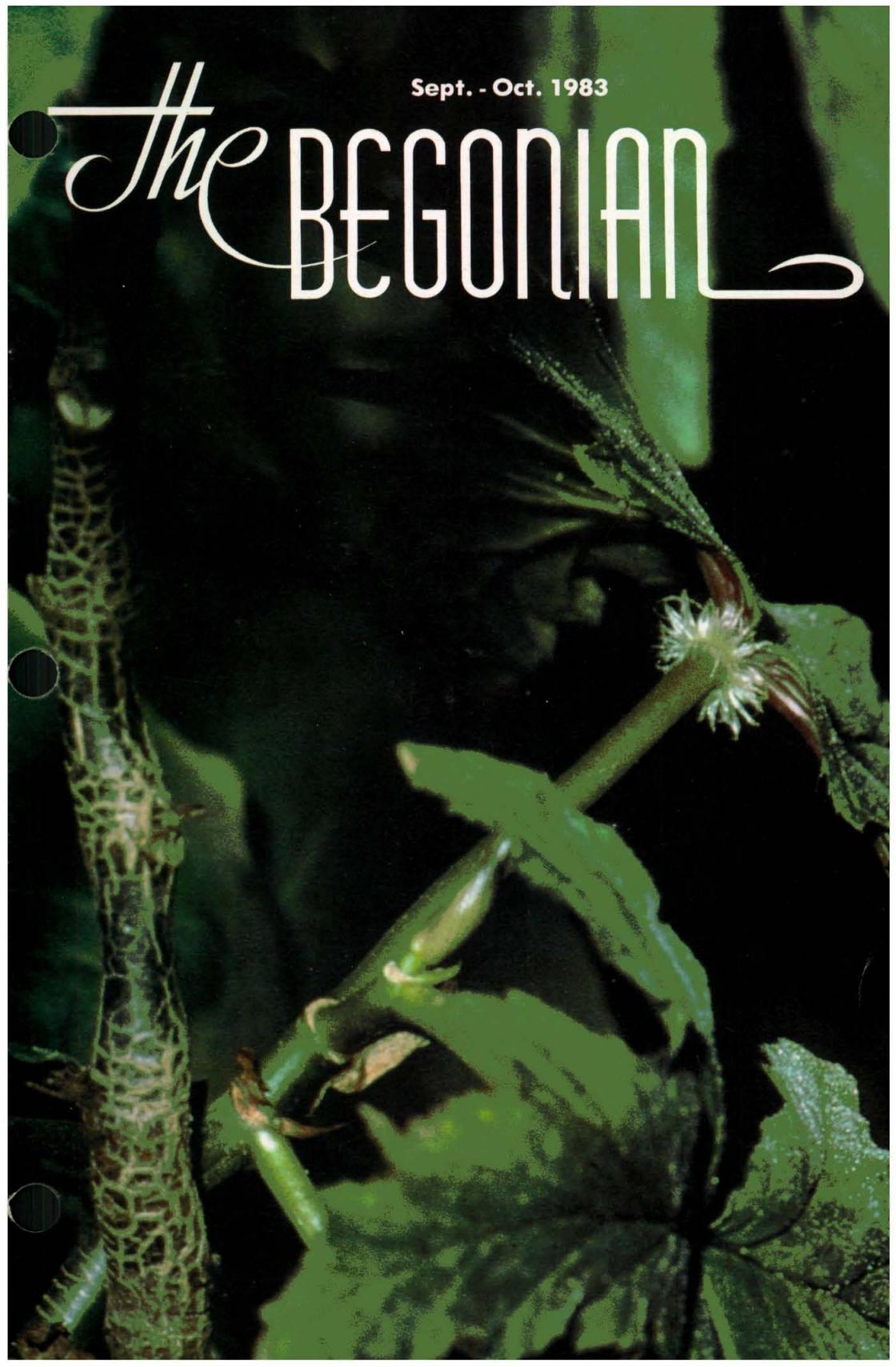


Sept. - Oct. 1983

The BEGONIAN



The BEGONIAN

Publication of the American Begonia Society

THE BEGONIAN is published bimonthly by the American Begonia Society. Views expressed are not necessarily those of the society, its officers, or the editor. Contents, except where labeled otherwise, may be reprinted without limitation, provided credit is given to "The Begonian, magazine of the American Begonia Society." Third-class postage paid at South San Francisco, Calif. ISSN 0096-8684.

Deadline for notices, advertising copy and manuscripts is six weeks before the first of the month of issue.

EDITOR — Phyllis Bates — 554 Arden Dr., Encinitas, CA 92024 (619) 436-1419

CORPORATE MEMBERSHIP SECRETARY — Arlene Davis — 13390 Barker Lane, Corona, CA 91720 (714) 734-2697

MEMBERSHIP SECRETARY — Subscription, dues, circulation inquiries and address changes: Elisabeth Sayers, 369 Ridge Vista Ave., San Jose, CA 95127 (408) 258-4670

Subscription (membership) \$10 annually. \$14 foreign (includes Mexico and Canada). \$15 first-class mail (includes Mexico and Canada). \$30 overseas air mail. \$20 sustaining membership. \$25 sustaining membership, first-class mail. \$100 life membership. \$500 benefactor membership. Spouse membership \$2 U.S. currency only. Back issues (current volume) \$2.

AMERICAN BEGONIA SOCIETY

Founded January 1932 by Herbert P. Dyckman

ABS 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.

Elected Officers

President R. J. Ammerman
1770 Foothill Dr., Vista, CA 92083
Phone (619) 941-0280

Past President Chuck Anderson
826 Santa Rita Ave., Los Altos, CA 94022

First Vice President Dan Haseltine
6950 W. Nelson St., Chicago, IL 60634

Second Vice President Joy Porter
9 Bayberry Lane, Framingham, MA 01701

Third Vice President Bob Cole
18007 Topham St., Reseda, CA 91336

Secretary George Ghiotto
702 Sunrise Blvd., Long Beach, CA 90806

Treasurer Bill Scarbrough
12042 E. Lambert Ave., El Monte, CA 91732

Appointed officers

Awards Committee Chairman Mabel Corwin
1119 Loma Vista Way, Vista, CA 92083

Audit Committee Chairman Eleanor Calkins
910 Fern St., Escondido, CA 92027

Ballot Counting Chairman Lorra Almstedt
1965 Celest Lane, Fullerton, CA 92633

Begonia Back Issue Sales
Bookstore Manager Bobbie West
6073 De La Vista, Rubidoux, CA 92509

Business Manager John Ingles, Jr.
8922 Conway Dr., Riverside, CA 92503

Clayton M. Kelley Seed Fund Director Joy Porter
9 Bayberry Lane, Framingham, MA 01701

Conservation Committee
Co-chairman Scott Hoover
718 Henderson Rd., Williamstown, MA 91267

Co-chairman Patrick Worley
1408 Sunset Dr., Vista, CA 92083

Director, Consulting Begonians Charles Jaros
2621 NW 23rd Ct., Miami, FL 33142

Corresponding Secretary Charles Richardson
696 Barsby St., Vista, CA 92083

Chairman, Task Force on Darlene Fuentes
International Begonia Congress

2313 Hollister Terr., Glendale, CA 91206

Codirector, Judging Dept. Margaret Lee
1852 31st St., San Diego, CA 92102

Codirector, Judging Dept. Pat Maley
7384 Whiteoak Dr., Placerville, CA 95667

Historian Norma Pfrunder
3484 Jefferson St., Riverside, CA 92504

Librarian George Ghiotto
702 Sunrise Blvd., Long Beach, CA 90806

Members-at-Large Director Thelma O'Reilly
10942 Sunray Pl., La Mesa, CA 92041

Nomenclature Director Carrie Karegeannes
3916 Lake Blvd., Annandale, VA 22003

Nominating Committee Chairman Pearl Benel
10331 S. Colima Rd., Whittier, CA 90640

Parliamentarian Margaret Lee
1852 31st St., San Diego, CA 92102

Research Director Anthony P. Croce
24 Saxton Terrace, Newton, MA 02161

Round Robin Director Joan Campbell
814 NE Honeyhouse Rd., Corvallis, MN 59828

Show & Convention Adviser Arlene Davis
13390 Barker Lane, Corona, CA 91720

Show & Convention Chairman Dorothy Patrick
1023 Elmdale St., Dallas, TX 75224

(continued on back cover)

The Cover: A peek into the future to see the Begonia which will receive a new name in the next issue. Photo by Jack Golding, Kearny, New Jersey.

Convention Events	116
Show Winners	120
ABS Award Recipients	123
Past President's Address	124
A Pat on the Back	125
Two Special ABS People—the Frosts	126
Behind the Hybridizing Scene with Pat Maley	128
Seed Fund 131	The Board 136
Round Robin 132	Branch Directory 137

From the editor

We have reached the end and the beginning. As old friends have left places within the society new ones are assuming responsibilities. We bid farewell and thank you who are going to be otherwise occupied. You have done your job and you deserve your rest. The Society is better because you participated, and you will be welcome again to lend a hand along the way. We hope you will do this.

If you are taking on a new project for ABS, and particularly for *The Begonian*, I welcome you even as I join the ranks. If each of you has been treated as heartily by your predecessors as I have been, ABS will have no worries. My thanks to Karen Bartholomew and Chuck Anderson who have been very generous with their efforts and advice in getting this issue together and starting me on my way.

Despite this good beginning, this issue says September but the calendar says October. Production halted three weeks ago while I tried to straighten out a plan for delivery and postal permits. Having done all I can for the moment, we resume work and hope that we will have smooth sailing from here on.

I am very humble about taking over the editorship at this point. To follow someone whose creativity is evident is part of that feeling. So is the need to live up to an award and the expectations that it implies.

But I also recognize that I do not really "do *The Begonian*"—you do. It will be successful

if you do your part. I have heard rumors about things that are going on with begonias. Please share these wonderful insights and ideas with *Begonian* readers.

The publication committee will be meeting in December. There should be just enough time to send a note to me to let me know what you will settle for. The dues increase has been voted down. The current dues will not allow expansion. Don't say, "Change printers." Our printer has to eat, too. We have already shopped for prices for services. What else can you suggest?

I suspect that some of you will disapprove of the lists of names in this issue. I am reluctant to deny these fine growers the reward for their patient hours alone in their greenhouses and gardens, and to deny the hard workers this one bit of recognition. How do you feel about this? (Opinions sought from those on such lists.)

Others would part with "technical" articles. How can I deny the information to those in the society who need it for their work that ultimately benefits all the rest of us?

Finally, I should state that there were several fine programs at the convention that have not even been mentioned in this issue. I hope to have articles in future issues to cover this information for you.

Please use the post office box for items directly relating to the *Begonian*:

Phyllis P. Bates
Box 1129
Encinitas, CA 92024-0990

BEGONIA FANTASY/ *Convention Events*

Karen Bartholomew

Many who attended the first ABS convention ever held in inland Southern California expected Riverside in August to post dry, 100-degree weather because of its proximity to the Mojave Desert.

Surprisingly, the peculiar weather patterns affecting many parts of the world brought storm clouds, rain, and cool temperatures as the ABS 1983 "Begonia Fantasy" convention and show got under way in Riverside Aug. 18. The weather was bearable, if not downright cold at times, the Rubidoux Branch hosts full of happiness and good cheer, the participants mellow and friendly, and the show plants spectacular.

While teams of judges went about the difficult task of selecting show winners Thursday, 20 hearty souls protecting themselves with provided umbrellas were led on a private tour of The Huntington's famous botanic gardens in San Marino. Although not all 207 acres were covered, ABS members did see many impressive plants in such areas as the Shakespeare garden, rose garden, Japanese and Zen gardens, Australian garden, herb garden, and jungle garden.

After lunch, members on their own wandered through the Art Gallery, where they saw Gainsborough's famous painting "Blue Boy," and the Library, where a Gutenberg Bible and other literary treasures are on display.

Thursday evening, members crowded into a small room to hear botanical explorer Scott Hoover's presentation about the need to preserve rapidly disappearing tropical rain forests (account to follow later).

Seminars

Seminars Friday began with Santa Clara Valley Branch member Art Sackenruther discussing bromeliads. Art, a retired florist

Karen Bartholomew, 826 Santa Rita Ave., Los Altos, CA 94022, retires from the Begonian to edit the faculty-staff newsletter at Stanford University.



Undaunted by unexpected rain, ABS members viewed the Japanese Garden at the Huntington.

now living in Redwood City, Calif., said bromeliads are easy to grow.

The most important element in assuring good plants is providing good light, he explained. Bromeliads don't require high humidity, but "love it" if it's available. The approximately 50 groups in the bromeliad family "take lots of abuse" and require little feeding, he said. The plants shouldn't be allowed to dry out completely, however.

Pups, or young bromeliads, should be cut away from the parent plant when they reach one-half to two-thirds the size of the main plant. Pups can be removed and started as separate plants even if roots have not yet developed. Art suggested letting the pups dry out for several days, then potting them up in small pots with light mix.

Rose fanciers, and there were many, gathered next to hear Jack Christiansen, vice president for research at Armstrong

Nurseries, talk about the development of new rose varieties, general culture, and commercial growing methods. Armstrong grows 10 million roses annually, he said.

Illustrating his talk with colorful slides, Jack traced the history of modern roses. Hybrid teas are the most popular roses in the U.S., he said. First introduced in 1869, they represented a dramatic improvement over hybrid perpetuals, which bloom once in spring and again, less spectacularly, in fall. Hybrid teas were the first roses to bloom in a regular six-week cycle. Most old-fashioned roses bloom once a year. Hybrid teas are valued for their large flowers and long stems, Jack said.

The most popular roses in Europe are the floribundas, developed in the 1930s. Floribundas are low-growing, with masses of flowers on short stems, and therefore make the best garden plants, he said.

Another type of rose, grandiflora, was developed in the 1950s. Similar to hybrid teas in having one flower per stem, grandifloras are larger plants, often reaching 8 to 10 feet.

Climbing roses are divided into two types: large flowering plants bred to climb and those plants that appear spontaneously as sports from originally non-climbing varieties.

Polyanthas and miniatures round out rose groups, he said.

Jack also discussed the development of different colors in roses. The first yellow hybrid teas came on the scene in 1899. Orange-red appeared in the 1930s with 'Ole' and lavender in 1945 with 'Sterling Silver'. A very true, deep orange was introduced in the 1970s as 'Ginger Snap'. For the future, Jack predicts roses with stripes of different colors and bi-colors similar to that seen in *Begonia Tuberhybrida picotees*.

Staghorn fern aficionados saw Sandy Sandoval, Orange County Branch, demonstrate how to mount a stag on a redwood frame he has devised. The frame measures approximately 12 inches by 18 inches and should be 2 to 3 inches deep. Sandy's collection of staghorn ferns numbers about 90

specimens of nine species.

Sandy uses equal parts of bark and oak leaf mold as the planting mix, covered with a layer of sphagnum moss to hold it in the redwood frame. A layer of heavy fencing screen is then put over the moss and a small section cut out for the stag to fit in. Sandy suggested mounting plants about one-third the distance from the bottom of the frame because new growth will come from the top of the stag. A small amount of Hoof 'n Horn is added when planting a new stag; otherwise, he fertilizes only once every month or two with fish emulsion.

"Stags are the easiest thing to grow," Sandy assured his audience, but he did admit they sometimes suffer from scale infestations. He's successfully fought them off using wettable powder malathion. The oil base in liquid malathion is bad for ferns, he said.

Mabel Corwin drew a packed house for her show-and-tell about new and unusual species begonias. Grown by Mabel from seed, they were offered for sale following her talk, with proceeds to launch the new ABS Conservation Fund. Mabel received most of the seed from Scott Hoover, Martin Johnson, and Dr. Jan Doorenbos.

B. incisa, with its deeply cut, fragile-looking foliage, created a stir. Formerly labeled as unidentified species U076, *B. incisa* grows easily, Mabel said.

B. oxysperma, formerly U021, is an orange-flowering climber Martin Johnson acquired in Philippines. The plant grows away from redwood stakes, perhaps because of a reaction to the redwood. Mabel has not been able to train plants on such stakes.

Mabel finds Doorenbos collection no. 1022 a difficult, slow grower. Shown on the January 1980 *Begonian* cover, it is a spectacular yellow-flowering African species. Dr. Doorenbos has said he considers the plant to be "perhaps most beautiful species in existence." Other African species offered for sale were *B. potamophila*, similar to *B. quadrialata*, and *B. cilio-bractea*, with its blooms hidden under the foliage.

Among the other plants Mabel showed were *B. oxyloba*, *B. rhopalocarpa*, *B. ampla*, *B. komoensis*, *B. kisuluana*, *B. raynalianum*, Doorenbos no. 1166, and U075.

Incoming ABS President Bob Ammerman, who grows begonias from seed professionally at his Vista, Calif., nursery, explained his techniques. But he suggested growers use whatever systems they find work for them.

Bob said he usually starts with 2-inch plastic pots filled with screened peat moss, sometimes with a little sand added. He waters with distilled water, then places the pots in a plastic sweater box.

He strains seed through a fine kitchen strainer onto clean paper to remove chaff. If the seed rolls on the paper, it is good. He sprinkles the seeds into the little pots without pressing them into the mix.

The sweater box is covered and given 14 to 16 hours of light daily. Once germination happens (in three days to several months, depending on species or cultivar), Bob foliar-feeds by misting the tiny plants with quarter-strength fertilizer.

When germination seems to be complete, he moves clumps of the small plants into a flat, using a mix of seven parts peat to five parts perlite. He covers the flat with a clear plastic-covered frame.

He hardens off the plants by raising the cover a corner at a time. He does this daily until the plants are used to fresh air. Then he transplants the individual plants into 2½-inch pots. He sprays with benomyl or triforine occasionally as a fungus disease preventative.

San Miguel Branch's Mike Ludwig spoke Saturday morning about gesneriads, a plant family whose members have five-petaled flowers with long tubes. Indoor gesneriads Mike grows in a mixture that includes equal parts of peat moss, perlite, and vermiculite combined with Cornell mix. Gesneriads growing outdoors are potted in three parts small bark, three parts redwood compost, 1½ parts perlite, and one part peat moss. Mike adds dolomite lime if necessary to achieve a p.H. of 6.5 to 7.

Mike fertilizes plants in pots 5 inches or larger with Osmocote three times annually—in April, June or July, and September. He sometimes uses liquid fertilizer, alternating brands to utilize the different trace elements they contain. Not all trace elements can be included in a liquid fertilizer because some won't combine chemically in liquid form, he said.

Mike enjoys gesneriads in part because they are "relatively pest free," he explained. Safer's Insecticidal Soap and sprays that are not oil-based are effective against pests that do appear. Diazinon granules spread around the base of a plant are especially effective in preventing mealybugs or, with the plant enclosed in plastic overnight, at eradicating an infestation.

Fern expert Tom Porter of Porter's Tropicals in Orange, Calif., told ABS members button ferns are among the most difficult to grow because of their susceptibility to crown rot. Growing them in clay pots and allowing them to dry out somewhat between waterings will help, he said.

Tom recommended planting rabbit's foot ferns, of which there are many varieties, in pots made from Brazilian tree fern. The natural fiber holds lots of moisture and the fern rhizomes will root into the outside of the pot, forming a nice ball.

Too much water is a frequent problem on maidenhair ferns, which definitely are not good house plants, Tom said. As with most ferns, overpotting also is a problem. Prune maidenhair ferns in spring when new fiddleheads are about one-half inch high. Cut just above the new growth. Scales and mealybugs are rare on maidenheads, but Black Leaf 40 effectively controls aphids, a common problem, he said.

In her seminar on judging begonias, Pat Maley of Porterville, Calif., summoned from the audience members who served as show judges the day before. In jest, Thelma O'Reilly told would-be begonia judges to "judge the plants and scram," advice given her years ago when she was learning to judge.



The rose arcade at Huntington Gardens provided examples of America's best known ornamental.

Begonia incisa was an instant winner for attention at the unusual species. Seeds are offered in the Seed Fund.

Special Sunday morning tour enjoyed the hospitality and begonias on the patio of Willadean and Leroy Cormier, members of the Rubidoux Branch.

Vanessa and Anthony Hibbert of Hampshire England timed their vacation to attend the convention. They viewed the plant sales tables carefully for specimens to take home.

Pat emphasized that the "judge's obligation is to know the plants, grow them and read about them a lot." If two plants in competition are equally good, judges may use difficulty of cultivation as the deciding factor in selecting a winner, she explained. Three judges serve on a team and each is expected to express opinions and provide expertise.

plants some advice she received long ago from growers Helen Lewis and Joy Logee Martin: groom plants constantly, even when taking friends through your collection.

Pat distributed information about the ABS point scoring system and asked judges to explain why points were deducted from various ribbon-winning specimens.

John Provine, horticulturist at the Los Angeles Arboretum and a former ABS president, told banquet attendees that the survival of *Begonia* was passing into the hands of the dedicated amateurs of true lovers of begonias who grow them because of their special interest and delight in the species.

Size is not a factor in determining a winner, but the importance of good grooming cannot be overemphasized, she said. Mabel Corwin related to those who enter

Public gardens are finding they must devote their limited funds to those species which require the least labor and attention.

Turn to page 125

BEGONIA FANTASY/ *Winners exhibited wide variety of begonias.*

Margaret Lee



Best of Show and Sweepstakes Trophies were awarded to Mabel Corwin. Her specimen of unidentified species U003 was judged the most outstanding in the show.

Division Winners

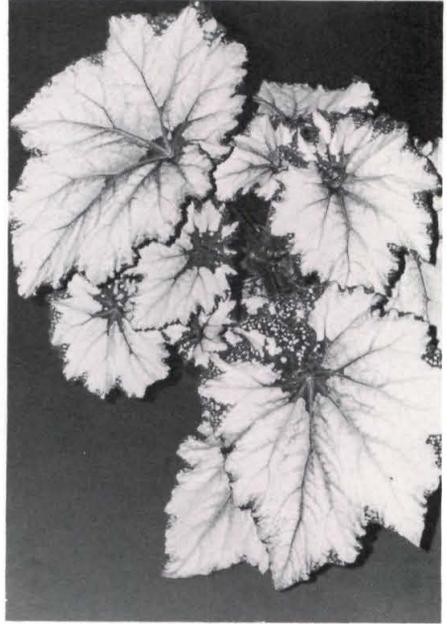
- A - Cane-like
Hannah Serr Memorial Trophy
Mabel Corwin
B. 'Silvermist'
- B - Shrub-like
Monterey Bay Area Branch Trophy
Mabel Corwin
B. U003
- C - Thick-stemmed
San Gabriel Valley Branch Trophy
Mabel Corwin
B. 'Star Frost'
- D - Semperflorens
Palm Beaches Branch Trophy
Terry Hicks
Unnamed semperflorens cultivar
- E - Rhizomatous
The O'Reilly Trophy
Bob Ammerman
B. 'Oasis'
- EE - Crested/Spiral Rhizomatous
Herb Warrick Memorial Trophy
Claire Husted
B. 'Bokit'
- EEE - Distinctive Foliage Rhizomatous
Mae Blanton Branch Trophy
Mabel Corwin
B. goegoensis
- F - Rex
Paul Lee Memorial Trophy
Claire Husted
B. 'Socotrana Rex'
- G - Tuberous
San Francisco Branch Trophy
Claire Husted
B. richardsiana
- H - Trailing/Scandent
Southwest Region Trophy
Jim Elin
B. (limmingheana x solananthera)
- I - Contained Atmosphere
Wanda Elin Memorial Trophy
Susan Patrick
B. ficicola
- J - Species
Bessie Buxton Memorial Trophy
Mabel Corwin
B. incisa
- K - Hanging Basket/Wall Pocket
Ed and Millie Thompson Trophy
Mabel Corwin
B. 'Lulandii'

- L - Old Begonias
 San Miguel Branch Trophy
 Bob Ammerman
B. 'Medora'
- M - Novel-grown
 Palomar Branch Trophy
 Bob Ammerman
B. fuchsoides
- N - New Introduction by Hobby Grower
 American Begonia Society Trophy
 Mabel Corwin
B. 'Lolomi'
- O - New Introduction by Commercial Grower
 American Begonia Society Trophy
 Patrick Worley
B. (deliciosa x floccifera)
- P - Seedlings
 Clayton M. Kelly Seed Fund Trophy
 No Award
- Q - Novice
 Ed Yeckley Memorial Trophy
 Bill McEwin
B. 'Chumash'
- S - Photo (Plant)
 Adele Zemansky Trophy
 Dan Haseltine
 Unidentified Tuberous Begonia
- T - Artistic Photo
 Greater Chicago Area Branch Trophy
 Chris Fergis
B. 'Dr. Jim'
- U - Planters
 Connecticut Branch Trophy
 Nellie Weaver
B. 'Dawn'
- V - Ferns
 Kevin A. Taylor Memorial Trophy
 Jess Martinez
Adiantum 'Costa Riciana'
- W - Other Shade Plants
 Clarence and Tish Hall Trophy
 Glenda Elin
Episcia 'Cleopatra'
- X - Educational
 No Award
- Y - Artistic
 Alice M. Clark Memorial Trophy
 Christina Llanos
 Ceramic representation of a Begonia

Show Awards

Culture certificates were presented to the following exhibitors (the qualifying point score follows the exhibit name):

- Mabel Corwin
B. 'Lulandi' 98
B. 'Wayne Newton' 98
B. U003 97.7
B. incisa 97
B. goegoensis 95
B. 'Christmas Candy' 94.3
B. 'Star Frost' 94
B. 'Silver Mist' 93.7
B. bowerae nigramarga 91
B. 'Connie Boswell' 91
- Claire Husted
B. 'Socotrana Rex' 97
B. 'Bokit' 95.6
B. richardsiana 93
B. 'Pink Plunder' 92.6
B. 'Emerald Jewel' 90
- Bob Ammerman
B. 'Murray Morrison' 95.7
B. 'Medora' 93
B. 'Oasis' 92
B. fuchsoides 91
- Jim Elin
B. 'Paul Bee' 93.7
B. 'Beryl' 91
- Ronnie Nevins
B. 'Fireworks' 93.3
B. 'Crystal Lake' 91
- Rick Arend
B. 'Ginny' 97.3
- Virginia Carlson
B. 'Medora' 93.3
- Bob Cole
B. (India sp.) U 061 90
- Terry Hicks
B. semperflorens cv. 90
- Keith Mautino
B. unidentified Brazil sp. 92
- Susan Patrick
B. ficicola 95.6
- Elaine Baxter
B. Brazil sp. 94
- The designation "Begonia Hybrid of Distinction" was given to the cultivar *B. deliciosa x B. floccifera*, with 95 points. It was presented to Patrick Worley for his new introduction by a commercial grower.



The Best New Introductions were Patrick Worley's hybrid B. deliciosa x B. floccifera and Mabel Corwin's B. 'Lalomie'

Trophy Fund Donors

It was very gratifying to have served as the Trophy Chairman for the 1983 "Begonia Fantasy" Show and Annual Convention of the American Begonia Society. The response was tremendous and the entire membership extends thanks to the following branches: Buxton (given in memory of Bessie R. Buxton), Glendale (in memory of Ed Yeckley), Knickerbocker (in memory of Bernice Brillmeyer, Midge Grasheim, and Murray Morrison), Orange County (in memory of Wanda Elin), Alfred D. Robinson (in memory of Alice M. Clark), Seattle Area Branches (in memory of Herb Warrick), Westchester (in memory of Wanda Elin), and to the following branches which gave to the trophy fund: Barkley, Mae Blanton, Central San Joaquin, Connecticut, Dallas Area, Garden Grove, Greater Cincinnati, Greater Chicago Area, Clayton M. Kelly Seed Fund, Miami, Monterey Bay Area, North Long Beach, Palm Beaches, Palomar, Rubidoux, Sacramento, San Fran-

cisco, San Gabriel Valley, San Miguel, Santa Clara Valley, Theodosia Burr Shepherd, Southwest Region, and Whittier.

The following individuals gave financial support: Katharine Alberti (in memory of Wanda Elin), Lorraine Anderson, Howard and Barbara Berg, Juana Curtis, Gilbert A. Estrada, Doris P. Gardner, Maybelle M. Green, Clarence and Tish Hall, Margaret Lee (in memory of Paul Lee), Diane A. Lewis (in memory of Wanda Elin), Phyllis Mautino, Ronnie Nevins (in memory of Wanda Elin), Irene Nuss (in memory of Hannah Serr), Thelma O'Reilly, Phyllis Razor, Norman and Daisy Simmons (in memory of Kevin A. Taylor), Ed and Millie Thompson, and Adele Zemarsky.

Photographer's work appears on pages listed by their names.

Chuck Anderson—116, 119, 120, 122

Dennis Maley—123, 128

Charles Bates—123b

Tim O'Reilly—124

BEGONIA FANTASY/ *ABS plaques awarded to two couples.*

Mabel Corwin

Herbert P. Dyckman

The Herbert P. Dyckman Award for Service was presented to Doug and Goldie Frost. They joined the American Begonia Society in 1970. They were responsible for organizing the Garden Grove Branch in 1973. They have worked in many capacities in their own Branch and on the National Board.

They have shared their knowledge and plants, especially encouraging beginners. Visitors seldom leave their home without a new begonia to grow and share. They have continuously strived to set seed on any species they have, and have been regular contributors to the Seed Fund.

Their hybridizing efforts have given us many new hybrids to grow and enjoy. Some of their popular hybrids are *Begonia* 'Pink Lemonade', 'Kosmatka', 'Garden Grove', 'Alice G.', and 'Heather Ann'.

Eva Kenworthy Gray

Ed and Phyllis Bates were the recipients of the Eva Kenworthy Gray Award. Their stewardship of *The Begonian* from 1974 to 1979 changed it from primarily a society newsletter to its expanded function as a botanical journal and horticulture magazine. Through selection and editing of articles, their editorship was the real beginning of a new era for the magazine.

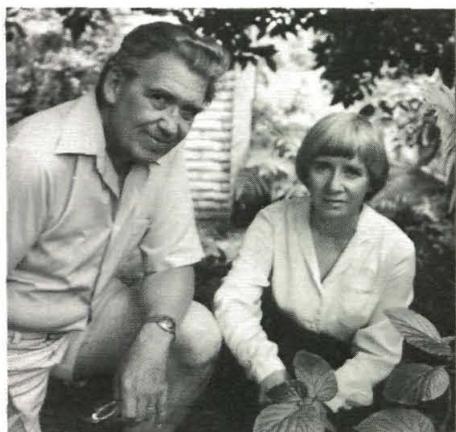
Through their five years editing the magazine, they have been outstanding in their promotion of interest in the culture of begonias and understanding between the members in their pursuit for knowledge of begonias.

Ed became interested in begonias when he moved to California in 1956. He was encouraged by his co-worker, Wally Wagner, and soon became an active member of the American Begonia Society.

Award Chairman Mabel Corwin will call for nominations for ABS Awards soon for next year.



Douglas and Goldie Frost



Edgar and Phyllis Bates

Ed is a computer specialist and edits computer documents. Phyllis edits *LAFS Journal* and returns to the editor's post for *The Begonian*.

The Robinson medal was not awarded.



*Chuck Anderson,
Karen Bartholomew,
new president Bob
Ammerman relaxed
just before the banquet.*

Chuck Anderson

I invite you to create in your own mind right now a view of the American Begonia Society in which every person—every person—is totally committed to making the ABS work. This includes people in your branch who bug you. It includes ABS officers you think are jerks. No matter what a person does—even if it looks to you like something that doesn't support making the ABS work—you *consider* that act to be the best expression that person can muster at the moment of his or her commitment to making the ABS work.

In this context, you can responsibly and constructively disagree with a *statement* or an action, perhaps suggesting a workable alternative or a compromise, but you cannot invalidate the *person* making the statement or taking the action. Instead of setting up situations where it's inevitable that there be winners and losers, we can create a new kind of context for decision making: By approaching issues openly, without prejudging proposals, without judging people's motivations at all, and by holding open the possibility that something *might* work rather than that it might *not*, we will all come out winners. We will demonstrate that the ABS can work for everyone in it.

Chuck Anderson of 826 Santa Rita Ave., Los Altos, CA 94022 delivered a version of this message in his address as outgoing president at the ABS convention in Riverside, Calif.

This approach extends to all areas: In an ABS that works for everyone, there are no gossips, no telephone whispering campaigns, no complaining (although you can express a concern to someone in a position to do something about it), no intolerance of views or behavior or appearance. You are open to new possibilities, accepting of human foibles, always willing to give the benefit of the doubt. In short, everything you do is totally consistent with making the ABS work for everyone in it.

Notice that I didn't say everything you do which makes you feel good, or feel important, or which makes you *look* good to others. And I didn't say making the ABS work for you alone or for a small group of members. I mean you support others in making the ABS work, but you *don't* point your finger when you think someone has fallen short. You don't tell Phyllis Bates she hasn't published enough articles on tuberous species—what you do is offer to support her in publishing more of them. You research, write, and submit one yourself, or you take it upon yourself to solicit such an article from someone qualified to write it.

If everything we all do is aimed at making the ABS work for everyone, the ABS *will* work for everyone.

That's my invitation. You can accept it. You can reject it. You can ponder. You can prejudge it. You can just do nothing. The only response that will achieve anything is to accept it—right now. If you do, you'll see miraculous things happen in our future.

A Pat on the Back

Now that the 1983 Convention and Show is in the past (but, I hope, never forgotten), I would like to thank every one who helped make it the success that it was. First of all, God, who stopped the rain when we needed it stopped. Then the Rubidoux Branch members, Jim and Glenda Elin, Diane and Bill Scott, Frank Nudge, Norma Pfrunder, Terry Hicks, Gene Marshall, Bobbie West, Dewitt Adams, Bill McEwen, Willadean Cormier, George Ghiotto, Bob Ammerman, Jess Martinez, Mike Ludwig, Elizabeth Craig, Annie Greer, Bob and Hilda Bailey, Sandy and Marvin Crane, Claire Husted, Peggy Klett, Davis Newman, Betty Remy, Jack Wilder, and anyone whom I have failed to mention by name here.

To the Orange County Branch, and Sandy and Stella Sandoval who did such a great job seeing that the Hospitality Room was the best R and R place in the history of conventions. To Margaret Lee, who always does a beautiful job on trophies. To Elisabeth Sayers, who was a constant vigil at the registration desk. A very special thanks to Pat and Dennis Maley and their crew of placement and entry personnel. To Art Sackentruther, who was there when I needed him most, and last but not least, to John Ingles, the right arm, the tightwad who wouldn't spend a dime that was unnecessary, to see that we made all we could for the ABS.

There were several nonmembers who also pitched in and helped wherever we needed them. Miles Hicks, Jim Marshall, Leroy Cormier, who withstood an army tramping through his beautiful home, and Pete Davis, who begged, borrowed and not quite stole the extra tables and the speaker system that we needed.

I hope that all of you who attended had a great time, meeting old friends and making new ones. And to all of you who couldn't attend—you were sorely missed by all of us.

Arlene Davis, Chairman
1983 Convention and Show

Even as President Chuck Anderson challenged the ABS members to work in greater harmony, Pat Maley sensed the feeling that one member had termed "Iowa Reunion." She jotted down her immediate impressions on hotel stationery at the Convention.

Begonia Hugs/ABS Spirit

The 1983 Convention was an astounding, mind-expanding experience. No, I am not talking about the show, which was really beautiful, or the seminars and meetings, which were enlightening and fun. I'm talking about the convention—the gathering of people with a shared purpose and interest. There was at this gathering a spirit I have only glimpsed before in small groups within the ABS; a feeling of love and friendship that created a closeness and sense of unification.

I think the cohesiveness came from the personal reaching out of so many people. This gathering was one big hug between us all . . . and the result was a sense of real communication and oneness of purpose—a newness of spirit that will carry the American Begonia Society ahead.

This spirit can extend to all of the members who could not be in Riverside. To all of you I send a big hug, an expression of the warmth and sharing that is the essence of ABS as expressed in the aim: to bring into friendly contact all who love and grow begonias.

Convention Events (from page 119)

For the *Begonia*, this often means planting in the ground instead of treating as specimen plants in pots. The lessened care means losses and less beautifully shaped plans. So it is left up to the hobbyist and specialty nurseryman to continue the maintenance of this magnificent species.

<p>The Indoor Light Gardening Society of America Inc., Dept. B, 128 West 58th St., New York, NY 10019 Dues \$8.00. LIGHT GARDEN published 6 times yearly, cultural guides, seed exchange, round robins, chapters, slide library.</p>

Two special ABS people—the Frosts

Pat Maley

At the annual banquet at the 1983 Convention in Riverside, the festivities began with the Salute to the Flag and the reading of the ABS Aims and Purposes. At the core of this society are people for whom those Aims and Purposes have great meaning, who truly strive in all ways to fulfill those ideals. That night the Herbert P. Dyckman Award for Service was presented to Doug and Goldie Frost, a couple who have lived those aims and purposes and who symbolize all that is good in the American Begonia Society.

For those who are, like me, privileged enough to know and love Doug and Goldie Frost, join me in thanking them for all they have given us. I hope, through these pages, to help those not so blessed to know and appreciate them.

Doug and Goldie joined the ABS in February 1970 at a meeting of the Orange County Branch. In August 1973 the Frosts organized the Garden Grove Branch. The main emphasis of that branch has always been on teaching and encouraging newer growers. At almost every meeting you will find Doug giving lessons and advice on growing, or telling the background of a particular begonia. For ten years the Frosts have been a vital force in their branch, donating countless hundreds of plants and even more hours of hard work. Their reward has been seeing the Garden Grove Branch grow into an active, exciting group where learning about begonias never ceases to be new and exciting.

Both Doug and Goldie have served as branch officers and on the National Board in numerous positions. Doug was also an outstanding Show Chairman in 1977. But positions held are not what make Doug and Goldie Frost so special, so loved by all who meet them. There is a spirit in these two, *Pat Maley of 7384 White Oak Drive, Placerville is preparing for a show of her horticultural paintings and drawings. She did the drawings on the next four pages.*

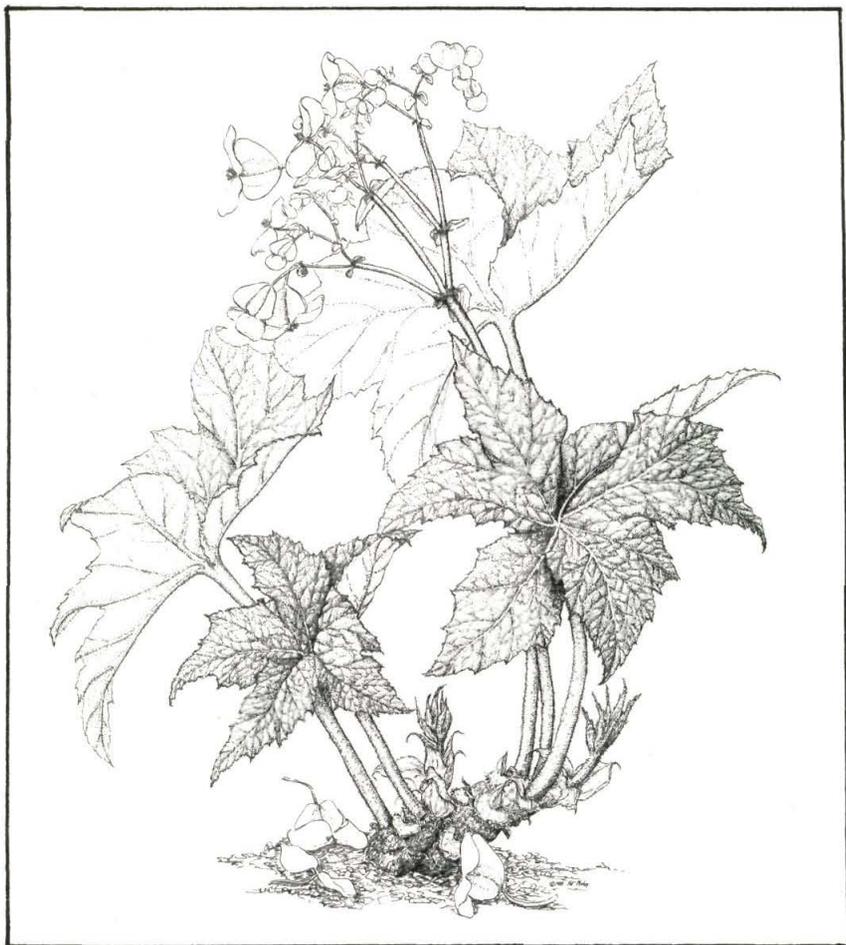
the spirit of ABS, of an involvement that goes beyond holding offices. Few who meet them are not touched by this spirit. Their involvement in begonias seems contagious, reaching out throughout the society to "stimulate and promote interest in begonias," to "bring into friendly contact" those who love and grow begonias. They share their knowledge and love of begonias in many different ways. Doug is an excellent speaker, giving down-to-earth programs that teach and encourage growers from beginners to experts.

The Frosts share a great interest in growing from seed and have been responsible for getting many others involved in this delightful aspect of begonia growing. They have provided seed growing demonstrations and educational exhibits at branch, local, and national shows, and never hesitate to share seed or seedlings with any who show interest. Few visitors leave the Frost garden without a new plant or two to heighten their interest. Doug has also passed on much educational information through the Round Robins, and wrote on seed growing for the *Begonian*. His friendly smile and warmth reach out to newcomers and make each feel special and valued.

Goldie may be the quiet one, but her love of begonias and involvement in the society has been every bit as deep as Doug's. Goldie was the first to catch the hybridizing bug, after reading Dorothy Behrends' book *Begonias Slanted Toward the Beginner*. Goldie's enthusiasm for this book led to a lasting friendship between the Frosts and Dorothy Behrends that can only be called a mutual admiration society.

Goldie told me, "I walked out through the shade house one day, and all these blooms were looking me right in the eye, as if to say, so much is going to waste. And boy, did I have a ball for about a week; everything I touched took!"

So began a long list of Frost hybrids. There are too many to list all, but I do have some favorites. Few canes catch the eye like the black-green leaves and fiery red blooms



Begonia 'Estrada', one of Frost's cultivars

of *B. 'Margaret Taylor'*. Some of Goldie's other cane hybrids are among those I enjoy most, such as *B. 'Cosie'* and *B. 'Emma Walker'*. Another favorite is *B. 'Cella McClish'*, with its bronze green leaves and huge clusters of pure white flowers. *B. 'Tim O'Reilly'*, a cross of *B. olbia* and *B. malabarica*, is an outstanding thick-stem begonia with large pink blossoms. Goldie's rhizomatous hybrids are numerous, ranging from the tiny, darkly marked *B. 'Heather Ann'* through giants such as *B. 'Shenandoah.'* The silvery-pink surface of *B. 'Pink Lemonade'* shimmers with a bubbly texture. The hit of the 1977 Convention was Goldie's Best New Introduction, *B. 'Doug Frost'*, with large

dark swirling leaves seeming to take flight.

I remember one afternoon walking through the lath house with Goldie, admiring many of her hybrids. We stopped to look at *B. 'Kosmatka'* with its large, lively, dark red leaves. I said, "Oh Goldie, just think of a cross of *B. 'Kosmatka'* with *B. carrieae!* Can you imagine a begonia with the coloring of *B. 'Kosmatka'* and the texture of *B. carrieae?*" Goldie laughed, practically jumping up and down in her excitement, and said she had already set seed on that cross! The dream of that cross came true, giving us the outstanding new *Begonia 'Dorothy Behrends'*.

Turn to page 138

Behind the Hybridizing Scene Pat Maley Exercises Selectivity

Thelma O'Reilly

My introduction to Pat Maley came over the telephone when I served as Show Classification and Entries Chairman for Begonia Heritage, the 1976 ABS National Convention and Show in San Diego. She explained that she was a three week old member of San Miguel Branch and wanted to know the procedure for entering her three lone begonias and two terrariums. Little did she know then that the lure of begonias would rapidly change the pattern of her lifestyle. (Some of the "old pros" could have enlightened her.)

Pat was an active member of the Exotic Plant Society when she was invited to present a fern program to San Miguel. She joined at this meeting and six months later was elected vice-president. After one term she was elected president and served in this capacity for three years.

San Miguel members say Pat lit a fire and they blazed up to great heights with the quality of their annual shows, local displays, and top-notch newsletters which she edited and illustrated.

As a new begonia collector, Pat avidly read and studied every bit of information she could find, especially articles in back issues of *The Begonian* that discussed hybridizing. Fascinated by the possibility that it was easy to create one's own miracles in this family of beautiful leaved plants, she began a hybridizing program in the spring of 1977.

The results of her first cross, *Begonia* Ricky Minter' x *B. nelumbiiifolia* were unsatisfactory. In her opinion the seedlings lacked distinction. She is grateful to the members and friends, especially Marge and Paul Lee, whose encouragement spurred her to continue. Belva Kusler's presentation

Thelma O'Reilly, 10942 Sunray Place, La Mesa, CA 92041 also grows prize bromeliads, but we'll forgive her for that.



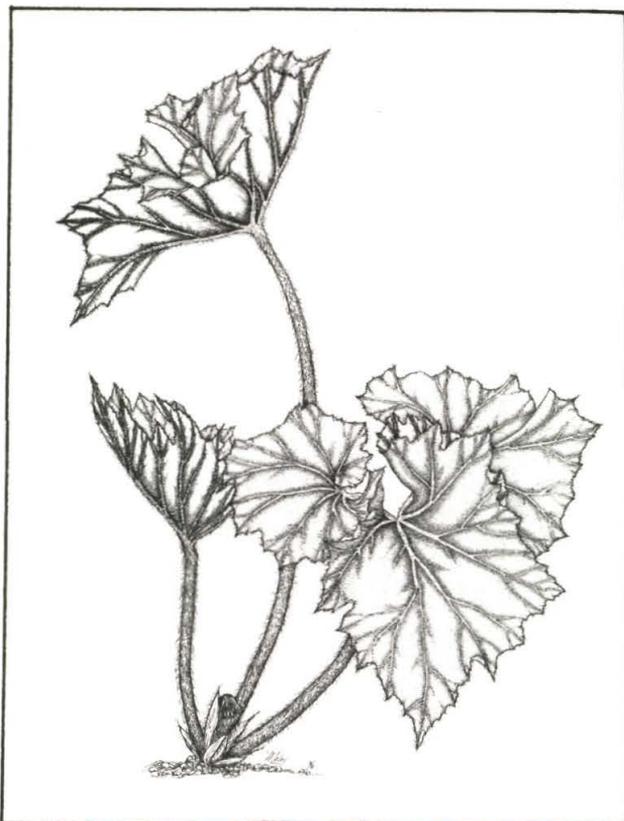
Pat Maley and Thelma O'Reilly at the Convention

of her own hybridizing program at the 1977 convention banquet was another source of information that left a lasting impression.

The following year, envisioning new, exciting begonias, she made hundreds of crosses. Additional constructions built by her husband Dennis overflowed with hundreds of potted seedlings. I remember my first visit to Pat's garden; I was stunned by the sight of so many interesting, healthy, young begonias in such a limited space.

Then began the fascinating and frustrating job of watching them grow and weeding out all but the best. After five years of tender, loving labor there are a few she cannot give up because she is still not certain they merit propagation and distribution.

During the intervening years, Pat traveled up and down the California coast seeing hundreds of old and new begonia hybrids. She corresponded and traded with Round Robin members and exchanged with local friends. All of these activities strengthened her determination to release only worthwhile begonia plants. She also found time to



Pen and ink drawing of *B. 'El Capitan'* by Pat Maley

learn to grow award winning begonias, become an ABS judge, serve on the ABS Board of Directors, and write and illustrate articles for *The Begonian*.

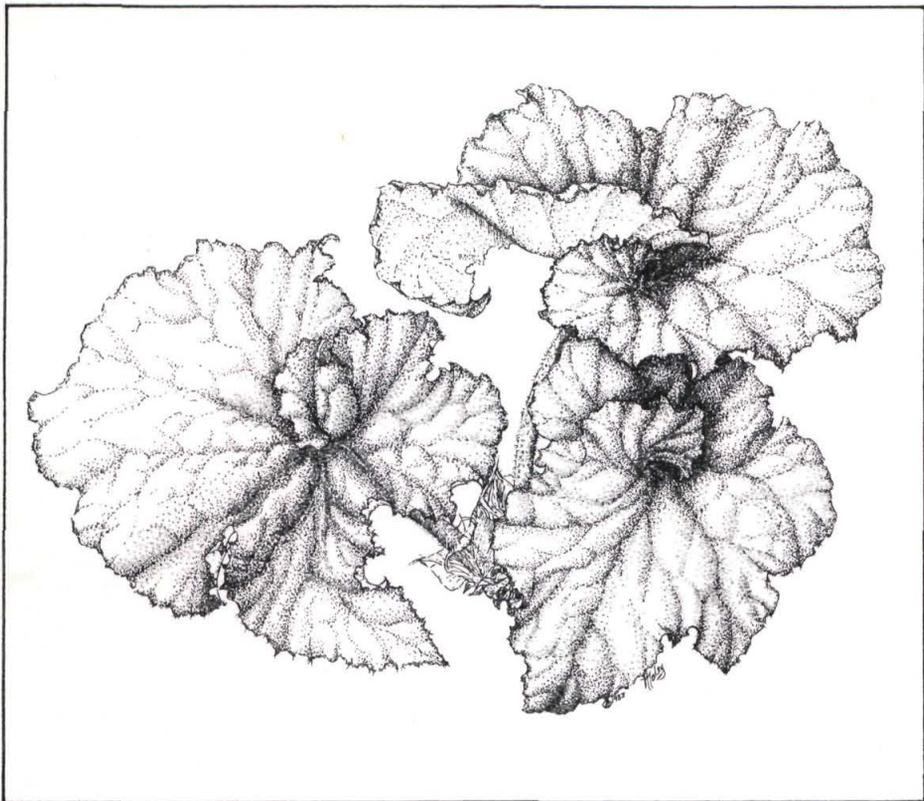
As a result of these hybridizing years, Pat named and released seven cultivars. Four are registered. She says "names should have close ties to the hybridizer. A lot of begonia names are pretty but sound alike—nothing sets them apart." After much consideration she decided to name her hybrids after points of interest in San Diego County. Let's meet her selections.

B. 'Cajon Valley' (*B. 'Rip Van Winkle'* x *B. 'Bokit'*) is a rhizomatous begonia with medium, olive green, ovate leaves highlighted by dark brown outlined veins. Margins are sub-entire and ciliate. The surface is slightly pubescent and bubbly, glowing with a satiny sheen. It is easy to cultivate.

B. 'Cuyamaca' (*B. 'Chumash'* x *B. carrierae*) is a rhizomatous begonia with medium, dark green, cleft leaves highlighted with a black network along all veins and a densely hairy surface. Easy to grow, it is an excellent plant for beginners. Registered.

B. 'El Capitan' (*B. 'Bokit'* x *B. nelumbii-folia*) has large, medium green leaves with bronze overtones, dark red markings along veins and slightly lobed, fluted, spiraled margins. Texture is firm and surface is sparsely hairy. This extremely sturdy cross produced two distinctive begonias after culling out over a hundred seedlings that did not meet Pat's criteria. Easy to cultivate. Registered.

B. 'Granite Hills' (*B. 'Bokit'* x *B. nelumbii-folia*) is a sister seedling of *B. 'El Capitan'*.



Pat Maley's hybrid *B.* 'Harbison Canyon'

B. 'Harbison Canyon' (*B.* 'Apache' x *B.* 'Yananoli') has glabrous, chatoyant, medium sized green, spiraled leaves with bronze shading and shimmering golden highlights. The thin, delicate texture with bubbly, silk surface gives an impression of fragility but it is a hardy, easy to grow rhizomatous begonia. It is not only my favorite of the Maley hybrids but one of the treasures in my entire collection of plants. Pat is still testing one other hybrid of this cross. Registered.

B. 'Mount Helix' (*B.* 'Bokit' seedling x *B. carriæae*) is solid, clear green with medium, lobed leaves and a sparsely hairy surface. I find this rhizomatous begonia somewhat difficult to grow.

B. 'Mount Soledad' (*B.* 'Essie Hunt' x *B. carriæae*) has giant leaves with a rich, bottle green upper surface and light green under-surface, subentire margin that is ciliate, crested and wavy, thick, succulent texture

and bubbly surface that finely scattered hairs give a dusty appearance. An unusual rhizomatous begonia that is bold, sturdy, distinct and handsome. Registered.

Bob Ammerman of Vista, CA has named one of his lovely new cultivars *B.* 'Pat Maley' (*B.* 'Dr. Jim' x unidentified Mexican species from Vera Cruz). Application for registration has been received.

The desire for permanent records of her plants challenged Pat's natural artistic talent. She used this talent to illustrate begonias and other plants scientifically and accurately for several publications, including *The Begonian*. Before moving to Placerville, CA she completed a course in scientific illustrating at the University of California at San Diego. She hopes to establish a career in this field. We wish her every success and hope she'll continue to favor us with many more carefully selected begonia cultivars.

SEED FUND/*B. incisa* — the star of "Begonia Fantasy"

Joy Porter, director, Clayton M. Kelly Seed Fund

- S-O 1—*B. rajah* is a rhizomatous species from Malaya having 3- to 6-inch coppery-brown leaves with deeply indented light green veins giving a pillowed effect (bullate). Like most of the distinctive-foliage types, it requires terrarium culture. It also takes patience; for the seeds may take 3 months to germinate during which time the medium *must not* be allowed to dry out. Small light pink flowers are produced intermittently. Very beautiful. One packet per customer.
..... per pkt 1.00
- S-O 2—*B. minor*: A shrub-like species and the first *Begonia* to be cultivated in England, it has also been called *B. nitida* because of its shining leaves which are medium-size and bright green. Profuse white flowers in early summer.
..... per pkt 1.00
- S-O 3—*B. kenworthyae* is a rather unique species from Mexico with upright rhizome and 6- to 9-inch ivy-shaped leaves with a purple "bloom" over the gray-green color. Fairly large white flowers with pink tinge in late winter. In its natural habitat, goes partially dormant during the dry season. per pkt 1.00
- S-O 4—*B. lindleyana* is a much-confused species, with several varieties in cultivation grown with the names *barkeri* and *sparsipila*: see *The Begonian* February 1972 and September 1980. This plant has a rhizome-like upright thick stem, long petioles, leaves obliquely oval with pointed shallow lobes and a long-stemmed inflorescence fairly large white flowers in spring. per pkt 1.00
- S-O 5—*B. incisa*: This lovely little shrub-type species was imported from the Philippines by Martin Johnson. The pale red stems and petioles support most un-begonia-like leaves which are divided to the sinus into five lobes which are also lobed. The pale red veins are indented above and prominent below. A few tiny stiff hairs adorn the surface. Pale pink flowers in a few-flowered inflorescence with the female being comparatively large for such a small plant. Terrarium culture. Easy from seed. One packet per customer. per pkt 1.00
- S-O 6—*B. fischeri* var. *palustris* is a 2-foot shrub with shining red stems and petioles, small to medium rounded dark green leaves and small round-shaped deep-pink flowers in summer. See *The Begonian* January 1981. Open-pollinated.
..... per pkt .50
- S-O 7—*Athyrium filix-femina*: Lady Fern. Hardy, tufted, graceful with deeply-toothed bright-green leaflets. Spores. per pkt .50
- S-O 8—*Platyterium suberbum*: A showy epiphyte with upright spreading sterile fronds of glossy vivid green; the upper lobes doubly forked and staghorn-like with dark venation. Rare. per pkt .50
- S-O 9—*Hippeastrum* (Amaryllis) from Australia. 2 seeds. per pkt .50
- S-O 10—*B. U064*: Low-growing, will climb. Leaves leathery-textured, almost round, to 3 inches in diameter. Flowers pale pink, the females being about 3/4" in length. Once well started this grows vigorously according to Martin Johnson, who imported it from Baler, the Philippines. Germination is very poor (10 seedlings from 40 seeds), and I offer it with no guarantee per pkt. 1.00
-

Send orders to Joy Porter, 9 Bayberry Lane, Framingham, MA 01701. Include self-addressed, stamped envelope or add 40 cents for padded, hand-cancelled package. Massachusetts residents add 5% sales tax. Checks and money orders should be made payable to: Clayton M. Kelly Seed Fund. Foreign orders: U.S. funds only and add \$1.20 for postage.

ANNOUNCEMENT



The Thompsons

SUBSIDIARY OF MILLIE THOMPSON, Inc.
P.O. Drawer PP
Southampton, NY 11968

September 15, 1983

To *Begonia* friends,

Since the publication of our book, *BEGONIAS: THE COMPLETE REFERENCE GUIDE* (Times Books, 1981), there have been many new cultivars introduced and a number of species have been brought into cultivation. I have been keeping records of these introductions along with as much information on them as I can gather.

In April 1984, my husband and I will privately publish this work. This will include important information in a concise manner. For species, the following will be listed: horticultural classification; available information on flowers and bloom time; country where species was first collected; the date of publication of valid name; and name of author who published the name. For cultivars, the following will be listed: the parentage; the horticultural classification; information on flowers and bloom time; the date of introduction or date of ABS registration; and the name of the originator.

This work will also include a few changes in the horticultural classification and additional information for some species and cultivars previously listed in our work. Additional information will also be listed. It is our further intention in 1986 to publish a complete directory of begonias in cultivation.

Besides continuing our work in research and horticultural classification, it has been our intention to continue our work in collecting species and cultivars of *Begonia* for the Thompson Begonia Museum in order to perpetuate their existence in cultivation for the study and enjoyment of *Begonia* enthusiasts. We most cordially invite everyone to visit when in the New York area.

Sincerely,
Millie Thompson

Mary Harbaugh

Looking for some containers for propagation or those miniatures? One of Risa Young's (Lyndhurst, Ohio) favorites is the plastic container that alfalfa sprouts come in. It has a shallow plastic tray with drainage holes and a plastic dome. "When you buy them at the store the deep part of the container is holding the sprouts and the shallow tray is the lid but I found it is better turned upside down. It is great for propagation or miniatures. I love alfalfa sprouts so I'm getting quite a collection of these. They are also nice because they are small enough to squeeze into tight places."

Joyce Smith (Georgetown, S.C.) made a number of mini-terrariums from the small 8 oz. plastic glasses. She melted a hole in each glass at the base and after planting, another was fitted on top to make a pretty planter. A little tape at the joint holds them together. She did some of these for a garden club talk and they were such a hit that she decided to get more started for little gifts or other such occasions.

Another popular terrarium is that made from a soda bottle. One of the biggest problems with their use is trying to remove the glue that remains on the bottle. Bob Ammerman (Vista, CA) suggests removing it with alcohol or lighter fluid.

Dora Lee Dorsey (Tampa, Florida) uses hair spray to remove the labels from soda bottles. A slow but cheaper way is to fill the bottle with very hot water and then run hot water over or put the cap on and lay it down in a pan of hot water until the label loosens and you can peel it off. If all the glue does not come off you can rub some of it up into a ball and use it to pull the rest off by pressing hard and jerking away quickly.

Information about joining a robin—a packet of letters circulated among begonia lovers—is available from Joan Campbell, round robin director. Write to her at 814 NE Honeyhouse Rd., Corvallis, MN 59828. Please include a self-addressed stamped envelope.

The ball will get bigger and easier to handle and the glue comes away clean if you keep the surface wet as you work. The same method works to remove the glue from the bottom and the base it rests in.

Daniel Paulson (Chicago, Illinois) has used styrofoam cups for pots but likes to cut them down. He usually stacks them and then cuts the top rim where they rest and reinserts the bottom through the cut-off collar portion. It creates a small pot with a better center of gravity than the original cup.

Seeds and Seedlings

Mabel Corwin (Vista, CA) tells how she avoids problems in transplanting seedlings. The seeds are all started in small pots placed inside plastic boxes with the lid kept on. "I transplant when quite small into small trays about 4" x 6". These are placed in another plastic box kept closed. When the trays are full I plant individually in small pots and once again put them in a plastic box with the lid on. When the plants are growing well, only then do I start to harden off very gradually. I think most people make the mistake of changing their environment too soon and too suddenly. I use a solution of ¼ tsp. fertilizer to 1 gallon of water for all my watering."

When Joyce Smith (Georgetown, S.C.) wants to pollinate for seed production she chooses the warmest mid-day hours. She either picks up freshly fallen males or picks off the older male flowers and bats them lightly against the female flowers. She says that she usually can't see any pollen but most of the time it seems to be there.

Joyce found that the seed trays she was using were not satisfactory as they were too shallow and dried out too fast. She decided to go back to the 12-space market packs. The soil in these rarely dries before the seedlings are well on their way. The necessity for extra watering in the early stages seems to be a deterrent to their growth.

Bob Hamm (Wichita Falls, Texas) gives us an important reminder that only species come true from seed. For example, a seedling of 'Pinafore' or 'Joe Hayden' is not the same as the parent plant. A plant may be referred to as 'Pinafore seedling' but over the course of time the "seedling" part is often dropped and mass confusion starts to result.

Mabel Corwin (Vista, CA) says that if she plants tuberous seed too early the little plantlets form a tiny tuber and die down. That is usually the end of them.

Cuttings

Dael Jones (Dallas, Texas) describes for us the disc method of propagation. He cuts the leaves of any rhizomatous in $\frac{1}{2}$ " squares, being careful to get one main vein running through each square. Then he lays the squares bottom-side down on damp builder's sand in a glass container. He covers with a clear top and puts where it gets a lot of light but no direct sun. It is amazing to see how quickly little plantlets form on many varieties. This will not work on canes, shrubs or thick-stems as far as he knows.

Dorcas Resleff (Ridgefield, WA) has good results by using a plastic kitty-litter-pan for propagation. A $\frac{1}{2}$ -inch thick slab of styrofoam is cut to fit so it will float on a couple of inches of water. You can add a little fertilizer high in phosphate to the water to encourage root production. Poke holes through the styrofoam at a slant and put the leaf stem which should be about 2 to 2½ inches long through the hole. The leaf rests on the foam and the stem is in the water. The depth of water must be watched so that it does not get too low. Warmth is important, too. When roots have formed, pot up the cuttings in small sized pots.

Mabel Corwin (Vista, CA) says that *B. 'Wayne Newton'* cuttings root easily but the problem is finding good cuttings on the plant because it blooms at every node. Roots form at these nodes but the plant will not make growth buds where it has bloomed. The best time to take cuttings is early in the season before it starts to bloom.

Farewell

This will be one of my last columns before resigning as Round Robin Director but I don't want to leave without letting you know how much I have enjoyed the last three years.

This is a position that is perhaps unique in the Society. I have had the opportunity to become acquainted with members from all over the United States and Canada, England, Australia and Japan. Through direct correspondence with you and through reading your letters in the robins I have gained an understanding of your feelings about the Society. I have come to understand the deep personal friendships that develop among the robin members even when you have never met in person. Personally, I have gained many friends and I hope to continue these friendships through the robin flights and personal correspondence even after I have left this position. As a member-at-large it is easy to feel isolated from other begonia growers. This is certainly no longer true for me.

There have been a few other side effects to this job as well. My typing speed has improved tremendously and I have learned to become very well organized. My face is a familiar one at the post office and my mail box has not been empty in three years.

There have been moments of frustration when flights would be lost (rarely the fault of the postal service, by the way) and my letters ignored but these were more than compensated for by your kind words of thanks and letters of support.

I would especially like to thank Chuck Anderson and Karen Bartholomew for their help and support of the Round Robins. My predecessor, Mabel Corwin, did a tremendous job of organizing the program before I took over and provided an excellent example for me to follow. Joan Campbell will be taking over this position now. I know that she will do an excellent job and I am sure that you will give her as much encouragement and support as you have given me.

A Gift For Gardeners

A subscription to *Horticulture* is a superb gift for anyone whose joy it is to dig in the earth. Our magazine is about plants: how to find them, grow them, and enjoy them. We cover the indoors and the outdoors, edibles and ornamentals, the rustic and the regal. All are dealt with accurately and thoroughly, using illustrations which are both informative and lovely. *Horticulture* is, in short, the oldest and finest gardening magazine in America.

A gift subscription to *Horticulture*, *The Magazine of American Gardening*, will deliver twelve monthly issues of the best in garden writing. For the expert, it's a reference without peer; for the beginner, it promises early success. Our special holiday rates offer the first one-year subscription for \$18, additional gifts for \$12, a value that's difficult to duplicate in this high-priced world.

To order, please send your check plus names and addresses of recipients to the address below. For faster service, purchases may be charged to credit card accounts by calling our toll-free number, 800-821-7743. (In Colorado, 447-9300.) For orders received prior to December 1, the January issue, plus an attractive gift card, will arrive for Christmas. Thereafter, we'll rush the card out, with the first issue to follow shortly. But your friends would prefer the former, so please order now.

Horticulture

The Magazine of American Gardening

3300 Walnut St., Boulder, CO 80323



51540

THE BOARD/ Directors Meeting, August 21, 1983

Meeting called to order by President-elect Bob Ammerman at 12:35 p.m. at the Holiday Inn in Riverside, CA.

Bob welcomed all to the first board meeting of the year and encouraged any member to attend board meetings and offer suggestions and opinions. However, only members of the board are able to vote.

Bob made the following appointments to the board. He stated that in some cases he hadn't made an appointment, but if someone resigned a new appointment would be made and where no new appointment had been made the person who previously held the office will continue with it.

Third Vice President	Bob Cole
Advertising Manager	Arlene Davis
Audit Committee	Eleanor Caulkins
Ballot Counting Committee	Lorra Almstedt
Business Manager	John Ingles
Corresponding Secretary	Chuck Richardson
Nominating Committee	Pearl Benell
Parliamentarian	Margaret Lee
Show and Conv. Advisor	Arlene Davis
Show Classification & Entries	Pat Maley
Awards Committee	Juana Curtis Beryl W. Orchard
Awards Committee Chairman	Mabel Corwin
Co-Chairman Judging Com.	Margaret Lee
Co-Chairman Judging Com.	Pat Maley
Constitution Committee	Barbara Berg Charles Jaros Pat Maley Joan Coulat Margaret Lee Bob Cole

Motion made and carried to accept the above appointments.

March minutes were approved.

Audit report was not complete at this time. Bill Scarbrough said he would go over his work sheets and give a revised treasurer's report.

Three members were approved for lifetime memberships:

Join the NATIONAL FUCHSIA SOCIETY

MEMBERSHIP \$9.00 per year includes monthly FUCHSIA FAN "The New A to Z on Fuchsias," a softcover book, \$9.95 plus \$1.00 shipping (residents add 6% tax)
Mail to: National Fuchsia Society, Dept. B
8137 Loyola Blvd., Los Angeles, CA 90045

Free catalog—plastic flower pots, hanging baskets, soil, Perlite, fertilizers, vermiculite, marking labels, trays, books—we have the hard-to-get pan pots 6", 6½" & 8"—and much more.

Excellent quality—extra-fast shipping—all items guaranteed to your satisfaction.

Try us; you will like us.

The Violet House
P.O. Box 1274
Gainesville, FL 32601

Please mention this magazine when asking for catalog

Jean Natter, Robert C. Brooks, and Bob Ammerman. (Bob had paid his membership over a year ago but it had not been submitted before today.) Motion was also made and carried that Chuck Anderson be given a lifetime membership as outgoing president.

Mable Corwin gave a report on awards stating that the nomination deadline would have to be early this year—possibly Nov. and Dec. in the Begonian because the convention is April 1984. She stressed the importance of more people sending in nominations. It was suggested that the branch representatives submit names. Bob stated that more than just a name is to be submitted—a reason must also be given for submitting a particular name. Mable explained the procedure for award nominations. Long discussion followed.

Chuck announced that he had received a letter from Barbara Crick in Seattle stating that she was resigning as convention chairman and suggesting that there wasn't enough support for the convention in 1986. Discussion followed on Seattle branches and the schedule convention.

Scheduled board meetings are Tues., Sept. 20; Mon., Nov. 14; and the third Monday evenings in Jan., Mar., May, and July. All meetings will be held at the Fullerton Savings & Loan, 2310 E. Lincoln, Anaheim at 7:30 p.m.

Gil Estrada reported on the proposed budget which shows disbursements of \$29,458 with a balance of \$42. Budget adopted. Motion made and carried that Whittier branch bylaws be accepted.

Meeting adjourned at 1:45 p.m. 32 members in attendance.

George Ghiatto, Secretary

BEGONIAN MINI-ADS

Mini-ads are \$1 per line per insertion with a minimum of \$4. A line is 38 characters including punctuation and spaces. Payment must accompany order. Send to the editor.

Begonia and lily catalog—35¢. Leslie & Winkey Woodriff. Fairyland Begonia and Lily Garden, 1100-B Griffith Rd., McKinleyville, CA 95521. Visitors welcome.

Violets - Begonias - Episcias

Cuttings only. Send 50¢ for list.

Wilson's Greenhouse, Route 1
Box 165-4 Ozark, MO 65721

BEGONIAS: New large list 45C Many New Additions: incl. many "goodies". Also Achimenes, cacti, etc. Last chance! \$1.35 begonias. Special 15 different begonias \$15.95 p.p. ATKINSON'S GH, Rt 2, Box 28 Morrilton, AR 72110. Give us a try! Thank you.

African violets, begonias, gesneriads, terrarium and dish garden minis, cuttings only. Windowsill Gardens, Box 943, Center Moriches, NY 11934. List 35¢.

ASSOCIATED GROUPS/ *Visitors always welcome*

Arizona

DESERT BEGONIA BRANCH

Mary Church, Pres.
1090 E. Grant Rd.,
Tucson, AZ 85719
Barbara Rogers, Natl. Dir.

California

ALFRED D. ROBINSON BRANCH

2nd Tuesday, 10:30 a.m.
Homes of members
Betty Bauhan, Pres.
5630 Bellevue Ave.,
La Jolla, CA 92037
Margaret Lee, Natl. Dir.

CENTRAL SAN JOAQUIN BRANCH

Irene Cabibi, Pres.
685 W. Morton
Porterville, CA 93257
Esther Passet, Natl. Dir.

EAST BAY BRANCH

3rd Thursday, 7:45 p.m.
Northbrae Community Church,
Berkeley, Calif.
Milton Watt, Pres.
119 Kenyon Ave.,
Kensington, CA 94708
Helen Myers, Nat'l Dir.

GARDEN GROVE BRANCH

3rd Thursday, 7:30 p.m.
Woman's Civic Club,
9501 Chapman Ave.,
Garden Grove, Calif.

Arthur Monday, Pres.
12881 Sylvan, Garden
Grove, CA 92645
George Allison, Natl. Dir.

GLENDALE BRANCH

2nd Tuesday, 7:45 p.m.
Glendale Federal S & L,
401 N. Brand, Glendale, Calif.
Helen Baker, Pres.
1832 N. Ontario St.,
Burbank, CA 91505
Darlene Fuentes, Natl. Dir.

LONG BEACH PARENT CHAPTER

2nd Sunday, 1:30 p.m., Great
Western S & L
6330 E. Spring St., Long Beach
Ruth M. Hurd, Pres.
2942 Sawyer St., Long
Beach, CA 92805
Florence Hess, Nat'l Dir.

MONTEREY BAY AREA BRANCH

4th Wednesday, 8:00 p.m.
New Monterey Neighborhood
Center
Lighthouse and Dickman Sts.,
New Monterey, Calif.
Raymond Peterson, Pres.
192 Walker Valley Rd.,
Castroville, CA 95012
Leslie Hatfield, Natl. Dir.

NORTH LONG BEACH BRANCH

2nd Tuesday, 7:30 p.m.
Mercury S&L
4140 Long Beach Blvd., Long
Beach
Edith Van Landingham, Pres.
6925 Lime Ave., Long Beach,
CA 90807
George Ghiotto, Natl. Dir.

ORANGE COUNTY BRANCH

2nd Thursday, 7:30 p.m.
Fullerton S & L, 2310 E. Lincoln
Ave., Anaheim
Lorra Almedst, Pres.
1965 Celeste Lane,
Fullerton, CA 92633
Cruz Sandoval, Natl. Dir.

PALOMAR BRANCH

2nd Thursday, 7:30 p.m.
Glendale Fed'ral Savings & Loan
Katherine Belz, Pres.
2767 High Mead Circle,

*This directory appears every
other issue. If your listing
is incomplete or inaccurate,
please notify the secretary
immediately and send a copy
of your letter to the editor.*

Vista, CA 92083
Patrick Worley, Natl. Dir.

RUBIDOUX BRANCH

4th Thursday, 7:30 p.m.
West Riverside Memorial
Auditorium
4393 Riverview Dr., Rubidoux
Glenda Elin, Pres.
5390 Camino Real,
Indian Hills, Riverside, CA
92509
R H Terrell, Natl. Dir.

SACRAMENTO BRANCH

3rd Tuesday, 7:45 p.m.,
Garden Center
3330 McKinley Blvd.,
Sacramento, Calif.
Joan Coulat, Pres.
4111 De Paul Ct.,
Sacramento, CA 95821
Marvin Vipond, Natl. Dir.

SAN FRANCISCO BRANCH

1st Wednesday, 8:00 p.m.,
Garden Center
Golden Gate Park, 9th Avenue
and Lincoln Way
Carol Spediacci, Pres.
1189 Glenwood Dr.,
Millbrae, CA 94030
Dolores Dupre, Natl. Dir.

SAN GABRIEL VALLEY BRANCH

2nd Tuesday, 7:45 p.m., Los
Angeles State and County
Arboretum
301 N. Baldwin Ave., Arcadia,
Calif.
Linda Proctor, Pres.
201 N. Sunset Pl.
Monrovia, CA 91016
Louise Best, Natl. Dir.

SAN MIGUEL BRANCH

1st Wednesday, 7:30 p.m., Casa
del Prado, Rm. 104, Balboa
Bob Ammerman, Pres.
1770 Foothill Dr.,
Vista, CA 92083
Juana Curtis, Natl. Dir.

SANTA BARBARA BRANCH

4th Saturday, 7:30 p.m.
Louise Lowry Davis Recreation
Center
1232 De la Vina St.
Dara Emery, Pres.
517 W. Junipero St., No. 2,
Santa Barbara, CA 93105
Kay Willis, Natl. Dir.

SANTA CLARA VALLEY BRANCH

3rd Thursday, 7:45 p.m.
Saratoga Community Library
13650 Saratoga Ave., Saratoga
Elisabeth Sayers, Pres.
369 Ridge Vista Ave.,
San Jose, CA 95127
Mary Margaret Rafferty,
Natl. Dir.

THEODOSIA BURR SHEPHERD BRANCH

1st Tuesday, 7:30 p.m., Senior
Citizens Bldg., 420 Santa
Clara St., Ventura, Calif.
Norm Rohn, Pres.
2033 N. Latham,
Camarillo, CA 93010
Mary Stine, Natl. Dir.

WESTCHESTER BRANCH

1st Thursday, 7:30 p.m.

Allstate Savings,
8800 S. Sepulveda Blvd.
Los Angeles
Pat McElderry, Pres.
5137 Inadale Ave.,
Los Angeles, CA 90043
Clair M. Christensen, Natl. Dir.

WHITTIER BRANCH

1st Thursday, 7:30 p.m., Palm
Park Community Center
5703 South Palm Avenue,
Whittier
Connie Thornburg, Pres.
9535 Nan St.,
Pico Rivera, CA 90660
Billy Scarbrough, Natl. Dir.

Connecticut

CONNECTICUT BRANCH

4th Monday, Homes of members
Arline Peck, Pres.
Eagle Peak Rd., Pascoag, RI
02859
Priscilla Beck, Natl. Dir.

District of Columbia Area

POTOMAC BRANCH

4th Sunday, 2:00 p.m.,
Sherwood Hall Library,
1205 Sherwood Hall Lane,
Alexandria, VA
Maxine Zinman, Pres.
Rte 1, Box 73, Boyce, VA 22620
Linda Record, Natl. Dir.

Florida

JACKSONVILLE BRANCH

3rd Monday, 7:30 p.m.
Agricultural Ctr.,
1010 North McDuff Ave.
Ed Harrell, Pres.
1628 Broward Rd.,
Jacksonville, FL 32218
Mary Harrell, Natl. Dir.

MIAMI BRANCH

4th Tuesday, 8:00 p.m.
Simpson Memorial Garden
Center
55 South West 17th Road,
Miami, Florida
Maybelle Green, Pres.
13940 Harrison St.,
Miami, FL 33176
Charles J. Jaros, Natl. Dir.

PALM BEACHES BRANCH

2nd Monday, Mounts
Horticultural Learning Center,
531 N. Military Trail,
West Palm Beach
Edwin F. Maley, Pres.
1365 Redpine Trail, West
Palm Beach, FL 33411
Helene Jaros, Natl. Dir.

TAMPA BAY AREA BRANCH

3rd Thursday, 7:00 p.m.
North Tampa Comm. Center
N. 11th St. & E. Seward,
Tampa
Mary Breit, Pres.
2713 N. B St., Tampa, FL 33609
Marie Van Etten, Natl. Dir.

Illinois

GREATER CHICAGO AREA BRANCH

4th Sunday, except Dec., 2 p.m.
Oak Park Conservatory
561 Garfield, Oak Park, Ill.
Mary Weinberg, Pres.
1527 W. Highland Ave.,
Chicago, IL 60660
Virginia Beatty, Natl. Dir.

Massachusetts

BUXTON BRANCH

3rd Saturday, Mass. Bay
Community College,
Richard Spencer, Pres.

323 Cambridge St.,
Burlington, MA 01803
Rosemary Norton, Natl. Dir.

Minnesota

MINNESOTA BRANCH

2nd Wednesday, 7:30 p.m.
Homes of members
Glady's Olmsted, Pres.
1840 Eighth St., Elk River,
MN 55330
Thelma Adair, Natl. Dir.

New Jersey

ELSA FORT BRANCH

Helen Green, Pres.
2100 Hunter St., Cinnaminson,
NJ 08077
Glady's Cooper, Natl. Dir.

New York

EASTERN NEW YORK BRANCH

Herbert E. Spearburg, Pres.
75 Swaggertown Rd., Scotia,
NY 12302

HAMPTON BRANCH

2nd Monday, 7:45 p.m., Parrish
Memorial Hall, Southampton,
NY

Ed Thompson, Pres.
310-A Hill St., Southampton,
N.Y. 11968

Mary Burnaford, Natl. Dir.

KNICKERBOCKER BRANCH

2nd Tuesday, 7:30 p.m.,
Horticultural Society of New
York
128 West 58th St., New York,
N.Y.

Barbara Berg, Pres.
16 Highview Ter.,
New Canaan, CT 06840
Howard Berg, Natl. Dir.

LONG ISLAND BRANCH

2nd Wednesday, 8:00 p.m.
Planting Fields Arboretum
Oyster Bay, Long Island, N.Y.
Mrs. Martha Graham, Pres.
55 Duryea Rd., Melville,
NY 11746
Marie Donnelly, Natl. Dir.

Ohio

GREATER CINCINNATI BRANCH

Verda Stull, Pres.
5 Burnham St., Cincinnati, OH
45218
Erich Steiniger, Natl. Dir.

Oklahoma

FRED A. BARKLEY BRANCH

1st Sunday, 2:30 p.m.
Huey Long Community Center,
Del City, Okla.
Mrs. Louie Sullivan, Pres.
118 E. Myrtle Dr.,
Midwest City, OK 73110
Ruth Wills, Natl. Dir.

Pennsylvania

EDNA STEWART PITTSBURGH BRANCH

3rd Wednesday, 7:30 p.m.
Pittsburgh Civic
Garden Center
Suzanne Colaizzi, Pres.
115 Lillian Rd., Pittsburgh,
PA 15237
Frank Kerin, Natl. Dir.

WESTERN PENNSYLVANIA BRANCH

2nd Wednesday, 11 a.m.
Ricardo's Restaurant,
Butler, Penn.
Antoinette Ponteri, Pres.
407 Canterbury Trail, Mars, PA
16046

WILLIAM PENN BRANCH

4th Tuesday, noon, Homes of
members
Mrs. Jacques Leroux, Pres.
Dove Lake House, Gladwyne,
PA 19035
Mrs. Lancelot Sims, Natl. Dir.

Rhode Island

ROGER WILLIAMS BRANCH

3rd Monday night. Homes
of members.
Arline Peck, Pres. & Natl. Dir.
Eagle Peak Rd., RFD #1,
Box 478, Pascoag, RI 02859

Southwest

SOUTHWEST REGION

Tamsin Boardman, Dir.
Box 249, Roanoke,
TX 76262

Texas

ASTRO BRANCH

Gloria Quinn, Pres.
234 Tallant Dr., Houston
TX 77076

COASTAL BEND BEGONIA SOCIETY

Helen Gonzales, Pres.
Rt. 1, Box 103, Taft, TX 78390

DALLAS AREA BRANCH

Dorothy Patrick, Pres.
and Natl. Dir.
1023 Elmdale, Dallas, TX 75224

HOUSTON TEXAS BRANCH

4th Monday, 10:30 a.m., Garden
Center, 1500 Herman Dr.,
Houston, Tex.
Nancy Blakeman, Pres.
11838 Bayhurst, Houston, TX
77024
Mrs. Grant Herzog, Natl. Dir.

MAE BLANTON BRANCH

4th Wednesday, 9:30 a.m.
Homes of members
May McKnight, Pres.
908 Live Oak,
Denton, TX 76201
Glennis Crouch, Natl. Dir.

Washington

EASTSIDE BEGONIA BRANCH

4th Wednesday, 7:30 p.m.
590 116th Avenue N.E.,
Bellevue, Wash.
Lewis VanderCook, Pres.
12671 SE 161st St.,
Renton, WA 98055

SEATTLE BRANCH

3rd Tuesday, 7:30 p.m., Bethany
Lutheran Church, 7400
Woodlawn Ave., N.E.
Anton Soder, Larry Fullner,
Robert McCarter, Co-Presidents
Phyllis Wright, Natl. Dir.

SOUTH SEATTLE BRANCH

4th Tuesday, 7:30 p.m.,
Wm. Moshier Field House
430 S. 156th St., Seattle
Joanne Slosser, Pres.
16419 3rd Ave., S.W., Seattle,
WA 98165
Shel Fisher, Natl. Dir.

The Frosts (from page 127)

Another fairly new hybrid from Goldie, exciting in size, shape, and texture, is *B. 'Estrada'*. The brilliant green 12 to 16 inch leaves are bubbly and hairy, with large heavy white blooms. Here too, *B. carrieae* makes itself evident. The size and flair of the deeply cleft leaves reflect the other parent, *B. carolineifolia*.

On a different scale is the petite *B. 'Pink Parasol'*, a delightful semituberous hybrid (*B. sutherlandii* x *B. partita*) which makes a gorgeous basket covered with bright pink blooms. It grows much denser and more compact than *B. 'Lulandii'*, with sturdier foliage and much more brilliant color.

Doug and Goldie Frost have contributed much behind the scenes work. Perhaps the

most important is their continuing effort to see that old and new species begonias are kept in cultivation and made available to all. The Frosts continually set seed on all species they can, and have been, over the past few years, one of the major contributors to the ABS Seed Fund. Through writing and speaking they constantly urge others to also join in this most important task, by also setting and contributing seed. They grow hundreds of species seedlings and see that they are distributed.

There is in Doug and Goldie Frost, a special quality: It is their own deep love for the American Begonia Society that has reached out and touched so many. They represent all that the ABS Aims and Purposes state.

Show Classification & Entries Chairman Pat Maley
7384 Whiteoak Dr., Placerville, CA 95667
Slide Librarian Dan Haseltine
6950 W. Nelson St., Chicago, IL 60634
Speakers Bureau Director Muriel Perz
2141 W 29th St., Long Beach, CA 90801

ABS SERVICES

These services are available to all ABS members. For names and address of department heads and other officers, see inside front cover. Include a self-addressed, stamped envelope when you write.

AT-LARGE MEMBERS—Services for members who don't belong to branches are handled by the members-at-large director. Contact her for details. If you are interested in finding a branch or starting one in your area, contact the branch relations director for help.

THE BEGONIAN—The journal of the society publishes how-to articles, scientific information, and ABS news. Articles on a member's personal experiences with begonias are welcomed, as are black-and-white photos of begonias and color slides suitable for use on the cover. Contact the editor.

BEGONIAN BACK ISSUES—Individual copies of *The Begonian* more than a year old are available from the back issues sales chairman (75 cents). A full year is \$6.50 for any year in the 1940s. \$5 for any year from 1950 through 1980. Back issues less than a year old are ordered from the membership secretary for \$2 each.

BOOKSTORE—Books on begonias and related subjects can be purchased mail-order from the bookstore manager. Contact her for a list of books available. The bookstore also sells reproductions of antique begonia prints and other items.

JUDGING DEPARTMENT—The judging department offers a course by mail with which you can learn to become an accredited begonia show judge (\$8). Also available are a booklet on point scoring (\$1.25), information on fuchsia and fern judging, and other requirements to become a judge. Add \$1 postage and handling to all orders and 6% tax for California residents.

LIBRARY—Books about begonias and gardening may be borrowed by mail from the lending library. Contact the librarian for a list of books and the procedure.

NOMENCLATURE—The nomenclature department monitors newly published findings on begonia names as well as handling official international registration of new begonia cultivars. Registrations are published in *The Begonian*.

QUESTION BOX—Send begonia-growing questions to Mabel Corwin, 1119 Loma Vista Way, Vista, CA 92083. You'll get a prompt answer and Mabel will use questions of general interest in her *Begonian* column.

RESEARCH—The research department conducts projects periodically. The department also has other activities, including the review of requests for ABS backing of outside projects. For details, contact the director.

ROUND ROBINS—Members exchange information about begonias and their culture through a packet of letters which circulates among a small group of growers. There are dozens of these packets—called flights—on many specialized subjects. To join one or more, contact the round robin director.

SEED FUND—The Clayton M. Kelly Seed Fund offers seeds of begonia species and cultivars by mail. New offerings are listed in *The Begonian*. Donations of seed are encouraged. Please contact the seed fund director.

SLIDE LIBRARY—A series of slide shows on begonias and begonia growing can be borrowed by mail for showing at meetings and seminars. New shows are under preparation. Contact the slide librarian for fee information.

SPEAKERS BUREAU—The speakers bureau maintains a directory of speakers on begonias and related subjects. Contact the director.

Don't miss an issue . . .

Check address label.

If your membership expires within 3 months, renew today. Send to:

Elisabeth Sayers, membership secretary
369 Ridge Vista Ave.
San Jose, CA 95127

ABS Board of Directors Meetings

Fullerton Savings & Loan
Community Room
2310 E. Lincoln Ave., Anaheim
7:30 p.m.

Tues., Sept. 20	Mon., March 19
Wed., Nov. 9	Mon., May 21
Mon., Jan. 16	Mon., July 16

ANTONELLI BROTHERS
 2545 Capitola Road
 SANTA CRUZ, CALIFORNIA 95060
22-page color catalog \$1.00

BEGONIAS
REX BEGONIA SEED
RUDOLF ZIESENHENNE
 \$1.00 per pkt plus 20¢ postage
 Calif. residents add 6% Sales Tax
 1130 NORTH MILPAS STREET
 SANTA BARBARA, CALIFORNIA 93103

BEGONIAS, GERANIUMS, EXOTICS
FERNS, OXALIS, CACTI, HERBS
 New 1982-84 Catalog With More Color—\$2.50
LOGEE'S GREENHOUSES
 Celebrating Our 90th Year
 Dept. B, 55 North St., Danielson, CT 06239

Kartuz Greenhouses, Inc.
 1408 Sunset Dr., Vista, CA 92083
 (619) 941-3613
Open every day—9 a.m. to 5 p.m.
 Begonias, gesneriads, orchids, tropicals,
 including our exclusive introductions.
 Color catalog \$1.00.

American Begonia Society
 369 Ridge Vista Ave.
 San Jose, CA 95127

Address correction requested

SPOONIT[®]

"GETS THINGS GROWING!"

Gives exceptionally fast results when used on flowers, ferns, shrubs, trees and lawns. May be used for foliar feeding.



get 1 lb. for
\$4.00 pp
 from
PLANTSMITH
 1924 Plymouth St.
 Mountain View CA 94043

"Schultz-Instant" LIQUID PLANT FOOD

ULTRA PURE CONCENTRATED ALL PURPOSE

EASY DIRECTIONS

"Just put a little Schultz in the water. Everytime you water, Everything you grow."

Available at your store or send \$1.65 for 5 1/2 oz., \$2.90 for 12 oz., \$4.20 for 28 oz. (Includes Mailing.)



"Schultz-Instant" Fertilizer

ULTRA PURE CONCENTRATED ALL PURPOSE SOLUBLE

EASY DIRECTIONS

"Just put a little Schultz in the water. Everytime you water, Everything you grow."

Available at your store or send \$2.90 for 1 lb., \$10.50 for 5 lb., \$39.50 for 25 lb. (Includes Mailing.)

©1981 A.Y. Schultz - By the makers of "Plant Shine"
 Mfg. by SCHULTZ CO., St. Louis, MO 63043 U.S.A.



Non Profit Org.
 U.S. POSTAGE
PAID
 Permit No. 655
 South San Francisco, CA