

The BEGONIAN



JULY, 1971

Devoted to the Sheltered Garden

VOL. 39 NO. 7

BALLOT ENCLOSED



Begonia subnummularifolia

(See page 157)

GENERAL OFFICES

GENERAL OFFICES, dues, address changes, or magazines: Cliff Ebeling, Membership Secretary, 6157 Lime Avenue, Long Beach, California 90805.

Subscription: \$4.00 per year. Foreign (Mexico and Canada) \$4.50. U.S. (Mexico and Canada) 1st Class \$6.00. Foreign 1st Class \$6.50. U.S. Air Mail \$7.00. Pay in U.S. currency only.

Second Class Postage paid at Long Beach, California 90801.

ELECTED OFFICERS

President Mrs. Pearl Benell
10331 S. Colima Rd., Whittier, Calif. 90604
President Elect. Mrs. Margaret Taylor
111 Evelyn Avenue, Anaheim, Calif. 92805
Past President Mrs. Vera Naumann
346 N. Leland St., West Covina, Calif. 91790
Secretary Mrs. Irene Grannoll
1431 Coronado Terrace, L.A., Calif. 90026
Treasurer Walter J. Barnett
1213 Mullender Ave., W. Covina, Calif. 91790
Vice President 1 year James Somes
4849 W. 130th St., Hawthorne, Calif. 90260
Vice President 2 years John Provine
2415 Queensbury Rd., Pasadena, Calif. 91104
Vice President 3 years Mrs. Helen Matsubu
Route 1, Box 120, Fruitland, Idaho 83619

BEGONIAN STAFF

Editor Mrs. Mabel Anderson
16609 Cypress Street, Covina, Calif. 91722
Contributing Editors Mrs. Elda Haring
120 Cutler Road, Greenwich, Conn. 06830
Mrs. Helen Matsubu
Route 1, Box 120, Fruitland, Idaho 83619
Mrs. Hertha Benjamine . . . Mrs. Phyllis Wright
Advertising Manager. Miss Anne L. Rose
14036 E. Ramona Dr., Whittier, Calif. 90605

APPOINTED OFFICERS

Awards Chairman Mrs. Hazel Snodgrass
265 North Walnut Dr., Ventura, Calif. 93003
Business Manager Mrs. Virginia Barnett
1213 S. Mullender Ave., W. Covina, Ca. 91790
Historian Mrs. Edna Burkett
3341 Hedwig Rd., Los Alamitos, Calif. 90720
Judging Course Director . . . Mrs. Ruth Pease
8101 Vicksburg Avenue, L.A., Calif. 90045
Librarian Mrs. Lydia Austin
15329 Eastwood Ave., Lawndale, Calif. 90260

APPOINTED OFFICERS (Continued)

Membership Secretary Cliff Ebeling
6157 Lime Ave., Long Beach, Calif. 90805
Nomenclature Director . . . Rudolf Ziesenhonne
1130 N. Milpas, Santa Barbara, Calif. 93103
Parliamentarian Mrs. Margaret Loe
1852 31st Street, San Diego, Calif. 92102
"Begonia Boat" Editor Gene Daniels
Box 83, Camarillo, Calif. 93010
Research Director . . . M. Carleton L'Hommedieu
370 Locust Ave, Oakdale, L. Island, N.Y. 11769
Round Robin Director . . . Mrs. Anita Slickmon
Route 2, Box 99, Chenoey, Kansas 67025
Seed Fund Admin. Mrs. Florence Goe
234 Birch Street, Rosovillo, Calif. 95078
Show Chairman Everett Wright
838 B. N. Market St., Inglewood, Calif. 90302
Slide Librarian Mrs. Irene Grannoll
1431 Coronado Terrace, L.A. Calif. 90026
Public Relations Director . . Mrs. Martha Rader
10934 East Flory, Whittier, Calif. 90606
Northwestern P. R. Chairman . . Mrs. E. Fariss
17721 Bothell Wy, N.E., Seattle, Wash. 98155
Southern P. R. Chairman . . . Mrs. M. Sikkelee
3603 La Joya Drive, Dallas, Texas 75220
Northern Calif. P. R. Chairman . Mrs. J.H. Smith
2479 29th Ave., San Francisco, Calif. 94116
Northeastern P. R. Chairman . . F. Kingsbury
225 Lee Street, Brookline, Mass. 02146
Northeastern Co-Chairman . . . Mrs. V. Withee
Hill Farm Road, Coventry Cntr., R.I. 02817
Eastern P. R. Chairman Miss Lily C. Fine
1240 Carrol St., Brooklyn, N.Y. 11225
New Zealand P. R. Chairman. . Don Stephenson
56 Mortimer Terrace, Willington, C2, N.Z.

Views expressed in this magazine are not necessarily those of the Editors, the Society or its officers.

MEET YOUR CANDIDATES

President Elect: John Provine

John Provine is Head Nurseryman at the Los Angeles County Arboretum in Arcadia, California. He is a graduate of Cal Poly Pomona with a B.S. in Ornamental Horticulture. He is a member of the Southern California Horticulture Institute, California Arboretum Foundation and a member of and President of the San Gabriel Valley Branch of the ABS.

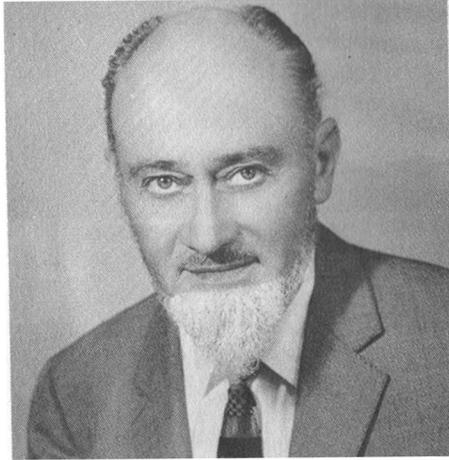


JACK GOLDING

Vice President three years:

Jack Golding is currently President of the Knickerbocker Branch of the ABS. His hobby is growing *Begonias* and companion plants under fluorescent lights. He is a charter member of the Metropolitan chapter of the Indoor Light Gardening Society. He has given talks

and demonstrations on *Begonias* and plant photography at his Branch and at the ILGSA.



FRED A. BARKLEY

Prof. Fred A. Barkley Ph.D. is currently Vice President of the Buxton Branch and is Professor of Biology and Curator of the Herbaria at Northeastern University, Boston. He has had a long and distinguished career since 1931 in the field of Biology, Botany and Bacteriology in a number of institutions in the United States and abroad. He is a member of a number of Botanical and Horticultural Societies and has published a large number of scientific papers. He has contributed research articles to The Begonian on *Begonia* leaves, trichomes and anatomy.

(Please turn page)

AIMS AND PURPOSES OF THE AMERICAN BEGONIA SOCIETY, INC.

The purpose of this Society shall be:

- 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* and companion plants;

- 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; and to bring into Friendly contact all who love and grow *Begonias*.



CHARLES A. RICHARDSON

Vice President one year:

Charles Richardson is a member and Past President of the Glendale Branch. He was Treasurer of the Board of Directors from 1952 to 1954. As a father, his chief interest has been in scouting and in boys organizations and also in growing *Begonias*.



MRS. IRENE GRANNELL

Secretary:

Mrs. Irene Granell has served as ABS Secretary since 1969. She has been a member of the Pacific and American Rose Societies for over twenty years and about eight years ago became interested in growing *Begonias*. She joined the Glendale Branch and has served in several offices for that Branch and is currently ABS Slide Librarian.

Treasurer:

Walter J. Barnett is currently Treasurer of the ABS and has served in that capacity since 1965. He is a Bookkeeper by profession and grows *Begonias* and companion plants as a hobby.

VOTING INSTRUCTIONS

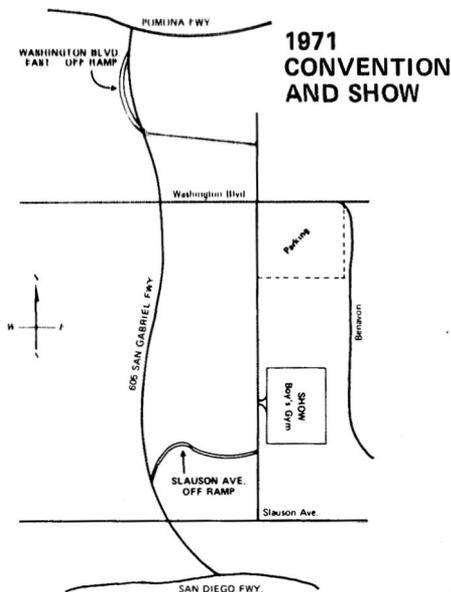
A ballot for the officers of the ABS is enclosed with this issue. Place a cross in the square opposite your choice and mail before midnight August 17, 1971. With the exception of Vice President three years, there is only one candidate. Please express your SUPPORT and CONFIDENCE in these officers by VOTING.

The ballot does not require a stamp, just detach and mail. DON'T WAIT! DO IT NOW!

NOTICE!!!

The ABS is in need of donations to the Trophy fund for the 1971 Begonia Show. Please help out by sending donations to:

Mr. Alan Foster
Trophy Chairman
12904 East Rose Drive
Whittier, California 90601



FROM SEED TO SEED — *B. subnummularifolia*

by Yvonne Wells, Mesquite, Texas

I must admit the first thoughts I had of growing *Begonias* from seed literally scared me to death. I never thought I could do it in a million years. My first attempt was unsuccessful. Insecurity I suppose, plus the fact that the seed I started with were difficult to germinate. I believe you truly have to want to grow from seed to be successful. You have to be determined because *Begonia* seed do take special care. *Begonia subnummularifolia* was my second attempt at growing from seed. It gave me the confidence I needed to keep trying . . . it came up! It was very fast to germinate, taking only two weeks. Its an easy *Begonia* whether from seed or otherwise. On my second try I really was interested in growing the seed offered in the Seed Fund as the picture was intriguing and I just had to have it! It is pictured and completely described in the June 1969 issue of The Begonian on page 134.

Most everyone knows that *Begonia* seed needs to be sown on a steril medium, free from harmful bacteria that can cause damp off so I planted my *B. subnummularifolia* seed in pure vermiculite. I had very good germination in two weeks. I planted them in a covered plastic box and put the box in a well lighted window. After a year, I put the little plantlets in a bubble bowl in my regular soil mix. They tripled in size and changed so much I couldn't believe they were the same little green specks I had planted a few months before. Through this I learned I should have transplanted them much sooner. Most experts say to transplant them when they have two sets of true leaves or when they are from one to two inches tall, but I hesitated as mine were so small.

I have learned since then that pure vermiculite isn't the best medium to use in planting seeds. Some like the Jiffy 7 peat pots, others the packaged mixes (which are already steril), I now prefer my regular potting mix which is equal parts of earthworm castings, (which is peat moss that earthworms have been grown in) or oakleaf mold, and vermiculite with a little crushed oyster shell for

needed lime. I put a small amount of this in the little butter tubs with the frosted covers, punch a few holes in the bottom and pour boiling water over them. I let them set for awhile to let them cool and the excess water to drain. This sterilizes the soil and is far less trouble than baking the soil in the oven. After sowing the seed, I put the lids on, put them in a large plastic box with damp vermiculite in the bottom, put the box lid on and place the box in a well lighted and warm exposure. In winter I set the box on top of my water heater for warmth as *Begonia* seed do not always require light to germinate. Fluorescent lights are the perfect way to grow *Begonia* seed as it provides the constant warmth and light needed for growth after germination. As I do not have a light set-up, I make do with what I have and have had good luck with my method.

If seed are grown in a closed container until transplanting time, they will need to be hardened off. This is done by easing the covers off a little each day until completely removed. If you plan to grow the plants in a bubble bowl or terrarium, there is no problem. Transplant them to the container in which they are to grow. I have always grown *B. subnummularifolia* in a covered bowl but I have heard that it grows equally well on a greenhouse bench. It may grow equally well on a window sill. It is a miniature plant so it should be a delightful addition to a window sill gardener's collection.

Begonia subnummularifolia propagates very easily. A leaf rooted for me in three days last summer! The leaves do not always root this fast but they do root quickly.

As the sketch shows, the flowers are very small but very abundant. This year I have had 24 or more flower spikes and it is still blooming in June. The flowers are a bright white on bright red peduncles so they really show up among the dark green leaves. The petioles are red and have short red hairs scattered over the

(Please turn page)

plant, petioles, rhizome, top and edges of the leaves. The sketch is of only a small portion of the plant to show the shape of the leaves and the hairs on the leaf edges, petioles and peduncles. There are 7 seed pods on this portion. I have crossed it with *B. versicolor* and *B. masoniana*. I have also selfed it and sent the seed to the Seed Fund in the hopes that all of you will want to grow this plant.

If by nature you are a patient person, then growing from seed is for you as it is a necessary ingredient and one which I had to acquire. As someone once said "Buckets of pollen, tons of seed". Growing from seed is fun!

WELCOME!

Congratulations are in order for the Monterey Bay Area Branch which officially became a member of the American Begonia Society family on May 24th, 1971. We would like to offer our sincere appreciation to those who put forth tremendous effort and long hours in the formation of this Branch. Enthusiasm and thirst for more *Begonia* knowledge was the force behind the formation of the Monterey Bay Area Branch.

The officers are: President, Leslie D. Hatfield; Vice President, Ashley D. Shaw; Secretary-Treasurer, Lt. Col. (Ret.) Frederick Bell Jr. and Representative Director to the ABS, Esther P. Ewoldsen.

Meetings are held on the 4th Wednesday of each month at 8 p.m. at the New Monterey Center, Lighthouse and Dickman Streets, New Monterey, California. For further information, contact the Secretary, Lt. Col. Frederick Bell Jr., P.O. Box 527, Pebble Beach, California 93953.

Martha Rader
Public Relations Director

There is no admission charge and the parking is free at the 39th Annual Begonia Show September 4th and 5th at the Pioneer High School in Whittier.

EASTERN REGIONAL BEGONIA CONVENTION

The Buxton Branch is hosting the 6th Annual Eastern Regional American Begonia Society Convention and Show, October 8th and 9th at the Sheridan-Lexington Motor Inn at historic Lexington, Massachusetts.

Mrs. Belva Kusler, Dr. L. C. Smith, Mr. Rudolf Ziesenne, Prof. Harriet Creighton, Mrs. Joy Logee Martin, Mr. M. Carleton L'Hommedieu and Mr. Jack Golding are among those who have consented to talk at the convention.

The greenhouses of Wellesley College and Northeastern University will be visited.

Mr. Lester H. Fox is Chairman of the Show Committee and Prof. Fred A. Barkley is Chairman of the Convention Committee.

For further information and for registration forms contact the Registration Chairman: Mrs. Marvin Campbell, 37 Moore Rd., Wayland, Mass. 01773.

Mrs. Raymond C. Cronin
President, Buxton Branch

IN MEMORIAM

It is with deep regret that we announce the passing of these members who left this world a little better for their brief sojourn on this earth. They will be missed by their many friends and associates.

April 12, 1971 Maynette S. Hodgins
Member of the San Miguel Branch

April 15, 1971 J. Paul Walker
Member of the Long Beach Parent Chapter
Charter member of the A.B.S.

April 30, 1971 Mrs. Anna A. Ward
Charter member of the Foothill Branch

A subscription to "The Begonian" would make a nice Birthday gift or a Gift for any occasion.

39th ANNUAL AMERICAN BEGONIA SOCIETY SHOW

A World of Shade Plants

Everett Wright, Show Chairman and Gene Daniels, Co-Chairman and their show committee have been hard at work for several months planning the Annual ABS Begonia Show. Some of their better-than-ever show ideas include pre-registration of entries, actual registration and classification of entries September 2nd and 3rd and open to the public all day the 4th and 5th. Mrs. Hazel Snodgrass, Awards Chairman, will announce the show winners at the banquet Saturday evening. Interesting seminars will be held Saturday and Sunday.

Exhibitors will be happy to learn that three new divisions have been added to the show schedule. These divisions will be combined sections, which means novice growers and growers compete together. These divisions are:

Division 1 — Species. While this Division has been broken down to classes such as cane-like and shrub-like, exhibitors will also be able to enter their species in all other *Begonia* divisions. The Inglewood Branch Memorial Perpetual trophy will be awarded to the Best Species in this division.

Division J — *Begonias* grown in a Contained Atmosphere. Plants grown in this manner may not be entered in other *Begonia* divisions with the exception of New Introductions where scoring of New Introductions applies to all plants entered regardless of container. The San Gabriel Valley Branch Perpetual trophy will be awarded for this division.

Division M — Junior Division. This division is for 18 year olds and under. The division trophy will not be eligible for the Best Begonia in Show trophy. Any individual 18 years old or under wishing to compete for the Best Begonia in Show trophy may enter the eligible *Begonia* division. There will be two classes in this division: *Begonias* and Other Shade Plants. Junior Achievement Awards will be given to all blue ribbon winners in this division.

In addition to the Junior Division, the Show Committee rearranged the di-

vision for Educational Displays to encourage the younger generation to participate. Classes will be: Branch Entry (*Begonias*); Student Entry (*Begonias* — Topical Display). All entries are limited to tables.

When it comes to plants, there is no generation gap. There is only an interest in growing, enjoying and sharing . . . all benefits. The 1971 Show Schedule, Rules and lists of Perpetual and Challenge Trophies appears elsewhere in this issue. Please read it carefully.

Pre-registration forms may be obtained from Mrs. Cecelia Grivich, Registration and Classification Chairman, 2808 South Baldwin Avenue, Arcadia, California 91600 or from any other member of the Show Committee. These forms may be completed at home by following the Show Schedule. Any plants that you may wish to add or take away may be taken care of at the time of actual registration and classification at the show. Having these forms completed before you enter your plants in the show will expedite the process and give you time to lend a hand at the show itself. Extra help is always needed.

Scoring cards following the Point Scoring System for Judging *Begonias* booklet, and procedures, outlined in the ABS Judges Course, will be used for Divisions, Perpetual and Challenge trophy awards.

Attention is called to rule 24: "All Perpetual Trophies and those Challenge Trophies not retired, must be returned to the Show Chairman 4 weeks prior to the next ABS Show". Winners of last years show, please return such trophies to the Chairman by August 6, 1971.

The Show Committee extends an invitation to each and every one to enter the show, to attend the show and to participate in the show activities. The place: Pioneer High School, 1080 Benavon Ave., Whittier, California.

Ruth Pease,
Judging Course Director
Member Show Committee

A NEW BEGONIA FROM TRINIDAD

by Rudolf Ziesenhenné, *Nomenclature Director*



Begonia mauricei, Royal Botanic Gardens, Edinburgh

Photo by Fred Ziesenhenné

When I visited the Royal Botanic Garden in Edinburgh in 1969, I was privileged to enter the growing glasshouse not open for public viewing. I was much impressed by an attractive *Begonia* which looked as though it were made of plastic with thick green leaves, rather trough-like, with the leaf edges curved up and the leaves positioned in an upright slant. It really did not look like a *Begonia* but it was in flower and the tell-tale *Begonia* flowers were open, white and large for a *Begonia* species. Some flowers peeked out from among the lower leaves. The label in the pot read "M 64. No. 89 Trinidad. 3109 Mason". I am very much indebted to Dr. H. R. Fletcher, Regius

Keeper of the Royal Botanic Garden at Edinburgh, who last year sent me a cutting of this plant which, thriving under Southern California light, are pinkish colored on the backs of the sepals.

The most unusual feature of this *Begonia* is that it produces male flowers on the tips of the taller stems in clusters of six and the female flowers singly from a different leaf axil. It is unlike any other American *Begonia* and does not fit any sub-genera. It is most closely related to the African section *Fusibegonia* Wbg. with *Begonia mannii* Hook f. because of its stem-like fruits.

Mr. Maurice Mason of Kings Lynn, England, reports that he collected this

Begonia, to which he gave his collection number 3109, on the small island of Trinidad off the coast of Venezuela at 500 feet above sea level. It was collected at the side of the one road which runs diagonally across the island. Mr. Mason says, "It was growing as *Begonias* normally do on a small cliff-side with little other vegetation".

Because this plant does not fit any sub-genera (or section), I propose the following new section for this species:

Begonia section *Irmschera* Ziesenh. new section. Perennial herb. Stem erect. Leaves pinnately nerved. Inflorescence cymose. Male flower tepals 4; stamens about 18; filaments free; anthers wedge-shaped, longer than the filaments. Female flower tepals 4, styles 4, tip two-divided, stigmatic papillae makes a band encircling the style arm by making one complete turn; ovary 4-celled; two placentas, not divided, in each cell; seeds produced on both sides; fruit fleshy, finally ripening and falling apart, spindle-shaped, slightly 4-sided, several times longer than broad; wings none, ridges none.

One species *B. mauricet* Zies. Mason No. 3109 is the type of this section. Trinidad.

Following the established tradition of naming sections for botanists, I am naming this section for the late Professor Dr. Edgar Irmscher of Germany who made a life long study of the *Begoniaceae*. I am deeply indebted to him for his valuable guidance and aid in my taxonomic endeavor.

The new *Begonia* section *Irmschera* is most closely related to the African section *Fusibegonia* Wbg, with 4 male tepals, filaments united, 4 tepals in the female flower, and 3 styles.

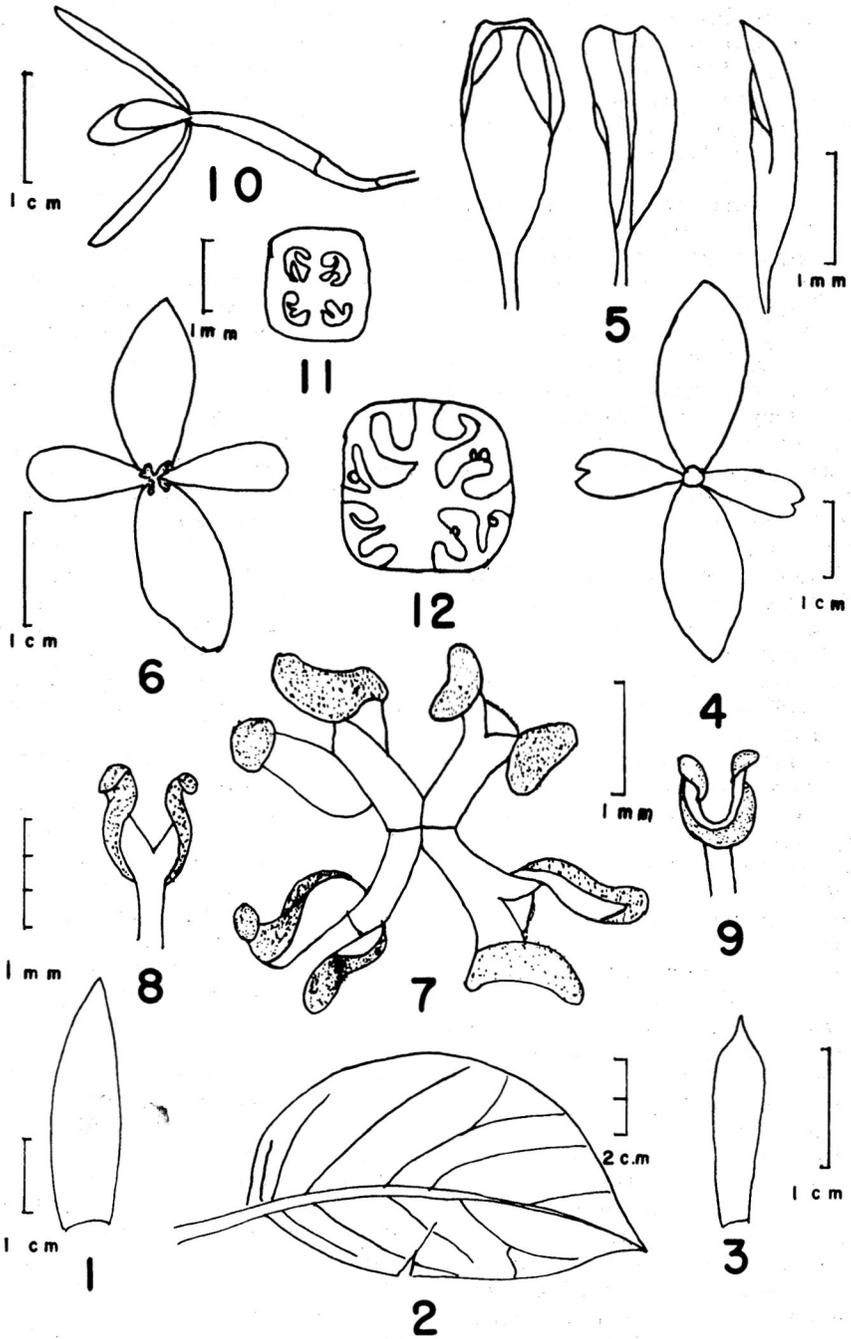
Section *Irmschera* Zies. differs from the American *Begonia* sections having 4-celled seed pods such as *Plurilobaria* A. DC. which has 6 to 7 female tepals, 4 to 5 styles, 4 to 5 celled fruit and 4 to 5 wings; *Hydristyles* A. DC. with 2 to 4 tepals in the male flower, 5 tepals in female flower, 3 to 4 celled fruit, capsule with 3 to 4 wings; *Tetrachia* Brade with 2 tepals in the male flowers, 6 tepals in the female flower, 4 styles, 4 celled fruit, 4 winged capsule; by having a fleshy fruit which ultimately ripens and falls apart, having 4 celled ovary with each cell having

two separate placentas in each, arising on a separate interior cell wall and producing seeds on both surfaces of each placenta, by having no wings, by having four styles which are quickly shed, by the male and female flowers each having 4 tepals, by having filaments which are free, and by having a fruit which is not dehiscent.

.....

Begonia section *Irmschera* Ziesenh. *mauricei* Ziesenh. new species. Herbaceous perennial, erect, base woody, not swollen, 14 inches tall, ¼ inch in diameter, branching, entirely clothed with leaves; internodes ½ – 1½ inches long, shiny, smooth, green, lenticles very few and confined to the upper area immediately adjacent to the node; at the growing tips on the outside of the stipules, on the petioles and the top of the leaves, and on the backs of the sepals is present a tannish coloring, caused by a very thin tannish tissue, dried, which is made up of fine veins the tissue splitting into tiny pieces .3 mm in diameter and, as the plant parts grow, these pieces, appearing to be affixed to one or a few cells of the epidermis, persist but become widely spaced and minute on the older plant parts, and are only visible with the aid of a magnifying glass: stipules (figure 1) drying quickly, narrow, long egg-shaped, tip terminating to a point, margin even, 1-3/8 inches long, 3/8 inch wide, dull; petioles round 1/8 inch in diameter, 1 to 1-3/4 inches long, reddish; leaf thick, plastic-like, curving upward from the mid-rib to make a trough, the tip curving downward, leaves (figure 2) near top of the stem standing pointing upward, above Scheele green 860/2 (Royal Horticultural Society Color Chart), shiny, nerves raised, below lighter green, smooth, dull, nerves again protruding, bare: unequal elliptical, the tissue outside the mid-rib being wider, acuminate, base wedge-shaped, margin undulate, even, 3½ to 5¼ inches long, 2-3/8 to 3 inches wide; pinnately nerved, mid-rib curved toward the inside, outside 6 main nerves, inside 5 main nerves, secondary nerves arising from the mid-rib alternately: inflorescence cymose, few flowered, male flowers 6 on a peduncle 7/8 to 1½ inches long, 1/16 in diameter, pedicels 7/8 inch long, 1/16 inch in

(Please turn page)



Begonia mauricei Zies.

diameter; bracts falling quickly, pale light green, u-curved the full length, narrow inverted egg-shaped, tip blunt with a point, 1 inch long, 3/8 inch wide; male tepals 4, (figure 4) white, outside ones narrow elliptical blunt, even, 1-1/16 inches long, 1/2 inch wide; interior 2 narrow inverted egg-shaped, cupped at the outer end, blunt, 9/16 inch long, 1/4 inch wide; stamens 18, filaments free, shorter than the anthers, anthers (figure 5) 3/16 inch long, wedge-shaped, connective not noticeable, tip curved forward: female flower produced singly on a separate peduncle 3/4 inch, long, at a different node than the male, pedicel 1/2 inch long, bracts (figure 3) only primary ones produced, quickly falling, pale light green, u-curved lengthwise, narrow inverted egg-shaped, tip blunt with a point, 3/4 inch long, 1/4 inch wide; female flower tepals 4 (figure 6), white, outside pinkish, exterior 2 narrow elliptical, blunt, even, 5/8 inch long, 1/4 inch wide, interior 2 inverted egg-shaped, blunt, even, tip area cupped, 3/8 inch long and 1/4 inch wide; styles (figure 7) base slightly united, falling with the tepals if the flower is not fertilized, otherwise soon after being fertilized, stem 1 mm long, 2 long divided arms, stigma papillae (figures 8 and 9) band makes 1 complete circle around each arm; fruit (figure 10) 1-3/8 inches long, 3/16 inch in diameter, spindle shaped, slightly 4 sided (figure 11) ends cut off, green; wings none, ridges none, ovary 4 celled (figure 12 pictures a cross section of an immature fruit), placentas 2 arising one on each inside wall, not divided, seed present, arising on both sides.

The type specimen is Mason No. 3109. Trinidad. The type specimen is in the herbarium of Rudolf Ziesenhenné, 1130 North Milpas Street, Santa Barbara, California.

This *Begonia* is named for Mr. L. Maurice Mason of England, the collector of this plant, a most generous plant explorer who has enriched numerous botanical gardens of the world with plants he has collected in many parts of the tropics.

LATIN DIAGNOSIS

Begonia (sectio *Irmschera* Ziesenh.) **mauricei** Ziesenh. spec. nov. Flores masculinis tepalis 4, staminibus ca. 18, filamentis liberis breviter antheris, antheris cuneatis. Flores femineis tepalis 4, stylis 4, deciduis, bifidis, stigmatibus continuis

in speris 1 utrumque ramo; ovario 4-loculato, fusiformi leviter quatuor-lateribus, 6-7 longiora quam latiora, placentis 2 non partatis undique ovuliferis. Herba erecta, fruticosa, foliis pinnatinervis. Species una. Typo Mr. Maurice Mason No. 3109. Trinidad.

Begonia (sectio *Irmschera* Ziesenh.) **mauricei** Ziesenh. spec. nov. Herba perennis: caule persistente, erecto elliptico, ligneo, 35 cm. alto 6 mm. crasso, omnino foliato; internodiis 1.3 cm. — 3.7 cm. longibus, nitidibus, laevibus, lentacellis paucis; stipulis decubibus, ovatis anguste, apice acutis, marginibus integris, 3-5 cm. longis, 1.5 latis, obscuris; petolis teretibus, 2.5 cm. — 4.5 cm. longis, 3 mm. crassis; foliis similis platicibus, crassis, supra viridis Scheeleanis (860/2 Royal Horticultural Society Color Chart) nitidis, nervis elevatis, subtis laevis, nervis elevatis, glabris; ellipticus inaequalibus, acuminatis, basi cunatis, margine dorsum curvatis, integris, undulatis 9-13.3 cm. longis, 6-7.6 cm. latis; pinnatinervis, extus 6 venis, intus 5 nervis: inflorescentia cymosa, pauciflora; floribus masculinis 6 in pedunculo; 2.2 cm. — 3.8 cm. longis, 1.5 mm. crassis; pedicellis 1.2 cm. longis, 1.5 mm. crassis; bracteis deciduis, ovatis anguste, obtusis cum acumine, 2.5 cm. longis, 1 cm. latis; tepalis masculinis 4, albis, exterioribus 2 ellipticis anguste, obtusis, 2.7 cm. longis, 1.3 cm. latis, interioribus 2 obovatis anguste, apice cupulata, obtusis, 1.5 cm. longis, .6 cm. latis; staminibus 18, filamentis liberis, brevibus antheris, cuneatis, connectivo non producto; apice prorsum curvis: inflorescentia floribus feminis solitaris in separatis pedunculo 1.9 cm. longis in dissimilibus axillis; bracteis deciduis ovatis anguste, obtusis cum acumine, 2 cm. longis, .6 cm. latis; pedicellis feminis 1.35 cm. longis; tepalis femineis 4, albis, 2 exterioribus ellipticis anguste, obtusis 1.6 cm. longis, 6 cm. latis; interioribus 2, obovatis anguste, apice cupulata, obtusis 1 cm. longis, .6 cm. latis; stylis 4, deciduis celeriter, ad basis haud connatis, 1 mm. longis, bifidis, stigmatibus extus in speris 1 convolutis; frutificatione carnosa 3.5 cm. longa, .5 cm. lata, fusiformi, lateribus leviter quatuor, non crista, non ala; ovario 4 — cellularis, placentis 2 non devisa, undique ovuliferis. Typo Mr. Maurice Mason No. 3109. Trinidad.

BEGONIA BASICS

for Beginners

by Elda Haring, *Greenwich, Connecticut*



Double-deck Plant Stands in cellar

Photo by Walter Haring

Growing *Begonias* under fluorescent lights is both a rewarding and fascinating experience. Besides taking care of an over flow of plants that *Begonia* enthusiasts just cannot resist adding to their collection, fluorescent lights are a boon to the apartment grower and to those who live in sections of the country where the sun is so bright most of the year that drapes must be kept pulled keeping the living areas in rather dim light. If your rooms are inclined to be naturally on the dark side with the light at the windows insufficient to grow a compact plant, or there is insufficient light to encourage bloom, a fluorescent light will solve the problem. There are many decorative plant carts on the market for enthusiasts who can afford them. For those whose budgets do not permit such an expense, handyman husbands enjoy the challenge of lighting a shelf or niche for you. If you are one of those women who are mechanical minded, no greater satisfaction is known than putting your ingenuity to work to build an attractive light shelf. Our own basement double-deck benches, shown in the photo above, were construct-

ed of rough lumber and lighted with four, four foot commercial fixtures and have the same growing capability but are not as decorative as the table lamp or the Sylvania Bowl shown in the photograph.



B. 'Aries' — Sylvania Sun Bowl

Photo by Walter Haring

(CONTINUED ON PAGE 171)

RULES FOR THE 39th ANNUAL SHOW

1. The Show Chairman shall have complete charge of all exhibits from the opening to the close of the Show.

2. Competition is open to all who wish to enter. However, only ABS members are eligible to compete for the Perpetual and Challenge Trophies.

3. There will be no exhibitor's fee.

4. All competitive entries must be RECEIVED no later than 9:00 a.m., September 3. An entry received after this time will be eligible only for non-competitive exhibition. Entries may be made Thursday, September 2, 10:00 a.m. to 10:00 p.m. and Friday, September 3, 7:00 a.m. to 9:00 a.m. Judging starts 10:00 a.m., Friday, September 3.

5. All entries must be checked with the Classification Committee before registration. Competitive entries must be made according to the Show Schedule or be disqualified.

6. There will be two competitive sections in most Divisions. These are Novice Grower and Grower. A Novice Grower is one who is entering this show for the first time. Each exhibitor will compete in his own section except for Best in Show, certain Specific Awards, and Divisions where Novice Grower and Grower Sections are combined.

7. An exhibitor may enter more than one plant in any Class provided each plant is of a different variety. However, each entry may compete in only one Class.

8. All entries exhibited in competitive Classes must have been grown by the exhibitor and have been in his possession at least three months prior to the Show. Arrangements and Corsages excepted.

9. Containers and plants must be clean and neat. The Show Chairman shall have the right to exclude, refuse or remove any diseased, infected or unsightly exhibits.

10. All plants should be clearly labeled. Errors will not disqualify, but judges will recognize correctness in close competition. Synonymous names are acceptable.

11. No artificial plant material may be entered in any Class or Division, including the Arrangements and Corsages Division.

12. Exhibitors may not place their plants except under the direction of the Placement Committee. Exhibitors in collection Divisions are responsible for the arrangement of their entries.

13. The Show Chairman shall assume complete charge at the start of judging, and no

person will be allowed to interfere with the judges. Only the Show Chairman and personnel authorized by him, will be permitted in the Show during judging.

14. No exhibitor or judge may change the Class of an entry without the consent of the Show Chairman where warranted.

15. Entry cards must remain sealed until the Show Chairman declares all judging complete.

16. The judges shall make awards according to merit only. If the entry is without merit, the judges shall make no award regardless of the number of entries in the Class.

17. Only entries receiving first place Class awards may be considered for Division Trophies.

18. The judges may use only the Point Scoring System as approved by the ABS.

19. All *Begonia* entries must receive 85 points to be eligible for Division, Perpetual or Challenge Trophies.

20. A sweepstakes Trophy will be awarded in each section to the exhibitor with the most blue ribbons in *Begonia* Divisions. Second and third place ribbons will be counted only in case of a tie, on the basis of two points for each second place and one point for each third place.

21. The judges' decision will be final for all awards. If the Show Chairman determines that according to good common judging practices a gross injustice has occurred, it shall be the duty of the Show Chairman to have the questioned exhibit reviewed by a board comprised of all the other judges.

22. The ABS will exercise due caution in safeguarding exhibits but will not be responsible for loss or damage to the property of an exhibitor. Exhibitors are responsible for watering and other care of their entries.

23. No exhibit or award may be removed before the end of the Show without the consent of the Show Chairman. Any violation of this rule may result in forfeiture of any or all awards.

24. All Perpetual Trophies and those Challenge Trophies not retired must be returned to the Show Chairman four weeks prior to the next ABS Show.

25. All Perpetual and Challenge Trophies will remain in the possession of the Show Chairman for engraving immediately after the Show. Trophies will be engraved as soon as practical and made available to the winners.

1971 SHOW SCHEDULE OF THE

A WORLD OF SHADE PLANTS

The basic Class is for the potted plant. Additional Classes will be created for the following types of containers:

- H — hanging container — any container equipped with hanging wires; hung or not.
- W — wall pocket — any container equipped for hanging on a wall.
- P — totem pole — moisture retentive single column to which the plant is affixed.
- T — trellis — wooden framework to which plants have been trained and grown.
- N — novel — method of training or growing or natural container. This includes man-made containers.

DIVISION A — CANE-LIKE

Class

1. Superba type as *B. sceptrum*, B. 'Superba Azela'
2. Mallet type as B. 'Tingley Mallet', B. 'Arthur Mallet', B. 'Faustine' (green)

All Other Canes:

3. Low canes (under 2')
4. Medium canes (2' to 4')
5. Tall canes (over 4')
6. Trailing as B. 'Florence Carrell', *B. limmingheana*

DIVISION B — SHRUB-LIKE

Large Leaved (Bare Leaved):

Class

1. As B. 'Dorothy Grant', B. 'Braemar', *B. caraguatubensis*
2. Fleshy stemmed as B. 'Phyllomaniaca', B. 'Paul Bruant', B. 'Gilsonii'

Medium Leaved (Bare Leaved):

3. As B. 'Thurstonii', B. 'Credneri', *B. odorata*
4. Quite fleshy stemmed as *B. ulmifolia*, *B. parilis*, *B. scabrida*

Small Leaved (Bare Leaved):

5. Acuminata type as B. 'Catalina', B. 'Richmondensis', B. 'Rutherfordiana'
6. Other than acuminata type as *B. foliosa*, *B. fuchsoides*, B. 'Multiflora Rosea', *B. domingensis*

Hairy Leaved:

7. Wide leaved, upright growth as *B. tomentosa*, B. 'Alto Scharff'
8. Narrow leaved, upright growth as B. bradei, *B. listida*
9. Compact as *B. olsoniae*, *B. acida*

DIVISION C — THICK STEMMED (Not Jointed)

Brittle Stemmed:

Class

1. Large leaved as B. 'Rudy', *B. ludwigii*
2. Small leaved as B. 'Richard Robinson'

Woody Stemmed:

3. Thick stemmed as *B. pilifera*, *B. incana*
4. Taller growing as B. 'kellermannii', B. 'Marie Reed', B. 'Tamo'

Thicket:

5. As B. J-11, *B. friburgensis*

DIVISION D — SEMPERFLORENS CHARACTERISTICS

Species:

Class

1. Semperflorens type
2. Schmidiana type

Cultivars:

3. Single-flowered
4. Semi-double and double-flowered
5. Variegated foliage as B. 'Calla Queen', B. 'Charm'
6. Schmidiana cultivars

DIVISION E — RHIZOMATOUS

Leaf size will be determined by the greatest dimension of the majority of leaves.

Small Leaved (under 3"):

Class

1. Even margin
2. Cut or compound
3. Crested or spiral

Medium Leaved (3" to 6"):

4. Even margin
5. Cut or compound
6. Crested or spiral

Large Leaved (6" to 12"):

7. Even margin
8. Moderately cut margin
9. Deeply cut margin or compound
10. Crested or spiral
11. Giant leaved (over 12")

Rhizome-like Erect Stem:

12. Even margin as *B. manicata*
13. Cut or compound as *B. kenworthyi*, *B. carolineaeifolia*
14. Crested margin as *B. manicata crispa*, B. 'Madame Queen'

Rhizome Jointed at Soil, with Erect Stem:

15. As *B. deliciosa*, *B. tenuifolia*, *B. hemsleyana*

Distinctive Foliage:

16. *B. imperialis* and *imperialis*-like plants as *B. pustulata*, B. 'Silver Jewell', B. 'Emerald Jewell'
17. Exotic types (without rex background) as B. 'Crystal Lake', *B. rajab*, *B. griffithii*, *B. goegoensis*, *B. versicolor*, *B. crispula*
18. Compact hairy as *B. acetosa*, B. 'Laura Jane'

DIVISION F — REX CULTORUM

Leaf size will be determined by the greatest dimension of the majority of leaves.

Small Leaved (under 3"):

Class

1. Spiral
2. Non-spiral

Medium Leaved (3" to 6"):

3. Spiral
4. Non-spiral

Large Leaved (over 6"):

5. Spiral
6. Non-spiral

Upright Stemmed:

7. Spiral
8. Non-spiral

DIVISION G — SEMI-TUBEROUS AND TUBEROUS SPECIES

AMERICAN BEGONIA SOCIETY

Class

1. Semi-tuberous as *B. dregei*, *B. 'Weltoniensis'*
2. Tuberous species and first generation (F₁) hybrids as *B. cavum*, *B. pearcei*, *B. 'Santa Barbara'*, *B. davisii*, *B. boliviensis*, *B. 'Torsa'*

DIVISION H – TUBERHYBRIDA

Both single and multiple stemmed upright plants are acceptable.

Class

1. Multiflora
2. Single flowered
 - a. Plain
 - b. Crested or frilled
3. Double
 - a. Roseform
 - (1) Solid color
 - (2) Picotee flowered
 - b. Ruffled flower
 - (1) Solid color
 - (2) Picotee flowered
4. Trailing
5. *B. socotrana* and its hybrids as *Hiemalis* types and *Cheimantha* types

DIVISION I – SPECIES

(Sections combined, See Rule 6)

Species may be entered in this or in other *Begonia* Divisions.

Class

1. Cane-like
2. Shrub-like
3. Thick Stemmed (not jointed)
4. Semperflorens
5. Rhizomatous
6. Semi-tuberous and tuberous

DIVISION J – BEGONIA GROWN IN A CONTAINED ATMOSPHERE

(Sections combined, See Rule 6)

Terrarium, bubbles or other containers providing an enclosed atmosphere for plant growth.

DIVISION K – NEW BEGONIA INTRODUCTIONS

(Sections combined, See Rule 6)

Entries in this Division are not eligible for any other Division Trophy.

Original stock plants must have been in cultivation at least 36 months.

Eligible plants may not have been shown in competition before this year's National Show.

The hybridizer need not have grown the plants; the grower may enter plants with the hybridizer's permission. Entry must show names of both grower and hybridizer, date of germination.

A plant not in bloom should be accompanied by a description of the bloom and time of bloom.

A plant is not eligible if it has been released either by sale or gifts; distribution of a few plants for testing does not constitute release.

Class

1. New hybrid introductions
2. Other than hybrids as species, mutation.

DIVISION L – BEGONIA COLLECTIONS

(Entries in this Division are not eligible for any other Division Trophy.)

Exhibitors are responsible for arrangement of their own entries.

Collection of five *Begonias*:

Class

1. All Plants from the Same Division, but different classes
2. Each Plant from a Different Division

DIVISION M – JUNIOR DIVISION

(Sections combined, See Rule 6)

Limited to 18-year olds and under.

Class

1. *Begonias*
2. Other Shade Plants

DIVISION N – EDUCATIONAL DISPLAYS

(Sections combined, See Rule 6)

Entries limited to tables.

Class

1. Branch Entry (*Begonias*)
2. Individual Entry (*Begonias*)
3. Student Entry
 - a. *Begonias*
 - b. Topical display

RULES FOR PHOTOGRAPHIC ENTRIES

(See page 117, May, 1971 issue of *The Begonian*).

DIVISION O – PHOTOGRAPHS OF BEGONIAS

Open to anyone residing outside 100 mile radius of show.

Class

1. Black and white print
2. Color print
3. Color slide

DIVISION P – PHOTOGRAPHS OF BRANCH GARDEN DISPLAYS AND EDUCATIONAL EXHIBITS

Open to Branches outside a 100 mile radius of show. Prints 5" x 7" or 8" x 10".

Class

1. Black and white print
2. Color print
3. Color slide

DIVISION Q – PLANTERS

(Sections combined, See Rule 6)

A single container with an artistic arrangement of several different rooted plants.

Class

1. Predominately *Begonias*
2. Other shade plants

DIVISION R – MINIATURE GARDENS

(Sections combined, See Rule 6)

Begonias predominating. Not to exceed 30" square.

DIVISION S – FERNS

Class

1. *Adiantums*
2. Ferns under 2'
3. Ferns 2' to 4'
4. Ferns over 4'
5. Tree ferns
6. *Platycterium*s

DIVISION T – OTHER SHADE PLANTS

(Sections combined, See Rule 6)

(Please turn page)

Class

1. African Violets
 - a. Single flowers
 - b. Double flowers
 - c. Miniatures
2. All other Gesneriads
3. Orchids
4. Bromeliads
5. Fuchsias
6. Vines and trailing shade plants
7. Asparagus
8. Bonsai
9. Shade plants not listed above

DIVISION U – ARRANGEMENTS AND CORSAGES

(Sections combined, See Rule 6)

Entries should follow the Show Theme: A World of Shade Plants.

Foliage and accessories permitted in all Classes. Artificial plant materials will not be permitted. Material need not have been grown by the exhibitor.

Arrangements:

Class

1. *Begonia* flowers and foliage (other than *Tuberhybrida*)
2. Tuberous *Begonia* flowers
3. *Begonias* and other shade plant material
4. Rex *Begonia* foliage predominating
5. Other shade plant material not listed
6. Miniatures not to exceed 5"

Corsages:

7. *Begonia* flowers
8. Other shade plant material

TROPHIES AND AWARDS

Each Class will be judged for First (Blue Ribbon), Second (Red Ribbon), and Third (White Ribbon) on merit only (see Rule 16). All Blue Ribbon winners in a Division will be judged for Division Trophies (see Rule 17).

An entry must receive 85 points to qualify for a Division, Perpetual or Challenge Trophy. A Perpetual Trophy is never retired. A Challenge Trophy may be retired to an exhibitor who has won it three times not necessarily consecutively.

ABS Sweepstakes Trophies will be awarded to the winners with the most blue ribbons in the *Begonia* Divisions.

An ABS Cultural Award to the winner of each *Begonia* Division if it receives 90 points or better: Cane-like, Shrub-like, Thick stemmed, *Semperflorens* Characteristics, Rhizomatous, Rex, Tuberous (including Tuberous Species), and New Introduction.

PERPETUAL TROPHIES

American *Begonia* Society Perpetual Trophy for Best New *Begonia* Introduction.

Herbert P. Dyckman Perpetual Award for

the Most Distinctive New Fibrous *Begonia*. Given by Mrs. Dyckman in honor of her husband, Founder of the ABS.

John Thieben Perpetual Award for the Best New Rhizomatous *Begonia* Introduction (other than Rex). Donated by the Westchester Branch.

Theodosia Burr Shepherd Branch Perpetual Trophy for Best *Begonia* in Show by Novice Grower.

San Miguel Branch Perpetual Trophy for Best *Begonia* in Cultivation 25 years or longer.

William L. Taylor Perpetual Trophy for Best Hanging Container *Begonia*. Donated by the Orange County Branch.

Ferd Neels Memorial Perpetual Trophy for Best Wall Pocket *Begonia*. Donated by the Inglewood Branch.

Edna Korts Perpetual Trophy for Best Cane *Begonia*.

Helen Bailey Memorial Perpetual Trophy for Best Shrub-like *Begonia*. Donated by the San Diego Branch.

Redondo Area Perpetual Trophy for Best *Semperflorens Begonia*.

Orris Martin Perpetual Memorial Trophy for Best Tuberous *Begonia* in Novice Grower Section.

Inglewood Branch Memorial Perpetual Trophy for Best Species *Begonia*. (Species Division)

San Gabriel Valley Branch Perpetual Trophy for Best *Begonia* Grown in a Contained Atmosphere.

Bessie Raymond Buxton Branch Perpetual Award for Best Collection of five *Begonias*, each from a different Class.

Jack Bailey Memorial Cup for Best Branch display.

Arthur Strandburg Perpetual Trophy for Best Fern in Grower Section. Donated by the Inglewood Branch.

Dr. W. C. Drummond Perpetual Memorial Award for Best Fern in the Novice Grower Section.

CHALLENGE TROPHIES

Dr. Edgar Irmischer Memorial Challenge Award for Best Entry in Show. Donated by Chuck and Mae Tagg.

President's Challenge Trophy for Best *Begonia* in Show. Presented by Calvin E. Trowbridge. Only plants which win Division Trophies may be considered for Best *Begonia* in Show.

Effie Chapman Challenge Cup for Best Fibrous *Begonia*.

John R. Williams Challenge Cup for Best Rhizomatous *Begonia*.

Gonda Hartwell Challenge Trophy for Best Rex *Begonia*.

Palos Verdes *Begonia* Farm Challenge Trophy for Best Tuberous *Begonia* in Grower Section.

CLAYTON M. KELLY SEED FUND

Begonias From Seed — Sowing and Growing — Gives step by step, easy to follow instructions and encouragement for beginning seed growers. Price 25¢.

No. 1 — *B. Rex*

Imported from Germany — all desired colors of red, green and purplish. Large leaves, choice plants. Price \$1.00 per pkt.

No. 2 — *B. 'Cleopatra'*

Also called *B. 'Maphil'*: *B. bowerae* (Mexico) seedling. Very colorful dwarf rhizomatous plant with bushy growth. Leaves are chartreuse to mustard yellow-green in color, suffused with deep brown markings surrounding the veins and margins. The veins are light green on the surface, flushed with red on the underside of the leaf. The sinus or dye is also light green. The obliquely shaped leaves are shallow lobed and average 2 to 3 inches across in size; the over-all leaf texture is velvety. The interesting part of the plant is the long eye-lashes on the leaf margins, typical of *B. bowerae*. The petioles are green with red flecks at intervals, each fleck surrounding one hair. Grows best in moist humid conditions and filtered light, protection from cold is essential. Price \$1.00 per pkt.

Summer Sale

We are still attempting to clear the files of *Begonias* and other seed and are asking you again to come to the rescue as our space is limited and we just can't throw away seed when someone should be growing them. This is probably the last sale for awhile and I am sure you will find many attractive and worthwhile plants and will take advantage of this offer.

No. 1 — *B. venosa* — Brazil

Felt type leaves and fragrant white flowers, requires filtered light and warmth.

No. 2 — *B. limmingheiana*

Trailing plant with heart shaped flowers, green waxy leaves; good basket plant.

No. 3 — *B. subvillosa*

Sometimes called 'Scotch Luxurians'

No. 4 — *B. dregei*

Much used in hybridizing — small leaves, white flowers.

No. 5 — *B. incarnata*

Fluffy, frilly plant with many whitish to pink blossoms.

No. 6 — *B. corallina*

Old time favorite cane type; leaves sometimes spotted; large clusters of coral flowers.

No. 7 — *B. maculata*

Leaves sometimes spotted, sometimes not.

No. 8 — *B. convolvulaceae*

Vine type with huge clusters of white flowers and shining green foliage.

No. 9 — *B. sc 'Gee-Gee'*

By Chester Nave, California. Huge bright red blooms with fluffy yellow centers; leaves very large; good for outside or potted.

No. 10 — *B. sc 'Scarlette'* F₁ hybrid

Dwarf and beautiful as a bedding plant.

No. 11 — *B. sc 'Pink Profusion'*

Intermediate growth; coral pink bloom.

No. 12 — *B. sc 'Carvelle'*

Red foliage; intermediate; Orange-scarlet bloom.

No. 13 — *B. sc 'Othello'*

Intermediate; Orange bloom.

No. 14 — *Kholeria erianthera*, Gesneriad

Vine type; orange tubular flowers.

No. 15 — *Rechsteineria leucotricha*, Gesneriad

Silvery foliage and white flowers.

The above 15 packets for \$5.00, single pkts. 50¢ each.

Greenhouse plants

Stephanotis floribunda — Madascar. (Madagascar jasmine) Twining plant with

(Please turn page)

opposite, elliptic, leathery leaves and clusters of very fragrant, waxy white, tubular flowers. 25¢ each seed.

Please Note: A few years ago the Seed Fund offered *Stephanotis* seed, although there were only a very few. However, a friend here in California bought two seed and grew one fantastic plant in his greenhouse with Orchids. Late last summer I was in his greenhouse and was amazed to see the huge seed pods this vine had produced and now after almost a year they are ripe and some of the seed are available. They will germinate readily under normal conditions.

Sinningia — 'Doll Baby' Small and very popular. Price 50¢ per pkt.

Slipper Gloxinia — Blue, Price 50¢ per pkt.

Streptocarpus rexi var. parviflours — small grower. Price 50¢ per pkt.

Episcia dianthiflora — Mexico — Small elliptic, pubescent, vivid to dark green, crenate leaves with purple mid-rib in a miniature clustering rosette, sending prolific rooting branches; free blooming with glistening white, deeply fringed flowers appearing in leaf axils. Price 50¢ per pkt.

Asparagus sprengeri — (Fern like) — Much branched plant with tuberous roots, fluffy branchlets set with soft green needles. Small fragrant white flowers followed by red berries. Price 50¢ per pkt.

Adiantum trapeziforme — Delicate looking, yet bold growing with slowly creeping rhizome and large 2-pinnate fronds on black stems, stalked trapezoid leaflets to 2 inches long and brilliant green. Price 50¢ per pkt.

Platyserium grande — Magnificent epiphyte with a regal crown of upright spreading sterile fronds of glossy vivid green; the upper lobes double forked and staghorn like with dark venations; pendulous, forked pairs of fertile fronds appear with age holding between them the wedge-shaped disk bearing the sporangia. Price 50¢ per pkt.

Angiosperma dicotyledonae x cryptoceris anthonyanus — *cactaceae* — Night bloom-

ing climber in the rain forest using aerial roots; deeply lobed stems looking like fish bones; flowers intensely fragrant, lasting but a single night; beautifully colored maroon yellow petals. Fair amount of seed. Price 50¢ per pkt.

Tillandsia flexuosa (Bromeliad) — Small, white flowers, grey-green foliage, silver banded, bottle shaped, partial sun. Price 50¢ per pkt.

Neoregelia johannis (Bromeliad) — Small, lavender-blue flower, green leaf, grows in a rosette; partial sun or light. Price 50¢ per pkt.

Canistrum lindeni var. *roseum* (Bromeliad) Medium, white flowers, leaf green, mottled brown; vase shaped; diffused light. Price 50¢ per pkt.

Other genera:

Kalanchoe blossfeldiana — Compact branching plant with small ovate, glossy green leaves, topped during the short day season of year with clusters of bright red flowers. Price 50¢ per pkt.

Capiscum annum conoides (Christmas pepper) — Attractive annual pot plant with star-like flowers and fruits beautifully lacquered cardinal-red, borne above rich green foliage. Price 25¢ per pkt.

Please send request for seed to:

Mrs. Florence Gee
Seed Fund Administrator
234 Birch Street
Roseville, California 95678

GARDEN TOUR

Whittier gardens will be on parade Sunday, September 5th. Transportation will be furnished. Meet at Pioneer High School at 10:00 a.m.

DEADLINE for all material submitted for "The Begonian" is the 1st of the month preceeding the next months issue.

Begonia growing under light requires no more special treatment than those you grow in the window or greenhouse. They do react in different ways under the lights however. B. 'Maphil', which has markings on its leaves will usually turn a deep chocolate brown under the lights with no hint of typical markings. The old favorite B. 'Thurstoni' becomes darker, shinier and the under leaves become much deeper in red tones. Leaves of *B. cubensis* turn very dark and shiny. Rexes take on deeper hues and *B. bradei* turns a delightful rosy red with darker red leaf margins. Those with red sinuses and stems show up much deeper against the foliage.

To set down hard and fast rules for growing *Begonias* under lights is unrealistic as temperatures, particularly in basement areas, vary greatly from the relative cool basement to the garden in a warm furnace room. Living areas in heated homes are tempered to the comfort of the occupants and may be kept anywhere from 70 to 80 degrees. Although a few varieties of *Begonias* are fussy as to temperatures, most all of them will accommodate themselves to conditions in house or basement.

Experts will debate for hours on the relative merits of the various kinds of tubes available for light gardening. My experience indicates that the plant growth lamps manufactured by several companies all perform as well as the warm white and cool white commercial type lamps. In a limited way, I have done some testing using identical plants under each of the following tubes: Gro Lux, warm white, cool white, Gro Lux Wide Spectrum and the newer Naturesscent. From my observation of the performance of my test plants, I do not consider any one lamp to be superior to the others for growing *Begonias*. Possibly under ideal controlled conditions not obtainable by the hobbyist, more positive conclusions may result. As to my own preference, I prefer Gro Lux or warm white for *Begonias*, kept burning 12 to 14 hours a day.

I use the same potting soils for my *Begonias* under lights as I do in my greenhouse or windows. Whatever potting mix you have been using for potted plants is suitable, whether you mix your own or buy the packaged potting mixes. Actually, I do not feel that potting mixes are all

that important for some of my finest specimens have lived for years in my favorite propagating mix of 1/3 vermiculite, 1/3 perlite and 1/3 milled sphagnum moss and fed the same as those in soil.

There are no dark, cloudy days under fluorescent light as is experienced in living areas or in the greenhouse. Plants respond to this controlled light with more constant growth. I apply the same growing procedures to my light garden as I do to window sill and the greenhouse. When plants are growing they are fed twice a month. My own choice is Rapid-Gro but any of the water soluble fertilizers are good. I also like to give a bi-monthly feeding of fish meal dissolved in water according to directions on the box. During the winter months they are fed 1/2 recommended strength rather than full strength.

Regular care of plants is most important especially under lights since soil in pots tend to dry out faster than they do in other locations. When the soil in pots approaches dryness they should be immediately watered whatever the season. Many *Begonias* such as B. 'Richard Robinson' like to have a rest during the winter months and show this need by dropping some of their leaves and refuse to produce new leaves or shoots. If you make a practice of really observing the growth habits of your various *Begonias*, you will easily understand what I mean. None of those that show a desire to rest should be kept bone dry at any time. Allow them to become dry and water thoroughly immediately when they have reached this stage and then do not water again until the soil in the pot has dried out. You cannot apply these rules to all of your *Begonias* for there are so many variations in the needs of individual plants. The only ones in my own collection from which I withhold water completely are *B. sutherlandii* and *evansiana*, which go completely dormant during the winter months. When these have lost all leaves and stems they are placed in dim light at the end of the bench and watered only once a month until new growth begins. The little tubers must be kept from drying up completely but on the other hand, they must not be allowed to rot by the use of too much water during the resting period.

(Please turn page)

Propagation under lights is similar to that practiced in window or greenhouse. Many hobbyist use plastic shoe boxes for propagation but I have never found this necessary in my own plant room. However, should the room lack humidity, a plastic box or a tent of plastic is definitely helpful. It can, I might also add, be disastrous in the case of some of the velvety leaved *Begonias* such as *B. cathayana* for instance, which has a tendency to rot if humidity is high and rooting medium kept too moist.

Much has been written about the need for extra humidity to properly grow *Begonias* under lights. In my own experience there are very few in my collection that need additional humidity. Both in my cellar and living rooms, *Begonias*, African Violets, Gloxinias, *Columneas* and other gesneriads bloom satisfactorily without additional humidity. During the winter months, the living areas are kept at 72 degrees daytime and 65 degrees at night. In the cellar plant room, temperatures fluctuate from 65 to 70 degrees winters and stays about 70 degrees during the summer. If you have a hot water heater, heated by your furnace, your cellar may be too warm in summer when additional humidity, ventilation or cooling may be required. For additional humidity, enthusiasts prefer to have trays of pea gravel or perlite filled with water and the pots placed directly on the material. Water level is maintained so that the pots never sit in water. I do not like this method for I find it difficult to be sure that each individual pot is given the proper amount of water required for its own needs. Placing a screening of hardware cloth over the gravel and sitting the pots in saucers on this is, in my opinion, much more satisfactory should it be necessary to provide extra humidity. Then each pot can have its own individual saucer so that it can be properly watered. Plastic sheeting enveloping the plant stand is also employed by some experienced growers. I have never had to resort to this method as I find that if the humidity in the room suits me it is adequate for my plants.

Insect pest are not usually troublesome in my light garden. I frequently take individual plants to the laundry tubs, allowing tepid water to flow over the leaves. This not only washes the

dust off the leaves but also dislodges insects such as red spider or aphids if present. If the leaves seem sticky and I see no pest, as a precaution, I make a suds of Ivory soap and with my fingers go over every leaf with the suds, finally rinsing with clean water. If gnats or small flying insects persist, a 20 second swish with an African Violet aerosol mist does a creditable job. Hold spray can 18 inches from the plants and mist lightly. Avoid breathing the fumes and wear glasses to protect the eyes. If I find just one mealy bug on one of my *Begonias*, the plant and pot goes immediately into the garbage can. This pest can spread quickly to your entire collection. Better to sacrifice one plant than to infect many. I have never had white flies in my indoor garden although they are sometimes troublesome in my greenhouse. Some of my friends use the Shell strip which is an insecticide known as vapona. Officials of the United States Department of Agriculture now agree that this material can be toxic if used in a closed area and I do not recommend its use. If white flies are present, they can be controlled by the use of the African Violet aerosol bomb, several times over a period of a week or ten days to kill all the hatching larvae. Rather than go to this extreme any plant on which I detect white fly is immediately thrown away. Fortunately, very few *Begonias* seem to be host plant for white fly. Mildew is sometimes a problem with certain *Begonias* whether they are growing under lights or elsewhere. At the first sign of mildew, mix up a pan of Fermate according to directions. Fill a windex spray bottle and carefully spray each leaf. The powder can be used as dust but I do not like the unsightly aspect of the leaves with this dust on them. There is a product available known as Karathane or Mildex. I have some of this on hand for outdoor garden use, but have never used it on *Begonias*. Many commercial growers, however, use it as a preventive before the trouble starts and have found its use most effective.

Bring a friend to the Begonia Show, Saturday, September 4th, 9 a.m. to 6 p.m., Sunday, September 5th, 10 a.m. to 5 p.m.

ROUND ROBIN NOTES

Robins are flying, many things are being discussed, new things are being tried, interest is high, and we are looking forward to some new conclusions.

B. serratepala:

Mrs. Dorris Carlson, Michigan, found that this *Begonia* stayed quite small for a couple of years and was always dropping its leaves. She took a gallon jug with the bottom cut out and placed it over it in a window. It outgrew this so she took a foot square bird cage 3 feet tall and cut 1 foot off the bottom and covered it with plastic. It is doing well and she will keep it within bounds by pinching.

Kusler hybrids:

Rosetta White, Kansas, reports the following in bloom in late April: 'Victoria Kartack', 'Nancy Gail', 'Frances Lyons', 'Delphine Fosmo', 'Posy Wahl', 'Martha Floro', 'Clara Elizabeth', 'Jeanne Fleetham' and 'Marjorie Sibley'.

Hazel Harmon reported B. 'Laura Englebert' produced a full stalk of female bloom after moving it upstairs and in early April produced a large stalk of male bloom. B. 'Martha Floro' had brilliant color in the basement under lights but 2 cuttings with good light bloomed smaller and with paler flowers. She reports never using a rooting compound and seldom loses cuts. She breaks her cuts if possible. She snaps leaves from B. 'Miyo Berger' because the leaf stems are very short. Cuttings were slow and lost many leaves. Now she lets them stand in water for a few days in a tight plastic case before placing them in rooting medium. In the case they rooted faster and went right on growing. The case has proved an aid in difficult propagation.

B. socotrana:

Mae Blanton, Texas, had blooms on one plant, one male and one female. She made a cross on the female which seems to be ripening although the petals folded over the stigma instead of dropping as is customary.

Tubers:

Mae reported her *B. picta* and *B. cinabariana* tubers started to grow at the end of April. *B. picta* soon had a silver dollar sized leaf. She is hoping for bloom this year.

Seed sowing:

Nowell Ward, Illinois, reported buying a dozen half gallon, square wide mouthed mason jars with raised ridges down the outside. He sterilizes the jars with a 5% clorox solution; lays the jars on their side and places the mix in the bottom. His mix is 1/3 sterilized coarse builders sand (baked in the oven for 20 minutes at 200 to 250 degrees) 1/3 peat moss and 1/3 leaf mold with a small amount of vermiculite or perlite added: dampened with distilled or boiled water. He sows his seed by placing them in the cup end of an iced tea spoon, holding the handle in one hand he lightly taps the spoon with the index finger of the other hand, dispersing a small amount of seed over half the jar, then plants the other half with another kind of seed. The rubber ring on the jar is removed to let in some air and then the cap is placed on the jar. The mix will not need additional moisture until the seeds have germinated and are large enough to transplant. After germination the jars can be placed in a bright area or under lights.

Seed germination and seedlings:

Mae's seedlings of *B. ficicola* are starting to grow and although small they are beginning to resemble the mature leaf. She planted the selfed seed of *B. rajab* and had germination in 3 weeks. Mae had a nice stand of *B. wollnyi* seedlings when she had to serve on jury duty in January and during that time they dried out too much. The tiny leaves dried up and it also appeared the roots had too, leaving long little tuberous stems on the soil. She covered them with sand and they surprised her by starting to grow tiny leaves again.

Edna Stewart, Pennsylvania, reported *B. lubbersii* and *B. viscida* seedlings were

(Please turn page)

growing in mid April and Edna Stewart reported germination in 15 days of *Begonias deliciosa*, *corallina*, and B. 'Kalla King' was up in 6 days.

Gesneriads:

Olive Lever, New Zealand, reported Gesneriads in bloom in March; miniature slipper *Gloxinia Sinningia* 'White Sprite', *Kobleria amabilis*, *K. lindeniana*, *Reichsteineria cardinalis*, several *Columnneas* and *Aeschynanthus* and many African Violets in bloom.

Alan Kemper, Georgia, planted the scales of *Achimenes* rhizomes and had

plants come up in 10 days.

Joanne Yunghans, Kansas, has a *Streptocarpus bolsti* plant loaded with bloom grown in the corner of her bench that is farthest from her lights in the basement.

New flights on growing *Begonias* from seed, hybridizing for beginners and others will be formed in early fall. If you wish to join a flight, write too:

Mrs. Anita Sickmon
Round Robins Director
Route 2, Box 99
Cheney, Kansas 67025

SPECIAL EVENTS

San Gabriel Valley Branch
24th Annual Begonia and Shade
Plant Show

Saturday July 10th - 1 p.m. to 5 p.m.

Sunday July 11th - 10 a.m. to 5 p.m.

Los Angeles State and County Arboretum
302 N. Baldwin Ave., Arcadia, Calif.

All ABS members are invited to enter
plants.

BEGONIA AND SHADE PLANT SHOW

Sacramento Branch

"Begonias from Exotic Lands"

July 17 - 2 to 8 p.m.

July 18 - 10 a.m. to 6 p.m.

Sacramento Garden and Arts Center

3330 McKinley Blvd.

Sacramento, California

BEGONIA SHOW

Seattle Branch

Jewel Showcase of Begonias

Fuchsias and Shade Plants

Loyal Heights Recreation Center

21st N.W. and 77th N.W.

July 31st - 2 p.m. to 9 p.m.

August 1st - 10 a.m. to 7:30 p.m.

Admission 35¢

GARDEN TOUR

The Annual Garden Tour of the Theodosia Burr Shepherd Branch will be held

August 8th, 1971. The hours are from 1 p.m. to 4:30 p.m. Out of town guests may pick up maps of the gardens on the tour at the home of Mr. & Mrs. Chet Dacayana, 4002 Madison, Ventura, Calif.; phone 642-3128.

BEGONIA SHOW

The Santa Barbara Branch of the ABS will hold its annual show during Fiesta Week in the Flower Hall of the Santa Barbara Museum of Natural History, 2559 Puesta del Sol, behind the Old Mission. Admittance is free. Dates and hours are:

August 14 - 9 a.m. to 5 p.m.

August 15 - 1 p.m. to 5 p.m.

August 16 - 9 a.m. to 5 p.m.

ANNUAL SHADE PLANT SHOW

Theodosia Burr Shepherd Branch

Gem and Mineral Building, Ventura

County Fair Grounds

August 14th - 11 a.m. to 6 p.m.

August 15th - 10 a.m. to 5 p.m.

Connecticut Branch Annual Show

August 21 - 2 p.m. to 7 p.m.

August 22 - 10 a.m. to 5 p.m.

Pond House, Elizabeth Park,

Hartford, Connecticut

TERRARIUMS FOR BEGONIAS, Part III

by Mae Blanton, *Mesquite, Texas*

Planting:

Plant sparsely to allow room for growth. Spread the roots of *Begonias* out in the layer of potting mix. If using companion plants (and I've found that *Begonias* love them), use those that are found in nature in the company of *Begonias*: ferns (young ones grown from spores are ideal), small *Peperomias* miniature gesneriads, *Selaginellas*, *Helxine*, etc. I repeat, keep it sparse, with only small plants of these as they have a way of going wild under ideal conditions. Mulch with various mosses, small colorful gravel, sand or such. Oyster shell chips obtained from poultry feed suppliers are excellent as they provide the limestone that *Begonias* love.

Watering:

Water roots in gently with as little water as possible. It is much better to err on the side of too little water than too much. The humidity will keep plants from wilting too quickly. More water can be added but it is extremely difficult to extract a surplus. An ear syringe is an easily manipulated tool to use for applying water if you can get your hand into the terrarium. An empty dish washing detergent bottle is a good device to use for watering. A plastic straw may be used to apply water through a small opening although it is slow work that way. Water sparingly and wait a few days before you decide whether it needs more. If the bottom layer is perlite or rocks, you can see excess water and possibly remove some with a straw. However, a little water in the bottom of the drainage material usually does no harm.

If you have used a commercial potting mix, do not feed when watering! After a few months, a new thin layer of potting mix can feed plants if you like or a very weak solution of soluble plant food in water may be used. A fine mist of foliar feeding solution is better.

Some experts say breathing into a terrarium helps the plants grow by giving

them the carbon dioxide they need for healthy growth. I don't know whether or not there is any truth in this but I'm not taking any chances. Every day I remove the covers and breath into the terrariums. At least, each plant gets its share daily of T.L.C. (tender loving care) and I have the pleasure of admiring its beauty and thinking of the friend who shared it with me. If I ever get caught and sent to the "Booby hatch", it's not a bad way to go!!

(To be continued)

NOTICE!

Reservations at Motels or Hotels will be made for out of town guests planning to attend the Convention and Show September 4th and 5th. Please write to Mrs. Martha Rader, 10934 E. Flory St., Whittier, California 90606

Plants to be entered in the show will be accepted:

September 2nd from 10 a.m. to 10 p.m.
and
September 3rd from 7 a.m. to 9 a.m.

JOIN THE AMERICAN GESNERIA SOCIETY

Latest information about growing these lovely plants and where supplies are obtainable. Also receive the beautiful G.S.N. (Gesneriad, Saint Paulia News) in color. News of Robin activities, Seed Fund and general culture. Membership Dues \$4.00 a year.

Mail to: AMERICAN GESNERIA SOCIETY
World Way Postal Center, Box 91192 (F)
Los Angeles, California 90009

*Palos
Verdes*

Begonia
Farm

4111 - 242nd St., WALTERIA, Calif. 90505

TUBEROUS BEGONIAS

COMPLETE SELECTION OF BEGONIAS
AND SHADE PLANTS
FUCHSIAS—CAMELLIAS—FERNS
OPEN DAILY
Complete Nursery & Garden Supply Shop
1½ Miles E. of Redondo Beach
Hi-Way 101



AMERICAN
BEGONIA SOCIETY

INSIGNIA PINS \$4.50
EMBLEM STICKERS50
GARDEN SIGNS 1.00

Price includes postage
(California residents, add 5% tax.)

ORDER FROM

MRS. PEARL BENELL
10331 South Colima Road
Whittier, California 90604



AMERICAN BEGONIA
SOCIETY BOOKLETS

Point Scoring System for Judging
Begonias \$1.25

A Suggested Guide to Classification
of Begonias for Show Purposes . . . \$1.50

ORDER FROM: Ruth Pease
8101 Vicksburg Ave.
Los Angeles, Calif. 90045



A.B.S.
LIBRARY
BOOKSTORE

The following selection of books are
FOR SALE

- *Gesneriads And How To Grow Them. \$7.95
by Peggy Schulz
- *Rex Begonias As House Plants \$1.00
by Virginia Withee
- *So Say The Experts \$2.00
by Ruth Pease
- Classification Guide Compiled by . . \$1.25
the Westchester Branch, A.B.S.
- *Ferns We Grow by Sylvia \$3.85
Leatherman and Dorothy Behrends
- *Begonias Slanted Toward the \$3.00
Beginner by Dorothy Behrends
- *Platynerium Fern Facts \$4.95
by Wendy Franks
- *The Tuberous Begonia \$10.80
by Brian Langdon

The Begonian—Complete reprints . . \$6.00
Jan. 1934 through June 1938

Pamphlet — Begonias From Seed —
Sowing and Growing25

The Begonian— 1960-1969 25c per issue
1950-1959 40c per issue
1940-1949 50c per issue

There is a limited number of 1940-1949
issues but will fill each order to the best of
my ability.

*Calif. residents, add 5% tax on these items.

Please include 50 cents to cover postage

Send your orders to:

MRS. LYDIA AUSTIN
15329 Eastwood Avenue
Lawndale, California 90260

HYPONEX
Soluble PLANT FOOD Complete

GROWS BETTER PLANTS INDOORS OR OUTDOORS
In Poorest Soil -- Even in Sand or Water

Preferred by millions for 30 years. Simply dissolve
in water and feed all plants through roots or foliage.
Clean, odorless. If dealer can't supply, send \$1.29
for 10 oz. Makes 60 gals. 75 items catalog Free.

HYDROPONIC CHEM. CO., Copley, Ohio 44321, U.S.A.

"THE BEGONIAN"
ADVERTISING RATES

	Once	Monthly
Full Page	\$30.00	\$25.00
Half Page	18.50	15.00
Quarter Page	10.00	8.50
Per Inch	3.00	2.50

FLORA'S GREENHOUSES

(Mrs. Alberta Flora)

Box 1191, Burlingame, Calif. 94010

BEGONIAS \$1.25

Leatherman cvs.

Winkum

Blinkum

Nod

3 for \$3.25

O'Reilly cvs.

Aries

Aquarius

Mercury

Neptune

Polaris

Universe

Virgo

5 my choice \$5.00

Wally Watchorn cv.

Mooneagle (new) \$2.00

Kusler cvs.

Anna Christine

Barbara Ann

Dorothy Barton

Esther Albertine

Jill Adair

Laura Englebert

Leonore Olivier

Margaret Stevens

Martha Floro \$2.00

Nora Hanson

Peggy Stevens \$1.50

Sophie Cecile

7 my choice \$7.50

OTHER BEGONIAS

(m) miniatures or small growing

Bow Ariola (m)

Bow Joe (m)

Bow Nigra (m)

metachbroa (m)

Rutherfordiana (m)

Silver Star (m)

Whirly Curly (m)

7 miniatures my choice \$7.50

Crestabruichii \$2.00

listida \$1.50

purpurea \$1.50

species Z-2 (Brazil)

Stash \$1.50

REX BEGONIAS

(L) Leatherman cvs

American Beauty

Fireflush

Helen Lewis

Herzogin Von Sagon

(Can Can)

Koenig Heinrich

Lady Francis Jean (L)

Lady Margaret Lee (L)

Lavender Glow \$1.50

Leatherman's Reiga (L)

Oregon State University #6

Pink Taffeta (rex cv.

#10 Germany)

Purple Petticoats \$2.00
(Lee's cv.)

Sir John Ekstrand (L)

Sir John Thieban (L)

Sir Pinky Harrison (L)
new, \$1.50

Dew Drop (m)

**7 Begonias and/or 7 rex
Begonias my choice
\$7.00**

FERNS \$1.25

Adiantum Pacifis Maid

Asplenium viviparum

Cyrtomium falcatum

crisatum (crested
Holly fern)

Polypodium aureum

Pteris cretica Victoriae

Pteris dentata

Pteris ouvardi

FERNS \$1.50

Phyllitis scolopendrium

Phyllitis scolopendrium

cv. *crisatum*

Polystichum setiferum
multifidum

5 ferns my choice \$5.00

Selaginella brownii

(cushion moss for
terrariums or dish
gardens) \$1.25

All plants named and labeled. Please list substitutes. Customer pays postage . . . You may send 20% of your order towards postage . . . or you will be billed for it . . . or your order can be sent C.O.D. for postage only. Catalog 25¢, lists and describes these and many other *Begonias*, Ferns, African Violets, Gesneriads and Geraniums (including miniatures).

Recommended potting mix . . . P.T.M. (Pinky's Trophy Mix). Available at nurseries in So. California and from us. 5 lb. bag — \$1.50, 10 lb. bag — \$2.50 plus shipping. A compost of naturally decomposed organic material.

MRS. BERT ROUTH
Louisburg, Missouri 65685

**RHIZOMATOUS
 BEGONIAS**

\$1.00 each — Leaves 35¢

Alfreans
 Erythrophylla (Beefsteak)
 Black Jewell
 Brocade
 Alice-Mac
 Bow-Nigra
 Bunchii
 Carol Star
 Cleopatra
 Chantilly Lace
 Decker's Select
 Enchantment
 Gi-Gi
 Joe Hayden
 Laguna
 Merry Merry
 Norah Bedson
 Pebble Lane
 Persian Brocade
 Silver Star
 Spaulding
 Zaida
 Zee Bowman
masoniana (Iron Cross)
 Aqua Marine
 Catalina
 Illsley
pearlii

**RHIZOMATOUS
 BEGONIAS**

\$1.25 each

Angie
 Leo Rowan
 Leslie Lynn
 Missouri
 Ricky Minter
beracleifolia nigricans
 Randy
 Roberta
 Ricinifolia
 Regency
 Vernon
 Gay Star
 Raspberry Parfait

FIBROUS BEGONIAS

\$1.00 each

Annabelle
 Argenteo Guttata
 Bleeding Heart
 Peach Leaf
echinosepala
 Green Medora
 Helen
 Helena
incarnata
 Jean Pernet
 Medora
 Spring Song
 Sir Arthur
acida
 Corbeille de feu
 Digswelliana
 Thurstoni
 Blue Lake
 Grey Feather

FIBROUS BEGONIAS

\$1.25 each

Otto Hacker
 Elaine
 Frances Lyons
 Pinafore
 Robinson's Peach
coccinea rosea
 Nora Hanson
 Tingley Mallet
 Templini

HAIRY

FIBROUS BEGONIAS

\$1.25 each

Alto Scharff
 Chocolate Soldier
 Conbow
 Credneri
 Dwarf Houghtoni
bugellii
 Margarita
 Nelly Bly
metallica
prunifolia
 Irene
 Raythel

REX BEGONIAS

\$1.00 each

Amy
 Bertha McGregor
 Cora Miller
 Evergreen
 Fiesta
 Fairy
 Forty Niner
 Green Countess
 Green Gold
 Helen Teupel
 Jack Frost
 Lillian
 Les Matheson
 Lucy Clossom
 Merry Christmas
 Mountain Haze
 Old Smokey
 Peace
 Sue Zug
 Silver Lake
 Sandy
 White Lace
 Venetian Red
 Red Berry
 New Blue Bell
 Purple Petticoats
Leaves 35¢ or 3 for \$1.00

\$1.25 each

American Beauty
 Black King
 Blushing Ole
 Crimson Glory
 Curly Stardust
 Dottie
 Mikado
 Prince Charming
 Shirt Sleeves
 Sir Roy Yewell
 Winter Garden
Leaves 40¢ each

\$1.50 each

Cardoza Gardens
 Glory of St. Albans
 Helen Lewis
Leaves 40¢ each

TERMS: Cash, Check or Money Order, no C.O.D. Postage prepaid on orders of \$15.00 or over, Insured and Special Handling.

\$1.35 for postage and packing for all orders under \$15.00 (\$1.50 West of Rockies and East of Mississippi River). Missouri residents please add 3% sales tax. Special Delivery 65¢

SEND 10¢ FOR A COMPLETE LIST OF PLANTS WE GROW

Condensed Minutes of the Board of Directors of the American Begonia Society May 24, 1971

Regular monthly meeting held at South Gate City Auditorium. After opening ceremonies, 12 officers and 8 Branch Representatives answered roll call. Minutes were corrected to read \$12.50 instead of \$10.00 in Special Fund for Rudy Ziesenhenne and approved.

Mrs. Elsie Joyce, Mrs. Margaret Lee and Mrs. James Garner were appointed to committee to study basic plan for booklet How to Start a Branch recommended by the Public Relations Director.

\$25.00 check for 3rd place award in Fern Show was presented.

REPORTS

Treasurer: Receipts \$850.68; disbursements, \$883.63; balance \$1,396.31.

Membership Secretary: 47 new members; 123 renewals; total 2,231; funds deposited \$706.50.

Advertising Manager: Receipts \$89.90; unpaid accounts \$52.50.

Judges Course Chairman: Fern Society and Culver City Garden Clubs interested in Judging Course.

Librarian: Balance in Library Fund \$184.78. Reported publisher was discontinuing reprinting of Bernice Brilmayer's book All About Begonias. Librarian was requested to contact publisher also to reorder 20 Tuberous Begonia books from England. Announced that the Inglewood Branch had donated their Library to the ABS.

Show Committee: Reported continuing progress. Donations to the Trophy Fund needed.

Slide Librarian: 3 slide program requests processed.

Public Relations Director: Presented Monterey Area Branch Charter for signatures. \$30.00 check to be sent to the Branch to assist them in establishing the Branch.

Research Director: Reported balance in Research Fund totaling \$697.52; correspondence with Universities in regards to Begonia research.

Nominating Committee: Presented slate of officers as follows: President Elect, John Provine; Secretary, Mrs. Irene Grannell; Treasurer, Walter Barnett; Vice President 1 year, Charles Richardson; Vice President 3 years, Prof. Fred Barkley or Jack Golding; Secretary to arrange for P.O. Box and permit for ballots.

The Editor was commended for the May issue. The Parliamentarian was requested to review the ABS Constitution and By Laws for publication in The Begonian as recommended by the Editor.

The Membership Secretary to prepare a notice for the magazine regarding the increase in Postal rates.

Following Branch reports, the meeting adjourned.

Respectfully submitted
Irene Grannell, Secy.

CALENDAR

July 6 — North Long Beach Branch, 7:00 p.m. Pot Luck. Speaker, Sylvia Leatherman, "Rexes".

July 15 — Foothill Branch, 8:00 p.m. George P. Hanson, "Damage To Plants From Smog and Air Pollution".

July 20 — Seattle Branch, 7:00 p.m. Discussion of Show plans.

July 26 — ABS Board: South Gate City Auditorium, 4900 Southern Ave., South Gate, Calif. Meetings are always open to members.

August 5 — Westchester Branch, 7:30 p.m. Speaker: Mr. Walter Watchorn, "New Hybrids".

August 5 — Whittier Branch, 7:30 p.m. Surprise Program.

Visitors are always welcome at these meetings.

VISIT A BRANCH THIS MONTH

HEINLEIN NURSERY 19395 S. W. 248th Street Homestead, Florida 33030

12 nice-size plants (our choice) \$10.00
postpaid. (Send \$2.00 extra for
special handling and insurance.)

You may select 12 of any of the following:

BROMELIADS	FOLIAGE PLANTS
FERNS	SPECIES ORCHIDS
BEGONIAS	VINES

OR MIXED

Send stamped envelope for information

Pioneer High School, Whittier is the place; September 4th and 5th are the dates for the 39th Annual ABS Begonia Show.

SECOND CLASS MAIL
American Begonia Society
6157 Lime Avenue
Long Beach, California 90805

**BEGONIAS — AFRICAN VIOLETS
EPISCIAS
PLANTS and CUTTINGS**
FREE PRICE LIST
WILSON'S GREENHOUSE
OZARK, MISSOURI 65721

BEGONIAS
Many varieties of *Begonias* listed.
Rex, Rhizomatous, Cane, and Rare,
including B. Versicolor
Price list — 10c
MRS. ROSETTA WHITE
1602 N.W. Third St., Abilene, Kansas 67410

Cloxinias—African Violets—Begonias
Varieties which thrive under
fluorescent light
New Catalog—25c
KARTUZ GREENHOUSES
Dept. B—92 Chestnut Street
Wilmington, Massachusetts 01887

ANTONELLI BROTHERS
2545 Capitola Road
SANTA CRUZ, CALIFORNIA 95060
36-page color catalog 25 cents

LEAVES & CUTTINGS
Begonias, named 20 for \$6.00
Rex Cane Rhizomatous
Begonias, unnamed 32 for \$6.00
Rex Cane Rhizomatous
AIRMAIL POSTPAID
Complete illustrated instructions with order
ALICE MUSY, Box 7, Valrico, Florida 33594

**EXOTIC FERNS, BEGONIAS,
BROMELIADS & CHRISTMAS CACTUS**
NEW CATALOG 25c
No Shipping to Florida
TALNADGE FERN GARDENS
Section B, 364 "G" Street
Chula Vista, California 92010

BEGONIAS & PLATYCERIUMS
REX BEGONIA SEED — \$1.00 per pkt.
RUDOLF ZIESENHENNE
1130 North Milpas Street
SANTA BARBARA, CALIFORNIA 93103

GREEN HILLS NURSERY
Exotic & Hardy Ferns
Open Saturdays and Sundays
10 a.m. to 4 p.m. or by appointment
2131 Valjejo Street St. Helena, Calif. 94574
Mrs. E. Bolduc

SPOONIT
FLOWER FOOD
Send Post Card for Information and Sample
PLANTSMITH
Box 818 Palo Alto, Calif. 94302

**BEGONIAS, GERANIUMS, EXOTICS
FERNS, OXALIS, CACTI, HERBS**
New 75th anniversary catalog, with more color—50c
LOGEE'S GREENHOUSES
(Est. 1892)
55 North Street, Danielson, Connecticut 06239

LOWE'S NURSERY
REX BEGONIAS (110 varieties listed)
Rhizomatous, Angel Wing, Miniatures and
other Odd and Rare *Begonias*.
BROMELIADS and ORCHIDS
Wholesale & Retail — New price list now ready, 10c
23045 S. W. 123 Rd., Goulds, Florida 33170

GRO-LUX LAMPS—BLACK LIGHT
All sizes of lamps and fixtures
for residence or business.
FLUORESCENT TUBE SERVICE
13107 S. Broadway, Los Angeles, Calif. 90061
Phone (213) 321-6900