, Vista, CA 92084

Past President Arlene Davis Ingles
157 Monument, Rio Dell, CA 95562-1617

First Vice-President Tracy McLellan
575 Pintura Dr., Santa Barbara, CA 93111

Second Vice-President John Howell
129 Trillium, San Antonio, TX 78213

Third Vice-President Millie Thompson
P.O. Drawer PP, Southampton, NY 11968

Secretary Ingeborg Foo
1050 Melrose Way, Vista, CA 92083

Treasurer Eleanor Calkins
910 Fern St., Escondido, CA 92027

APPOINTED CHAIRMEN & DIRECTORS

Awards Committee Rudolf Ziesenhenn
1130 N. Milpas St., Santa Barbara, CA 93103

Audit Committee Marion Paris
4793 Soria Drive, San Diego, CA 92115

Ballot Counting Ronnie Nevins
1913 Aspen Circle, Fullerton, CA 92635

Begonian, Back Issues Betty Tillotson
3912 Wildrose Way, Sacramento, CA 95826

Book Store Anita Ruthenberg
1016 W. Arlington Ave., Fort Worth, TX 76110

Branch Relations Douglas Hahn
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