

# The BEGONIAN

MAY, 1969

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dues, address changes, or magazines:

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

## *Begonias Galore—*

# **BEGONIA CONVULVACEA**

By ELDA HARING, Greenwich, Connecticut

One of my favorite *Begonias* and one I find so very easy to grow is *B. convulvacea*. As its name implies, it is a climber or twiner. First discovered in 1853 in Brazil, it deserves to be better known by *Begonia* lovers everywhere. The leaves are rounded with irregular points somewhat like those of the morning glory and they are pale green. Large clusters of white flowers appear in late winter and early spring and the clusters hang on for many weeks.

When I first saw it at Paul Lowe's in Goulds, Florida, I found it incredible that it would actually attach itself by adventitious roots to a wooden fence or pole as English ivy does. I had not known that in the large *Begonia* genus there were species which are considered climbers.

My original plant obtained six years ago lives under fluorescent lights in my basement. Here at the edge of one shelf, it trails down four to five feet and if I would permit it to do so, it would climb upward as well. Each summer it is clipped back sharply. Naturally the clippings are used for cuttings which root readily in sand or vermiculite. The plant in the photograph was rooted last summer. It had been my intention to plant it so that it would climb a wooden pole which my husband had cut for me for this purpose. Unfortunately, the cutting was allowed to grow too large for this purpose. The idea was to place one or more cuttings at the foot of the pole in a rather large pot and allow

them to attach themselves as they grew. However, as I am now doing some experimenting using species and hybrid *Begonias* for hanging baskets, the one pictured will be transferred to a large hanging basket. In the meantime, it is a handsome plant and looks very well on a plant stand or in a tall footed compote.

I have found that *B. convulvacea* is perfectly happy in any soil mix I give it whether it be packaged soil or our own mixture of equal parts of garden loam, peat moss and sand plus a four-inch pot of lime and one of superphosphate to each bushel of the mix. In winter it thrives in full sun in my greenhouse but by mid-March, it must be shaded from the hot afternoon sun. Feeding each time you water using one-eighth strength Plant marvel or Rapid-Gro will encourage young plants to grow by leaps and bounds.

*Begonia convulvacea* is one everyone should get to know.



Photo by Walter J. Haring

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### **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*; 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*.

# BEGONIA BOWERI AND FAMILY

By HELEN MATSUBU, Fruitland, Idaho

Drawing for this article by the author. See photo, page 112.

Editor

*Begonia boweri* (Mexico), named for *Begonia* grower Bower. "Eyelash" *Begonia* with delicate green leaves stitched with black on the edge, regular eyelash bristles. Sprays of shell-pink flowers. May be temperamental on a window sill; demands protection, humidity, and light humusy soil. Creeps on top of soil in shallow pot, likes baskets. Good subject for terrariums; grows to specimen stature in sphagnum moss. This is the way it is described in Brilmayer's book, *All About Begonias*.

*B. boweri* has played a big part in producing some of the nicest hybrids. Most of them are small leaved and have the eyelash edging. Culture of the *B. boweri* hybrids and the *boweri* species is like most other rhizomatous *Begonias*. The *boweri* species will come fairly true from seed although I did grow *B. boweri nigramarga* from the Clayton M. Kelly Seed Fund and got a variation. They were very slow to start but once they got on their way, they grew quickly. I almost threw them away because they were so slow. Anyway, I got three plants out of the one planting. Two of these are very nice full plants. The one plant is quite larger in leaf size but has the same markings (Fig. 2). The leaf size difference is as great as shown. The small



leaf is one by one and a half while the large leaf is two by two and a half inches. I hope someone will let me know which one is classed as the true *B. boweri nigramarga*. Both are lovely.

*B. boweri* hybrid seed will come out with variations of some kind. As you can see in the list that follows, the parentage is quite large on some of them. If I had done better on my research, I could have probably listed more.

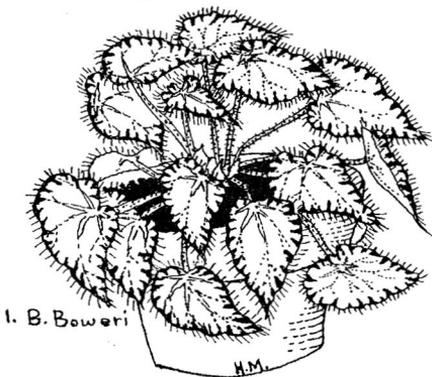
There are four species: *B. boweri*, *B. boweri major*, *B. boweri nigramarga* (dark edge), and *B. boweri nigramedia* (dark leaf).

Seedlings of unknown crosses with *B. boweri* include: *B. 'Bow-Chancee'*, *B. 'Cleopatra'*, *B. 'Maphil'* (may-fil), *B. 'Kenan'*, and *B. 'Virbob'*.

## COVER PICTURE

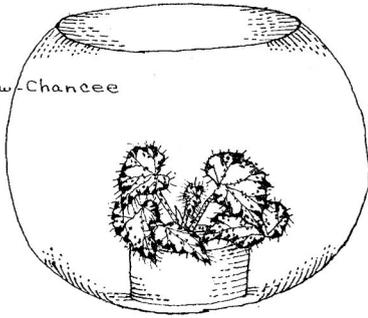
*B. boweri* is a Mexican species which is especially attractive because of its "eyelash" edge. The "eyelash" is a dominant characteristic of almost all members of the family. This family is thoroughly covered in this issue with the article beginning on this page and a description of Mrs. Mark Zemansky's exhibit in the International Flower Show in New York (page 112). Leaves of *B. boweri* and family.

Drawing by Helen Matsubu



The Begonian

3.  
B. Bow-Chancee



Named hybrids of *B. boweri* x *B. 'Joe Hayden'* include: *B. 'Bow-Joe'*, *B. 'Emerald Sheen'*, and *B. 'Mottled Sheen'*.

Named hybrids of *B. boweri* x *B. mazae* include: *B. 'Ilsley'* and *B. 'Clifton'*.

Named hybrids of *B. boweri* x *B. sunderbruchii* include: *B. 'Dark Beauty'* and *B. 'Beatrice Haddrell'*.

Two back-crosses (a cross made with a plant and one of its parents) resulted in *B. 'China Doll'* from *B. 'Bow-Arriola'* x *B. boweri* and *B. 'Persian Brocade'* from *B. boweri* x *B. 'Maphil'*.

Other named hybrids include: *B. (boweri* x C42) '*Bow-Arriola*', *B. (boweri* x *heracleifolia nigricans*) '*Bow-Nigra*', *B. (boweri* x '*Black Shadow*') '*Chantilly Lace*', *B. (boweri* x '*Reichenheimii*') '*Edith M*', *B. (boweri* x *strigilosa*) '*Norah Bedson*', *B. (boweri* x *hydrocotylifolia*) '*Spaulding*', *B. (liebmanii* x *boweri*) '*Zee Bowman*', and *B. (kenworthyi* x *boweri*) '*Chaoyancy*'.

Although this list is not complete, it does show the hybridizing which has been done with *B. boweri*.

Many of these as seedlings stay so small for such a great length of time that they are nicely grown in a small bubble (Fig. 3) or in a terrarium planting (Fig. 4).

Like most rhizomatous, they enjoy a light porous soil that doesn't hold water too long. My rhizomatous seem to like it on the dryer side. When watered, I use water a little warmer than room temperature. I found I was losing many of my plants through

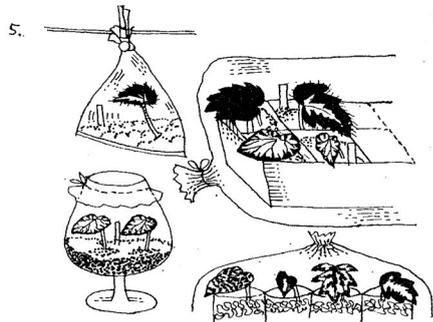


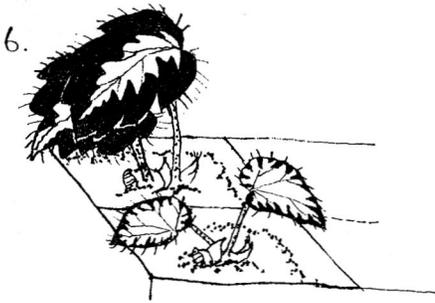
4.  
Terrarium  
with driftwood  
& Begonia  
seedlings.

shock of cold tap water. Our ground freezes here during the winter and the tap water gets like ice water.

I do most all my growing under lights and believe that I have been leaving my lights on much too long and hope to segregate the rhizomatous from the others and control the lights to see what I come up with. Have heard from robin friends who grow under lights also that they have been having some luck cutting the length of time they left their lights on. Especially in the fall months where the days start to get shorter. May have something to report a little later. To my knowledge, none of my rhizomatous have gone so dormant that they lose their leaves or drop a few. This could be because I have not had too many in bloom and this may cause them to rest for a while.

Leaf cuttings are much fun (Fig. 5). Although you might have to protect your leaves as they are much smaller





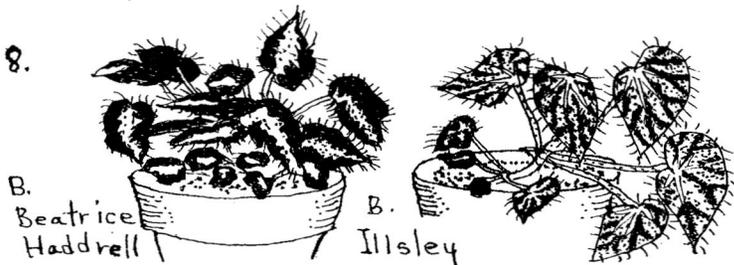
and thinner. The medium can't be too moist or they rot very easily. Use a dryer medium, then cover it with a plastic bag. It seems to work much better, at least for me.

Rhizome cuttings (Fig. 6) root very quickly and readily again in a dryer medium. By dryer, I mean that if you pinch the vermiculite, the water barely comes out of it. I use vermiculite alone or a combination of vermiculite and perlite. If it is saturated to the point that you can get a drop of water out, it is too moist. This works for me but may not for others. Also some of the hardier leaves can be started in water (Fig. 7).

The way plantlets come up is interesting too (Fig. 8). Some come up in a big bunch while others may only put up one or two plantlets.

My cover illustration shows some of the leaves *B. boweri* has helped to produce. I'm sorry I did not include some that I have listed but I have not had the pleasure of seeing all of them.

If you have *Begonias* of the *boweri* family, I'm sure you're enjoying them very much and if you don't, you are in for pleasant surprises at how adaptable these lovely plants can be. Do try a few or all of them, they are well worth it.



## INFORMATION, PLEASE

To this date there have been no questions received through the U.S. Post Office. However, I want to make the deadline and continue the column so that no one would lose interest in it, especially me.

I would like to add a few ideas to the column and hope it meets with your approval.

First, I'd like to add that since we as a Society are interested not only in *Begonias* but all shade plants, I feel that you should not confine yourselves to the one plant family. There are problems that arise with all plant families and their different genera. For example, let us say that you would like to ask a question concerning your

*Columnneas*, geraniums, or even orchids, but you feel reluctant to because this is the American Begonia Society and don't think you ought to ask about other plants. All I ask of you is why not? Most of us who like one plant family have a lot of others growing alongside.

So dig out your problems and let's get going with the answers. Perhaps I can save you some heartache by giving you a working remedy about whatever concerns you and your plants. Again, do send in questions about any of your shade plants and I will do my best to help you.

Since I have received no questions by mail, I will put some in this column that were asked of me personally or in robins. These having been taken from notes I will not use names, but the questioner should be able to recognize his question.

Q. From a robin member in Ohio: Are those thick stems on *Begonias* such as *B. 'Rudy'* actually upright rhizomes?

A. Officially, yes, but the Westchester Branch in its research, claims there should be a new classification of *Begonias* regarding such. This is the purpose of the Classification Committee of the A.B.S. They are studying the classification of over 1,000 *Begonias* and hope to produce a classification before too long. This is a tremendous project which they have been working on and studying for over a year now.

Q. From a robin member in a *semp* robin: What is the best way to take cuttings from *sempps* so that they will grow symmetrically?

A. Although I have heard some people say they did have success from tip ends, all the authorities say to take cuttings from a lower branch where there is already a little bushiness. Most claim that tip ends on *sempps* will cause a branchless plant to develop without even basal shoots.

Q. From a personal friend: Is there any cure for root nematodes in African violets?

A. Most books and authorities will tell you to just throw the plant away. Many organic gardeners have two cures which they claim actually work. The first cure, they say, if your plant is in a big enough pot put a dwarf Mexican marigold into the same pot as a companion plant and all nematodes will disappear. But, of course, not all pots will allow for a second plant, so the other cure they claim is to immerse the whole plant into a pail of water that has a temperature of 120° which is hot enough to kill the nematodes but not too hot to cook the plant. I know many people may say it is ridiculous and since I never had an epidemic of nematodes, I never had the need, fortunately, to try it. But if anyone has the need of experimenting, why not see if it works since you would have to lose the plant otherwise. After trying, however, don't forget to isolate the plant after the immersion.

Q. From another member of the *semp* robin: What are the actual light requirements of *sempps* and *rexes*?

A. From my own experiences, I have learned that *sempps*, especially the calla varieties, can take full sun, including a southern exposure. But you will find at times a completely different color in both flower and leaves. I have one that gives me pale pink flowers in shade, and deep red in full sun. As to *rexes*, I do know that they need very little light and I have had them bloom in almost none. But I have had *rexes* that could take full sun and others, most to be sure, would have burnt leaves under those circumstances. It is best to grow them under the shade of trees outside or on the north side of your house, if you have no greenhouse or lathhouse.

For happy growing, send your questions to:

Ben Marcus  
1547 W. Eighth St.  
Brooklyn, N.Y. 11204

# CLAYTON M. KELLY SEED FUND

## Instructions—

"*Begonias From Seed—Sowing and Growing*" gives step by step easy-to-follow instructions and encouragement for beginning seed growers. Price 25 cents.

## Indian *Begonias* (1-11)—

We have had numerous requests for *Begonia* seed from India and after much correspondence and waiting we have located the seed listed here. We hope all of you will try them as we are most anxious to have them grown to maturity and produce seed which are very difficult to acquire.

The wild *Begonias* of India are either herbs or undershrubs with tuberous or rhizomatous roots. Their stems are cylindrical and jointed, generally swollen at the nodes, and they possess watery acidulous juice. They grow in the ground but also are found on rocks or clefts of trees where a little earth has accumulated. In the cool valleys of Chittagong, the natives use the leaves as herbs. The taste is pleasantly acid and not unlike sorrel.

In most cases these plants have one half of the leaf smaller than the other, the base forming two rounded lobes. All of the parts of the plants are particularly tender and brittle. The flowers grow in axillary peduncles branching into a cyme, each of the ramifications of the cyme has a pair of stipules at the base. The flowers stand upon slender stalks.

Indian *Begonias* thrive in moist, shady places in the subtropical zones of the world—India, Africa and South America. They are all most graceful objects and in moist uncultivated valleys, where undisturbed they attain their full luxuriance in small groups.

## No. 1—*B. picta*—

Grows on rocks or in crevices of stone walls. Flowers are large and conspicuous of pale rose color. The leaves are nearly equally cordate, pilose above and often variegated. Very ornamental. Price \$1.00 per pkt.

## No. 2—*B. deliciosa*—

Synonym Bhotan species. Medium, bushy, smooth; branches frequently angle off from thick red joints and, if near the soil, will send out roots. Leaves deeply lobed palmately, dark olive-green, heavily gray-spotted, red beneath. Flowers large, fragrant, soft pink, usually in two-flowered inflorescences. Good *Begonia* of great beauty when properly grown. Price \$1.00 per pkt.

## No. 3—*B. xanthina*—

Ovate leaves which are unequally cordate. Flowers are of medium size and conspicuously yellow. Capsule has unequal wings, one very much elongated. Price \$1.00 per pkt.

## No. 4—*B. sikkimensis*—

Thick root stock and when mature, the plant carries a stem fifteen inches high. The leaves are round lobed almost to the very base and the lobes themselves are also incised and lobed. They grow on rocks and shed their stems and leaves at the advent of winter. Easily recognized on account of their lobed leaves. Price \$1.00 per pkt.

## No. 5—*B. lutea*—

Ovate leaves on long petioles. Flowers white or pink and sometimes yellow. Price \$1.00 per pkt.

## No. 6—*B. gigantea*—

Conspicuous plant growing to about two feet, being the largest of all Indian *Begonias*. Leaves are very unequally, deeply auricled on one side. Peduncles are short, dichotomous with many small white or pink flowers. Price \$1.00 per pkt.

## No. 7—*B. laciniata boweringiana*—

Roundly ovate leaves on long petioles. The leaves are unequally cordate and acutely lanceolate. The peduncles are axillary as long as the leaves, bearing two to six flowers of which generally more than half are stamen bearers. Price \$1.00 per pkt.

**No. 8—*B. josephii*—**

A denizen of the misty regions growing as it does, above 5000 feet elevation and can be easily recognized by its peltate leaves. This plant is very variable in size and habit, carrying small rose-red flowers. Price \$1.00 per pkt.

**No. 9—*B. andersonii***

Price \$1.00 per pkt.

**—No. 10—*B. cathcartii*—**

Cordate leaves that are acute and glabrous. Easily distinguished by the numerous scattered hairs on its stems. Flowers pink or pinkish white. Price \$1.00 per pkt.

**No. 11—*B. rubro-venia*—**

Elliptic, lanceolate, acuminate leaves, can be easily recognized by rose-red veins especially on the under surface of the leaves and by the grayish-white, large irregular patches on the upper surface of green leaves. The flowers are borne in axillary peduncles, usually branched near the top bearing white flowers. Capsules often recurved, about one-half inch including the wings. Price \$1.00 per pkt.

**New semperflorens—**

***B. s. c.* 'Wodka'—**

By Benary. F<sub>1</sub> hybrid and is beautiful beyond description. The entire plant is covered with large brilliant red flowers with fluffy yellow centers. Plants is smallish and will complement other shade loving plants outdoors or will make a gorgeous pot plant. Price 50 cents per pkt.

***B. s. c.* 'Cocktail'—**

By Benary. In this package you will find several different colors such as deep red, pink, multi-colored pink and white and white. From one package of seed you may have a brilliant display of various colors. Nice. Price 50 cents per pkt.

**GREENHOUSE PLANTS**

***Chirita primalina*—**

*Gesneriaceae*. Branching plant with large ovate, soft hairy, opposite leaves with toothed margins, and whorls of scillary flowers; pouch-like, white and lavender. Price 50 cents per pkt.

***Didymocarpus podocarpa*—**

*Gesneriaceae*. (Sikkim Himalaya) Tropical herb with erect, fleshy stem and pairs of hairy, sharply-toothed leaves; axillary flowers a swelling white trumpet flaring into light blue lobes, on slender stalks. Price 50 cents per pkt.

***Loxostigma griffithii*—**

Would like information and correct spelling on this one. Comes from India. Price 50 cents per pkt. We presume it to be of the *Gesneriaceae* family and a greenhouse plant. Do you know it?

Please send requests for seed to:

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



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Beginner by Dorothy Behrends
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- Classification Guide—Compiled by ....\$1.25  
the Westchester Branch, A.B.S.
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and Dorothy Behrends
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# NOMINATION TIME FOR AWARDS

By MARGARET M. LEE, *Awards Chairman*

Nominations are now in order for the three top annual Awards of the American Begonia Society. (See Minutes, March 24, 1969, page 116.)

The Eva Kenworthy Gray Award is presented to a person who has contributed original literary material which aided members in their study of *Begonias* or who has been outstanding in his promotion of interest in the culture of *Begonias* and the creation of good will and understanding between members in their search for knowledge of *Begonias*. He need not be a member of the A.B.S.

The Herbert P. Dyckman Service Award is to be presented to a person who has rendered outstanding service to the A.B.S.

The Alfred D. Robinson Memorial Medal is awarded for an outstanding *Begonia* hybrid and the pertinent rules are as follows:

1. All *Begonia* nominees must have been registered with the A.B.S. nomenclature director.
2. The originator of the *Begonia* nominee must be a member of the A.B.S.
3. The *Begonia* nominee must have been released to the public for at least five years, but not more than ten years prior to nomination.

Each nomination for the Eva Kenworthy Gray Award and for the Herbert P. Dyckman Service Award must be accompanied by a list of specific reasons as to why the nominees are deemed worthy to receive one of these awards and no nomination will be considered without such a list.

Please keep the above guidelines in mind and give these matters your most careful consideration, and make your nominations to a member of the Awards Committee who are:

Mrs. Margaret M. Lee, Chairman  
1852 31st St., San Diego, Calif. 92102

M. Carleton L'Hommedieu  
370 Locust Ave., Oakdale,  
L.I., N.Y. 11769

Mrs. Thelma C. O'Reilly  
10942 Sunray Pl., La Mesa, Calif. 92041

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Mrs. Carrie Karegeannes  
3916 Lake Blvd., Annandale, Va. 22003

Rudolf Ziesenhene  
1130 N. Milpas St.,  
Santa Barbara, Calif. 93103

All nominations must be in the hands of the committee by July 1 of the year such nominations are being made.

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## CULTURE AWARD ANNOUNCEMENT

By MARGARET M. LEE,  
*Awards Chairman*

The Certificates of Award for Culture are again available to Branches upon request without the stringent requirements that were in effect last year. (See minutes, March 24, 1969, page 116.)

A maximum of four Certificates of Award for Culture may be obtained upon request from the Awards Chairman. A certificate may be awarded for the best fibrous, best rhizomatous, best *rex*, and best tuberous *Begonia*.

The requirements for awarding these Certificates of Award for Culture from the A.B.S. are that the plant must be judged by at least three registered A.B.S. judges and obtain a rating of 85 or more points according to the A.B.S. scale of point scoring.

Please allow ample time for receipt of these Certificates of Award for Culture as each certificate is done by hand and requires approximately three hours to prepare.

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# BEGONIAS FOR THE HERBARIUM

By DR. BERNICE G. SCHUBERT, *Cambridge, Massachusetts*

*Dr. Schubert is Associate Curator of the Arnold Arboretum of Harvard University, 22 Divinity Ave., Cambridge, Massachusetts 02138. Several months ago, I began working with Dr. Schubert on a very interesting project. We are striving to identify unnamed cultivated Begonias. I have sent several herbarium specimens to Dr. Schubert; many additional ones will be completed and shipped this year. This article is a result of the A.B.S. Research Department's herbarium project.*

*In 1968, the A.B.S. presented the Eva Kenworthy Gray Award jointly to Dr. Schubert and Dr. Lyman B. Smith, Senior Botanist at the Smithsonian Institution in Washington, D.C. for their work in the study of Begonias. It is an honor to be working with Dr. Schubert on this project.*

Thelma O'Reilly,  
*Research Committee*

In the course of correspondence with the Director of Research of the American Begonia Society, Mr. Carleton L'Hommedieu, the suggestion was made that it might be helpful to both *Begonia* growers and botanists if there were established an herbarium collection of cultivated *Begonia* species and hybrids which would serve as a documented reference file to aid in the accurate naming of cultivated material.

The preparation of such a collection would aid growers in maintaining accurate records and would establish a scientific basis for future work in *Begonia* genetics and hybridizing which has in many cases been lacking.

The Research Committee agreed to sponsor such a project by the members of the A.B.S. It is as a result of this decision that an invitation is offered to the members to send pressed specimens from their collections to be

incorporated in the herbarium of cultivated plants of the Arnold Arboretum of Harvard University.

To simplify the labor involved as much as possible, the paragraphs which follow are offered as an aid in the preparation of herbarium specimens. More complete information and additional references may be found in the articles cited in the bibliography.

I am grateful to my colleague, Carroll E. Wood, Jr., who made many helpful suggestions and to Diane C. Johnson who drew the two illustrations.

A pressed, dried herbarium specimen with accurate data, although no substitute for the living plant, serves as a permanent record and a voucher for research studies in botany, horticulture, and plant breeding, and as documentary evidence in many allied fields. It is important, therefore, to make a specimen which will show the characters of the plant clearly and to provide for it a label with as much pertinent information as possible.

The *Begonia* grower (amateur or professional) presumably has a notebook or file with recorded data about each plant. If he is about to prepare herbarium specimens for the first time and has not already done so, he should number each plant, enter the number on the appropriate record, attach this same number to the herbarium specimen sent for determination and deposit in the collection of cultivated plants of the Arnold Arboretum. Accordingly, plant No. 23 grown by John Jones will have its records under number 23 in his card file or notebook and the herbarium specimen will be labelled JOHN JONES no. 23, April 1968 (or whenever it is taken). The determination, when it is returned to Mr. Jones, will be under number 23 in the list. (For specimens

**ARNOLD ARBORETUM, HARVARD UNIVERSITY**

Begonia

Stemless plant with peltate leaves; flowers terminal, white; female flowers with 5 tepals; male flowers with 2 tepals; stamens numerous on a short column; capsule with one wing larger than the other two.

Grown from seed collected in Guatemala in 1967.

**Cultivated.** Jones Greenhouse, Ipswich, Massachusetts

Coll. John Jones, no. 23

October 15, 1968

Fig. 1. Sample label form.

**Sources of Supplies:**

Cambosco Scientific Co., Inc.  
37 Antwerp Street  
Brighton Station  
Boston, Mass. 02135

Plant presses  
Ventilators (cardboard)  
Botanical driers (blotters)  
Mounting Supplies

Carolina Biological Supply Co.  
Elon College, North Carolina  
*and*  
Powell Laboratories Division  
Gladstone, Oregon

Plant presses  
Ventilators (cardboard)  
Botanical driers (blotters)

General Biological Supply House  
8200 South Hoyne Avenue  
Chicago, Illinois 60620

Plant presses  
Ventilators (aluminum & cardboard)  
Botanical driers (blotters)

Ward's Natural Science Estab., Inc.  
P.O. Box 1712  
Rochester, N. Y. 14603  
*and*

Plant presses  
Ventilators (cardboard)  
Botanical driers (blotters)

Ward's of California  
P.O. Box 1749  
Monterey, California 93942

Bio Metal Associates  
P.O. Box 61  
Santa Monica, California 90406

Plant presses  
Ventilators (cardboard & plastic)  
Botanical driers (blotters)

taken from the wild a somewhat different system may be used, but this one should be satisfactory for cultivated collections of moderate size.)

Before actually preparing the specimen, a simple label should be made on which pertinent data are recorded. This is to be kept with the specimen sent for determination; without it the specimen has no value in the herbarium. (See sample label form, Fig. 1.)

The basic procedure for making herbarium specimens is to lay the plant (or portion of a plant) out flat, place between absorbent papers and blotters and under even pressure with moderate heat so that it will lose moisture, dry, and become stiff enough to handle easily. Since *Begonias* are usually so very succulent, this is not an entirely simple procedure.

Herbarium sheets are a standard size (eleven and a half by sixteen and three-eighths inches), so the specimen should be prepared to lie nicely within these limits. From the assembled supplies (listed separately), a press is made up as the specimens are prepared, in the following manner: The specimen (consisting of a whole plant, if small enough, or a leafy branch with flowers, fruit, a split tuber or portion of the rhizome) should be laid between the halves of the folded newspaper (to which its number has been added), leaves straightened, at least one or two turned so the lower surface shows, inflorescence flattened, and particular care taken that some flowers of each sex are open in order that the parts may be examined with ease (Fig. 2). It is often helpful to place a few opened flowers between small pieces of wax paper in the news sheet. The folded sheet with its specimen should be placed between driers (blotting paper) and these between ventilators (corrugated boards with the corrugations going across the width of the boards, i.e. in the short direction). The sequence should then be ventilator, drier, specimen, drier, ventilator, drier, specimen, drier, ven-

tilator, etc. etc. The accumulated bundle should then be placed between the press frames, firmly strapped or tied, and placed in the very warm sun, or near a heater, or some other source of DRY heat (Fig. 3.). After twelve to twenty-four hours the press should be opened, the wet driers replaced with dry ones, the damp ventilators also replaced, and the whole retied. This process should be continued as long as moisture is left in the papers and specimens and as long as the specimens do not remain stiff when held in one hand. The more often the driers and ventilators can be changed the more quickly the specimens will dry and the better their natural color will be preserved. Both driers and ventilators may be reused after drying.

For shipment, the specimens (in newspapers) with the label inserted in each, should be neatly piled, placed between firm pieces of cardboard, and firmly tied; wrapped in heavy paper and tied with stout string.

#### Supplementary Notes:

Equipment for making herbarium specimens:

1. Press frames (not more than 12 x 17 inches)
2. Straps or heavy cord
3. Driers (heavy blotting paper cut to size)
4. Ventilators (corrugated boards with corrugations going across their width)
5. Newspaper
6. Tags (tag with number to go on specimen)

Press frames may be made from slats of tough, fairly flexible, well seasoned wood, one to one and a half inches wide. These should be arranged horizontally and vertically to form a lattice not more than seventeen by twelve inches with the spaces between them one to two inches square. The frames may also be made of strips of split bamboo. If a simpler method is needed, a thick board may be placed over the driers, ventilators, and contained specimens with pressure from appropriate weights added on top.

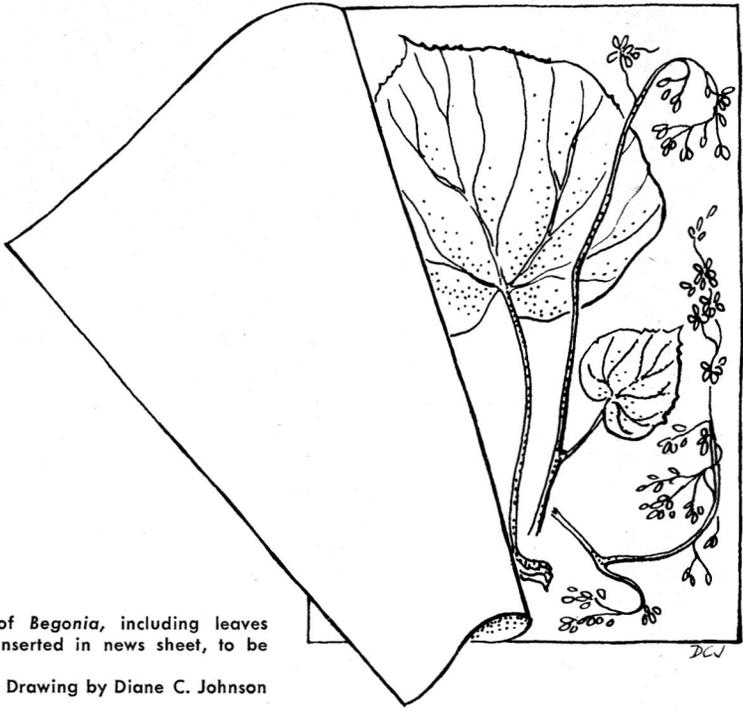


Fig. 2. Specimen of *Begonia*, including leaves and inflorescence, inserted in news sheet, to be pressed.

Drawing by Diane C. Johnson

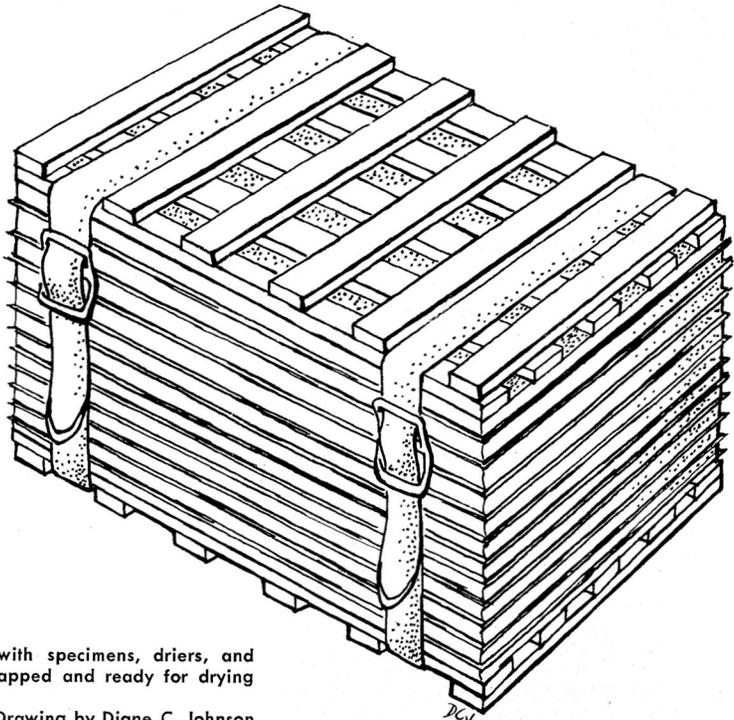


Fig. 3. Plant press with specimens, driers, and ventilators, tightly strapped and ready for drying by heat.

Drawing by Diane C. Johnson

The specimen with numbered tag and label goes into the folded news sheet; the number should also go on the outside of the news sheet (with felt marking pen).

On the label, or on a supplementary sheet should be written the NAME of the species, if known; if a hybrid, names of parents; if a commercial type, the cultivar name. LOCALITY from which original plant was collected and date (if known); any information about the native habitat. All PERTINENT INFORMATION about the plant from which the specimen is made: height of plant, texture of stem (herbaceous, woody, succulent); color, shape and margins of leaves, leaf-texture (papery, leathery, succulent), whether smooth, hairy or scaly; color of flowers, number of tepals (colored segments) in male flower, in female flower. NOTES, please, about whether plant is tuberous or rhizomatous, a cane type, or stemless, and any other useful data. SKETCHES are useful to supplement descriptions. PHOTOGRAPHS, if available, are extremely helpful.

Dr. Richard Howard (1968) has experimented with a freeze-dry technique which seems to be useful in shortening the length of time necessary for drying succulent plants. His procedure involves freezing flattened specimens in a freezer or with dry ice in a chest or box, returning to air temperature for the liquid to drain, then placing in a press with gradually increasing pressure as moisture is expressed, and finally, placing (in dry papers in a tight press) over heat, where drying will be rapid.

Dr. Gordon DeWolf (1968) has a useful list of sources of herbarium supplies which is reproduced here for the convenience of readers.

#### **Bibliography:**

DeWolf, G. P., Jr. Notes on making an herbarium. *Arnoldia* 28: 69-111. 1968.

Fosberg, F. R., & M.-H. Sacht. Manual for tropical herbaria. *Regnum Vegetabile* vol. 39. 132 pp. 1965.

Howard, R. A. A freeze-dry technique for the plant collector. *Rhodora* 70: 410-418. 1968.

## MY UNKNOWN BEGONIA

By MICKEY MEYER, *Quaama, Australia*

Reading Elda Haring's interesting article about *Begonia* 'Pinafore' has prompted me to wonder if my unknown beauty is a seedling of *B.* 'Pinafore' as Elda says her seedling leaves are much larger than the parent's.

The leaves of my unknown are a greenish-bronze on top and almost a wine red underneath with the white dots on top each with a bristly hair in the center and showing through on the underside in a pinkish shade. The mature leaves are nine inches long and at the broadest end, four and a half inches wide; they are similar in shape to *B.* 'Lucerna' but do not curl under at all as that one does sometimes. (Or is that only a fault in my growing care?)

It is a vigorous grower but has not flowered yet as I purchased it in January. It was about seven inches high then. Now in early March, three stems are about eighteen inches high and growing madly. When each stem reaches two feet, I'll pinch them back to encourage bushier growth at pot level—it is branching out on the stems even without a pinch.

I have it on the top row of a three tier pot stand. It gets sunlight through green heat-resistant glass for three-fourths of the day. In any less bright place I think the coloring would be deeper.

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# THE KNICKERBOCKER BRANCH AT THE INTERNATIONAL FLOWER SHOW

By JACK GOLDING, *Kearny, New Jersey*

*I sincerely regret that I cannot list the names of all the winners from the Knickerbocker Branch. It is an impressive list of both people and plants. The list of winners along with this report and the pictures enclosed have been sent to our Historian, Mrs. Edna Burkett. To the Knickerbocker Branch and each of the winners, we send our congratulations and thanks for a job well done.*

Editor

Under energetic leadership of the committee co-chairmen, Mr. Toby Lothman of New York City and myself, the Exhibit Committee was able to present a very informative and interesting show at the International Flower Show at the New York Coliseum, March 8-16, 1969.

Despite the extremely limited space of ten feet by ten feet, we were able to have three educational exhibits and 46 plants were entered in the competitive show.

The educational exhibits were very attractive and created considerable interest.

The exhibit "*Begonia*, the Mimic" created by Mrs. S. A. Hessel of Washington, Connecticut, which won a Gold Medal Certificate, was arranged on vertical boards with small hanging pots of *Begonias* and pictures of the objects they imitated. The following

were included in the display: *B. Weltoniensis*'—maple leaf; *B. nelumbifolia*—lotus leaf; *B. ulmifolia*—elm leaf; *B. 'Washington Street'*—peach leaf; *B. alnifolia*—adler leaf; *B. 'Riciniifolia'*—castor leaf; *B. Calla* type—calla lily; *B. 'Speculata'*—grape leaf; *B. 'Bunchii'*—lettuce; *B. conchaefolia*—nasturtium leaf; *B. kenworthyi*—ivy; *B. limningheiana*—shrimp; *B. s. c. 'Lucy Lockett'*—rosebud; *B. mannii*—rose-leaf; *B. foliosa*—fern; *B. cubensis*—holly leaf; *B. 'Argenteo-guttata'*—trout; *B. 'Erythrophylla'*—pond lily leaf.

Another interesting exhibit prepared by Mrs. Mark Zemansky of Teaneck, New Jersey, showed "A *Begonia* Family—*Boweri* and Its Hybrids" and won a Gold Medal Certificate. (See article, page 100.) A plant of *B. boweri* in a small terrarium was surrounded by its various hybrids with an identification label showing the plant name and its parents. The following plants were shown: *B. 'Chantilly Lace'* (*B. boweri* x *B. 'Black Shadows'*), *B. 'Norah Bedson'* (*B. boweri* x *B. strigillosa*), *B. 'Iillsley'* (*B. boweri* x *B. mazaе*), *B. 'Maphil'* (*B. boweri* seedlings), *B. boweri major* (variety), *B. 'Bow-Chancee'* (*B. boweri* seedling), *B. 'China Doll'* (*B. 'Bow-Arriola'* x *B. boweri*), *B. 'Bow-Joe'* (*B. boweri* x *B. 'Joe Hayden'*), *B. boweri nigramar-*

(Continued on Page 114)



Photos by Jack Golding

## BESSIE RAYMON BUXTON BRANCH EXHIBIT

By RUTH P. MERRY,  
Needham, Massachusetts

The Buxton Branch of the A.B.S. was very happy to have a small part of the 98th New England Spring Flower Show of the Massachusetts Horticultural Society in Boston from March 15 to 23, 1969. Under the leadership of Mrs. Raymond Cronin, a simple terrace garden under a simulated lath-house was staged that slanted especially to the backyard gardener.

A figure of St. Francis shaded by *B. luxurians* and *B. 'Mrs. Fred T. Scripps'* and a corner using *B. masoniana* Irmscher with ferns were featured amongst beds of various *semperflorens*, including the Butterfly and Cinderella hybrids, and edged with *rex Begonias*. A hanging basket of *B. 'Richmondensis'*, *B. 'Ricky Minter'*, *B. 'Beatrice Haddrell'*, *B. 'Thurstonii'*, *B. 'Crystal Lake'*, and *B. 'Sir Percy'* were among others used.

A stone bench invited guests to sit a spell and enjoy our garden. We were pleased to receive a first prize.

---

### IN MEMORIAM

*They are not lost who find  
the light of sun and stars and God.*

#### JOHN DONALD MARTIN

John Martin, 67, Hawthorne, California, passed away March 1, 1969. He was a charter member of the North Long Beach Branch and currently a member of the Redondo Area Branch. John was a loyal worker and gave many hours of his time, not only to the A.B.S. but to the California National Fuchsia Society in which he served as Second Vice President and President of the Gardena Valley Branch. He was also President of the Long Beach Hobby Council. John will be greatly missed by all who knew him.

## ROUND ROBIN NOTES

Our "Spring Thing" is the enthusiasm shared through the robin flights.

### Adventitious Growth:

A number of *Begonias* produce leaflets or plantlets on their leaves or stems and the trait occurs in various sections of the country. Thelma O'Reilly, La Mesa, California wondered about certain factors triggering a division of meristematic cells. Others mentioned humidity and light as promoting the growth on *Begonias* prone to it. Carrie Karegeannes of Annandale, Virginia wondered if a long and complicated ancestry—and therefore a complicated gene inheritance and structure — could contribute to an "over-abundance of meristem cells" or to instability of the structure. She also noted, however, that the tendency to produce adventitious growth seems to be passed on in hybrids. Possibly it was always an inherited trait from original species? Chuck reported *B. ('Reichenheimii' x mazaе)* 'Joe Hayden' had adventitious growth on its petioles during winter, when his humidity is up. Carl L'Hommedieu of Oakdale, Long Island, New York remembered growing *B. (incarnata x mazaе)* 'Luwalter' at Planting Fields—a plant from Bernice Brilmayer's collection. It made a very large plant and had adventitious growth on both stems and leaves. Carl's *B. templinii* (yellow-blotched sport of *B. phyllomaniaca*) was growing adventitious plantlets like mad after he placed it near the artificial lights. He likes to leave the plantlets on the parent leaf until they have fairly long stems. Young plantlets always seem to be plain green without any yellow markings, but one that was over a year old was showing the yellow.

### Sterility:

*B. 'Paul Bruant'* is usually sterile, Thelma finds. Her plant usually drops its male flowers and females rarely set seed, but she had sowed some from one attempted cross. She notes that

(Continued on Page 114)

## ROUND ROBIN

(Continued from Page 113)

most of the plants with adventitious growth are usually sterile (though sterility is rarely complete). Edna said she had not been able to set viable seed on *B. 'Paul Bruant'* either, or on *B. templinii*. Carl's *B. 'Paul Bruant'* was coming into bloom at the end of January, a little late this year because his porch was 5° to 8° cooler. Coolness makes a difference in time of flowering, he finds. The male flowers all fall off early for him, too; only the females open. They persist on the plant a long time after drying. Testing sterility of *B. phyllomaniaca*—another plant with adventitious growth—Chuck self-pollinated it and also crossed it with *B. purpurea*, *B. epipsila*, and others. Everyone set seed, but none showed signs of germinating even under a magnifying glass. Thelma has tried to hybridize *B. 'Madame Queen'* countless times, but never had a seed pod begin to dry. She wonders if others have had any success with this one. She was surprised to hear that another member had selfed seedlings from *B. 'San Miguel'*. She and others had tried for years to get seed from it without success, seed formed, that is, but did not germinate. A German hybridizer told Carl that *rex* cultivars with red designs are sterile; those with silver on green are fertile. Carl wondered if A.B.S. members' experiences matched this. He mentioned that his own try with *B. 'Fire Flush'* had given no germination.

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Mrs. Anita Sickmon  
Round Robin Director  
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Quarter Page.....	10.00	8.50
Per Inch.....	3.00	2.50

## KNICKERBOCKER

(Continued from Page 112)

*ga* (variety), *B. 'Zee Bowman'* (*B. liebmanii* x *B. boweri*), *B. 'Beatrice Haddrell'* (*B. boweri* x *B. sunderbruchii*), *B. 'Spaulding'* (*B. boweri* x *B. hydrocotylifolia*), *B. 'Baby Perfection'*, *B. 'Bow-Arriola'* (*B. boweri* x *B. C42*).

The third exhibit, arranged by Murray Morrison of the Bronx, New York, which won a Silver Medal Certificate was on the "Methods of Propagating *Begonias*." Examples showed growing from seeds in the various stages of development; stem cuttings rooted in vermiculite and also in plain water; rhizome cutting rooted in vermiculite; stem leaf cuttings, wedge section leaf cuttings and cone leaf cuttings all rooting in vermiculite.

The booth was judged in competition with the other plant societies and was awarded a Silver Medal Certificate by the International Flower Show.

## PLAN AHEAD

American Begonia Society  
National Show and Convention  
September 6 and 7, 1969

Eastern Regional Show and  
Convention  
September 19 and 20, 1969



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#### RHIZOMATOUS BEGONIAS \$1.25 each

'Angie', 'Leo Rowan', 'Leslie Lynn', 'Missouri', 'Ricky Minter', *heracleifolia nigricans*, 'Randy', 'Roberta', 'Ricinifolia', 'Regency', 'Wilda', 'Vernon'

#### FIBROUS BEGONIAS \$1.00 each

'Annabelle', 'Argenteo-Guttata', 'Bleeding Heart', 'Beach Leaf', *echinosepala*, 'Green Medora', 'Helen', 'Helena', *incarnata*, 'Jean Pernet', 'Medora', 'Spring Song', 'Sir Arthur', *acida*, 'Corbelle de Feu', 'Digswelliana', 'Thurstonii'

#### FIBROUS BEGONIAS \$1.25 each

'Otto Hacker', 'Elaine', 'Frances Lyons', 'Pinafore', 'Robinson's Peach', *coccinea rosea*, 'President Carnot', 'Sophie Cecile', 'Ross Swisher'

#### HAIRY FIBROUS BEGONIAS \$1.25 each

'Alto Scharff', 'Chocolate Soldier', 'Conbow', 'Credneri', 'Campenes', 'Dwarf Houghtonii', *hugellii*, 'Margarita', 'Nelly Bly', *metallica*, *prunifolia*, 'Irene', 'Raphael'

#### REX BEGONIAS \$1.00 each — Leaves 35c each

'Amy', 'Alice', 'American Beauty', 'Black King', 'Bertha McGregor', 'Bro Paul', 'Blushing Ole', 'Cardoza Gardens', 'Crimson Glory', 'Cora Miller', 'Curly Stardust', 'Dottie', 'Evergreen', 'Fiesta', 'Fairy', 'Forty-Niner', 'Glory of St. Albans', 'Green Countess', 'Green Gold', 'Helen Lewis', 'Helen Teupel', 'Mikado', 'Jack Frost', 'Lillian', 'Les Matheson', 'Lucy Closson', 'Merry Christmas', 'Mountain Haze', 'Old Smokey', 'Peace', 'Shirt Sleeves', 'Sue Zug', 'Silver Lake', 'Sandy', 'Winter Gardens', 'White Lace', 'Venetian Red', 'Red Berry', 'Sir Roy Yewell'

Send 10c for a complete list of plants we grow.

## MINUTES OF THE A.B.S. BOARD

March 5, 1969 (condensed)

The meeting was called to order at 8:00 p.m. The original meeting of February 24 was postponed because of heavy rains. Jim Somes led the Pledge of Allegiance and Vera Naumann read the Aims and Purposes. Ten officers and five National Directors answered the roll call. The minutes of the last meeting were read and approved.

The secretary read a letter from Margaret Lee requesting a change in the rules concerning the Alfred D. Robinson Medal Award. Subject was to be considered further at the next meeting, and several were to investigate past action on Awards.

Anne Rose reported \$17.50 received in paid ads this month.

Walter Barnett reported a balance on hand of \$909.85, receipts of \$1,393.12, disbursements of \$1,041.14, leaving a balance of \$1,261.83.

Mrs. Gee reported the Knickerbocker Branch purchased 1,000 copies of the reprints on growing Begonias from seed.

Ruth Pease reported there were 157 registered judges courses to date.

Pearl Benell disbursed a total of 2,745 *Begonians* this month. There are 2,319 members in good standing to date.

The Research Director reported he is trying to establish communication with eight former contacts which had been interested in *Begonias* in the past.

The question of the charge for slides was raised by the Slide Librarian. A motion was made by Gene Daniels, seconded by Vera Naumann, that a fee of \$2.00 per program plus return Air Mail postage be charged for the use of the slides. Many of these are complete programs for a meeting. Carried.

A motion was made by Jim Somes, seconded by Ruth Pease, that the motion for the Convention Meeting which was tabled last month be opened. Jim reported on the various buildings available. Discussion followed. The question of holding the *Begonia* Show at the Hawthorne Building was defeated. Gene Daniels moved, seconded by Anne Rose that the Show be held at the Los Angeles County Arboretum. Carried. Vera Naumann was to verify the dates.

Ruth Pease moved, seconded by Nettie Daniels that we purchase a \$20.00 ad in the Fern Show Program again this year.

The Glendale Society extended an invitation to a Regional meeting July 27, 1969 with a donation plant table. Walter Barnett moved, seconded by Gene Daniels, that the invitation be accepted. Carried.

The meeting adjourned at 10:40 p.m.

March 24, 1969 (condensed)

The meeting was called to order at 8:00 p.m. Jim Somes led the Pledge of Allegiance, Vera Naumann read the Aims and Purposes. Thirteen officers and twelve National Directors answered the roll call. The minutes of the last meeting were read and approved.

The treasurer, Walter Barnett, reported a balance of \$1,261.83 on hand, receipts of \$1,051.90, disbursements of \$750.38, leaving a balance of \$1,563.35.

Margaret Lee, Awards Chairman, raised the question of clarifying the information concerning the Awards. (See articles, page 106.) It was moved by Mabel Anderson, seconded by Gene Daniels that Item 5 of the Alfred D. Robinson Award rules be deleted. Carried. Ruth Pease moved, seconded by Eleanor Hastings that Item 3 be changed to read "The *Begonia* nominee must have been released to the public for at least five years, but not more than ten years prior to nomination." The originator of the *Begonia* hybrid is responsible for its release to the public. Carried. Item 4 was changed to read "The Nomenclature Director should provide all the information regarding release date and adequate description of the *Begonia* to this committee on request." Motion was made by Mabel Anderson, seconded by Vera Naumann. Carried. The Awards Certificate are to revert to the prior method of request. Motion made by Walter Barnett, seconded by Gene Daniels. Motion was made by Vera Naumann, seconded by Jim Somes that the Certificates be limited to the four classes of *Begonias*. Carried. Gene Daniels moved, seconded by Eleanor Hastings that the order be placed for more Alfred D. Robinson Award medals. Carried.

Muriel Perz notified the Board that the Bodily Injury and Public Liability policy is due.

Advertising Manager, Anne Rose, reported \$57.50 in paid ads.

Ruth also reported the Judges cards are laminated now. Margaret Lee moved, seconded by Jim Somes that \$88.22 be paid to Wilbur Olson for printing expenses for the Judges courses.

Librarian, Lucile Wright, was back after illness and turned in a check to the treasury for \$75.00.

Pearl Benell reported 2,318 members in good standing, and 2,616 *Begonians* disbursed during the month.

The dates for the annual show and convention are September 6 and 7 at the Los Angeles Arboretum.

Vera Naumann read a letter from the Seattle area of a complaint of not receiving the Awards ribbons, and that it is eight months since the request. Margaret Lee reported the ribbons are on the way to them.

Walter Barnett moved, seconded by Gene Daniels that the rules be laxed and the Awards sent to Seattle since the change was late for their show. Discussion followed, and the motion carried.

Judges cards must be requested in order to be on the Society list according to area.

Research Director reported a request for payment of a bill for supplies for Thelma O'Reilly. Carried.

Eleanor Hastings made a motion, seconded by Margaret Lee that the Treasurer buy stencils and paper necessary to make a new roster.

The Board approved the appointment of Lillian Steinhaus, Ruth Pease, and Chuck Tagg as the nominating committee.

The meeting adjourned at 10:45.

Virginia Barnett, *Secretary*

## CONFUSION

There are many people who are confused about *The Begonian* schedule for publication. Many members are disappointed when they send in material on the fifteenth of March to find that it does not appear in the April issue.

The schedule is simple though confusing. From the time of the Board meeting (March 24, for example) until the fifth of the following month (April 5), I do little else than work on *The Begonian* (the May issue)—retyping articles, cropping pictures, checking ads, and making up the layout. *The Begonian* is delivered to the printer to be set in type and within ten working days, I am proofreading the final page proofs. Within three days after that, *The Begonian* is on the press in the final run. By the 26th or 27th of April, the May issue is delivered to the Membership Secretary for distribution.

I do not recite this schedule for the purpose of having you keep track of the publication progress of *The Begonian*, but to give you some insight into the job of the Editor.

You will notice on page 70 of the March issue, "Attention Secretaries", that even the Editor becomes confused. There are times when, as my son says, "I have poor thinking." This was one of those times. As you can determine from the above schedule, a deadline of April 25 for information for the Branch Directory which appears in the May issue is impossible when by that date, the May issue is being boxed for delivery to the Membership Secretary.

At any rate, I owe all of you an apology for my "poor thinking" and will proceed with repairs to my "thinking cap" for future issues.

Mae Tagg, *Editor*

## THE LOS ANGELES INTERNATIONAL FERN SOCIETY

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Saturday, May 17, 1969

1 p.m. to 10 p.m.

Sunday, May 18, 1969

10 a.m. to 6 p.m.

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**DEMONSTRATIONS:** Platycerium mounting; basket planting; growing hardy ferns; greenhouse culture; care of rare and exotic ferns.

**PLANT SALES:** Plants available for purchase at each demonstration area.

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# BRANCH DIRECTORY

VISITORS ARE ALWAYS WELCOME AT THESE MEETINGS

## BRITISH BRANCH

F. J. Bedson, Secy., Kent, England

## BUXTON, BESSIE RAYMOND BRANCH

3rd Saturday, Homes of Members  
Mrs. Nancy Alvard, Secy.  
48 Norton Rd., Quincy, Mass. 02169

## CONNECTICUT BRANCH

4th Sunday of each month  
Mrs. Peggy E. Fratus, Secy.  
1363 Boston Post Road  
Old Saybrook, Conn. 06475

## DALLAS COUNTY, TEXAS BRANCH

3rd Monday, 10 a.m., Members' Homes  
Mrs. Mae Blanton, Secy.  
Rt. 1, Box 558, Mesquite, Texas 75149

## EAST BAY BRANCH

2nd Thursday, 7:45 p.m., Willard School  
Telegraph at Stuart, Berkeley, Calif.  
Charles Badcock, Secy.  
2325 Esmond, Richmond, Calif. 94804

## EASTSIDE BRANCH

4th Wednesday, 7:30 p.m.  
Natural Gas Co. Bldg.  
Crossroads Shopping Center, Bellevue, Wash.  
Mrs. Mildred F. Shirley, Secy.  
12229 N.E. 68th St., Kirkland 98033

## EL MONTE COMMUNITY BRANCH

3rd Friday, Members' Homes  
Mrs. Gladys Mattuket  
314 N. Rural Drive, Monterey Park, Calif. 91754

## FOOTHILL BRANCH

3rd Thursday, 8:00 p.m.  
La Verne Community Bldg.  
2039 Third St., La Verne  
Mrs. A. Esther Smith, Secy.  
309 E. Foothill Blvd., Pomona, Calif. 91767

## FORT, ELSA BRANCH

1st Saturday, 1:00 p.m.  
Miss Lola Price, Secy.  
628 Beach Ave., Laurel Springs, N.J. 08044

## GLENDALE BRANCH

2nd Tuesday, 8:00 p.m.  
Glendale Federal Savings, 401 N. Brand  
Mrs. Irene Grannell, Secy.  
1431 Coronado Ter., Los Angeles, Calif. 90026

## GREATER BATON ROUGE BRANCH

Mrs. Charles H. Smith, Secy.  
4177 Flannery Rd., Baton Rouge, La. 70814

## HOUSTON TEXAS BRANCH

2nd Friday, 10:00 a.m.  
Garden Center, 1500 Herman Drive  
Mrs. Grant Herzog, Secy.  
12601 Broken Bough, Memorial Station  
Houston, Texas 77024

## INGLEWOOD BRANCH

2nd Wednesday, 7:30 p.m.  
Western Federal Savings Bldg.  
355 E. Manchester Blvd., Inglewood, Calif.  
Mrs. Belle E. Chohanin, Secy.  
15700 Larch Ave., Lawndale, Calif. 90260

## KNICKERBOCKER BRANCH

3rd Tuesday, 7:30 p.m.  
McAlpin Hotel, New York City  
Mrs. Philip Sama, Secy.  
37 East 30th St., New York 10016

## LONG BEACH PARENT CHAPTER

2nd Sunday, 1:30 p.m.  
Glendale Fed. Sav. & Loan Bldg.  
5535 Stearns St. Cor. Bellflower, Long Beach, Calif.  
Mrs. Bernita McClanahan, Secy.  
1020 Poppy Ave., Compton, Calif. 90221

## LOUISIANA CAPITAL BRANCH

1st Friday, Sear's Garden Center  
6201 Florida St., Baton Rouge  
Mrs. Louis Stcard, Secy.  
4520 Clark St., Baton Rouge, La. 70811

## MESQUITE BRANCH

Mrs. Loretta Gibbons, Secy.  
3209 Hula Dr., Mesquite, Texas 75149

## MIAMI BRANCH

4th Tuesday, 8:00 p.m.  
Simpson Memorial Garden Center  
Miss Rosamond Meriweather, Secy.  
1552 Plascencia Ave., Coral Gables, Fla. 33134

## MISSOURI BRANCH

3rd Tuesday, 11 a.m.  
Members' Homes  
Kansas City, Mo.  
Miss Nine Austin, Secy.  
1104 Askew St., Kansas City, Mo. 64127

## NORTH LONG BEACH BRANCH

3rd Tuesday, 7:30 p.m.  
American Legion Post #560  
East 59th and Orange, Long Beach  
Mrs. Ruthealene Stark, Secy.  
6802 California, Long Beach, Calif. 90805

## ORANGE COUNTY BRANCH

2nd Thursday, 7:30 p.m.  
Garden Grove Grange Hall, Century and Taft Sts.  
Garden Grove, Calif.  
Mrs. William M. Hastings, Secy.  
621 Orchard St.  
Corona del Mar, Calif. 92625

## PHILOBEGONIA BRANCH

2nd Friday, Members' Homes  
Mrs. W. Storle Waefelaer, Secy.  
52 W. Cedar Avenue, Merchantville, N.J. 08109

## PORTLAND BRANCH

Mrs. Ruth Olsen, Pres.  
9207 N. E. Hancock Dr., Portland Oregon 97220

## REDONDO AREA BRANCH

4th Friday, 7:30 p.m.  
R. H. Dana School Cafeterium  
135th St. and Aviation Blvd., Hawthorne, Calif.  
Mrs. Dora Aaron, Secy.  
4820 W. 135th, Hawthorne, Calif. 90250

## RHODE ISLAND BRANCH

1st Saturday, Homes of Members  
Mrs. Robert Northup, Secy.  
555 Kingstown Road, Peace Dale, R.I. 02883

## RIVERSIDE BRANCH

2nd Wednesday, 6:30 p.m.  
Dales Recreation Center  
3936 Chestnut St., Riverside, Calif.  
Mrs. Tim Smith, Secy.  
8631 Clearview Pl., Riverside, Calif. 92509

## ROBINSON, ALFRED D. BRANCH

3rd Friday, 12 noon, Homes of Members  
Constance D. Bower, Corr. Secy.  
1609 W. Lewis St., San Diego, Calif. 92103

## SACRAMENTO BRANCH

3rd Tuesday, 8:30 p.m., Garden Center  
3300 McKinley Blvd., Sacramento, Calif.  
Mrs. Pamela Palmer, Secy.  
3120 El Camino Ave., Sacramento, Calif. 95821

## SAN DIEGO BRANCH

4th Monday, Barbour Hall  
2717 University Ave., San Diego  
Mrs. Mary L. Hofmann, Secy.  
2327 33rd St., San Diego, Calif. 92104

**SAN FRANCISCO BRANCH**

1st Wednesday, 8:00 p.m.  
Garden Center, Golden Gate Park  
9th Ave. and Lincoln Way  
Mrs. Lillian Lee  
738 22nd Avenue, San Francisco, Calif. 94121

**SAN GABRIEL VALLEY BRANCH**

2nd Friday, 8:00 p.m.  
Los Angeles State and County Arboretum  
501 N. Baldwin Ave., Arcadia, Calif.  
Mrs. Ruth Eppley  
9133 E. Longden Ave., Temple City, Calif. 91780

**SAN MIGUEL BRANCH**

1st Wednesday, Youth Center, Lemon Grove, Calif.  
Mrs. Margaret Lee, Secy.  
1852 31st St., San Diego, Calif. 92102

**SANTA BARBARA BRANCH**

2nd Thursday, 7:30 p.m.  
Santa Barbara Museum of Natural History  
2559 Puesta Del Sol  
Mrs. Marilyn Nielson, Secy.  
16 Plumas, Goleta, Calif. 93017

**SEATTLE BRANCH**

3rd Tuesday, 7:45 p.m.  
Loyal Heights Field House.  
21st Ave., N.W. and N.W. 77th St.  
Mrs. Phyllis A. Wright, Secy.  
536 N.E. 98th, Seattle, Wash. 98115

**SHEPHERD, THEODOSIA BURR BRANCH**

1st Tuesday, 7:30 p.m.  
Alice Barlett, C.C., 902 E. Main, Ventura, Calif.  
Mrs. Dorothy S. Moen, Secy.  
470 MacKay Ave., Ventura, Calif. 93003

**SMOKY VALLEY BRANCH**

4th Thursday, 7:30 p.m., Members' Homes  
Mrs. Ruth Beineke, Secy.  
1921 Highland, Salinas, Kansas 67401

**SOUTH CAROLINA BRANCH**

Charles W. Crawford, Secy.  
30½ Briarcliff Dr., Charleston, S. C. 29407

**SOUTH SEATTLE BRANCH**

4th Tuesday, 7:30 p.m.  
Wm. Moshier Field House  
430 So. 156th, Burien  
Mrs. Arthur Johnson  
12216 8th South, Seattle, Wash. 98168

**TARRANT COUNTY BRANCH**

2nd Monday, 10:00 a.m.  
Members' Homes  
Mrs. F. E. Mahler, Secy.  
1815 Sixth Ave., Fort Worth, Texas 76110

**TEXAS STATE BRANCH**

4th Thursday, Sabine National Bank Bldg.  
Port Arthur, Texas  
Mrs. R. J. Wilson, Secy.  
4620 Evergreen St., Port Arthur, Texas 77640

**TEXASTAR BRANCH**

3rd Thursday, 10 a.m., Garden Center  
1500 Herman Dr., Houston, Texas  
Mrs. V. O. Harman, Secy.  
306 Cody, Houston, Texas 77009

**WESTCHESTER BRANCH**

1st Thursday, 7:30 p.m., Westchester Women's Club  
8020 Alverstone St., Los Angeles, Calif.  
Mrs. Velma Hansen, Secy.  
5840 Compass Dr., Los Angeles, Calif. 90045

**WESTERN PENNSYLVANIA BRANCH**

2nd Wednesday, 11:00 a.m., Homes of Members  
Mrs. Irene Fediaczko, Secy.  
125 Arlington Ave., Butler, Pa. 16001

**WHITTIER BRANCH**

1st Thursday, 7:30 p.m.  
Palm Park Community Center,  
5703 S. Palm Ave., Whittier  
Mrs. Martha J. Rader, Corr. Secy.  
10934 E. Flory St., Whittier, Calif. 90606

**WILLIAM PENN BRANCH**

4th Tuesday, Noon, Homes of Members  
Mrs. Francis D. Crew, Secy.  
R. D. #1, Glenmorre, Pa. 19343

**CALENDAR**

May 1—Westchester Branch: "Epiphyllums" by Mr. Wressy Cocks. 7:30 p.m.

May 1—Whittier Branch: "Vegetative Propagation" by Carl Naumann. 7:30 p.m.

May 4—Long Beach Parent Chapter: Meeting at the home of Mrs. C. R. Davis, 5826 Barbanell St., Long Beach, Calif. 1:30 p.m.

May 9—San Gabriel Valley Branch: Mr. Frank Simmerly, Ass't. Supt. at Descanso Gardens, "Color in Your Garden". 8:00 p.m.

May 10—North Long Beach Branch: Rummage Sale, 9048 Margaret, Downey, Calif. 10 a.m. to 3:30 p.m.

May 14—Inglewood Branch: Annual Presidents' Dinner. Eagle Restaurant, 15449 S. Western Ave., Gardena, Calif. Choice of Cantonese or American cuisine. Speaker, courtesy of the So. Calif. Gas Co. Social Hour 6:00 p.m. Dinner 7:00 p.m. Donation \$3.50.

May 15-17—FLOWER SHOW, FEATURING *BEGONIAS*: May 15—12-9 p.m., May 16—9 a.m.-9 p.m., May 17—9 a.m.-12 noon. A project of Florida State Prison, Tallahassee, Florida.

May 15—Foothill Branch: Sally L. Suszek, Castus and Succulent grower, exhibitor and lecturer, "Culture of Cactus and Succulents." Potluck 7:00 p.m. Meeting 8:00 p.m.

May 20—Seattle Branch: General discussion on progress of plant project for our coming show. 7:00 p.m.

May 23—Redondo Area Branch: Whoopie Party. Donation plant table. 7:30 p.m.

May 26—A.B.S. BOARD: South Gate City Auditorium, 4900 Southern Ave., South Gate, Calif. Meetings are always open to members. 7:30 p.m.

May 28—Eastside Branch: "Soil Mixes—Sterilization, Materials, etc." by Elwood Avery. 7:30 p.m.

June 1—DEADLINE for all material for the July *Begonian*.

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