

The BEGONIAN



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Devoted to the Sheltered Garden

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of the American
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The BEGONIAN

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

FROM THE EDITOR

This month's cover picture is a charming rhizomatous from Fairyland that won, among others, the John Thieben Perpetual Award for the Best New Rhizomatous Begonia Introduction at the 1973 ABS National Show. The photograph was taken by Gene Daniels of the plant that was entered and won the award.

This seems to be the month for momentous events in the lives of begonia personalities. Part of this magazine is devoted to stories and pictures about Dr. Barkley and his change of jobs. Another educator of note in the begonia world, Professor Don Worth at California State University, San Francisco, reports that he has been awarded a Fellowship from the Guggenheim Foundation in New York. He was granted \$10,000 to continue his work in photographing the American landscape — with reference to the ways in which man's attitudes to Earth have changed since the beginning of the space age. This was the only Fellowship awarded this year to faculty members in the entire California State College/University system — and the first in the Art Department at San Francisco State University. Work will start in June and continue for a year of travel to Canada, Eastern United States, Mex-

ico, and Central America. Congratulations, Don. The ABS wishes you the best of good fortune in your work and travel during the coming year.

The ABS Board regretfully accepted the resignation of President Wally Wagner and installed President-Elect Margaret Ziesenhenne to complete his term of office. Wally's letter of resignation is published below along with a letter from new President Margaret Ziesenhenne.

Although there are no official condensed minutes of the last two Board meetings, an unofficial summary of the action taken is being published with the authority of new President Margaret Ziesenhenne. Secretary Margaret Ireton has been kept exceptionally busy with other work and has been delayed in publishing the minutes of the meetings.

Many of you have been receiving your magazines very late each month. As you will see in the minutes the Board is searching for a new mechanism for keeping the membership lists current and handling the mailing of the magazine. The job is becoming too cumbersome to be handled easily by a volunteer from amongst the membership. Please be patient with us until we get this problem solved.

Ed Bates
Co-Editor, *The Begonian*

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*.

LETTER OF RESIGNATION

American Begonia Society
Board and members,

After a lot of thought and consideration of the effects it might have, I have decided to resign as President of the ABS. Increased responsibilities in my new job which would prevent me from attending most of the board meetings, growing children who need more of my time, and a rapidly growing class of young marrieds at my church, all have combined to leave me little time to devote to the ABS. If I can't give my best to the Society then I am not being fair to all those who have put their trust in me. Therefore I feel I must turn the leadership over to another.

Since Margaret Ziesenhenné has been closely associated with all the decision making that has transpired this year I highly recommend that you install her as President to fill my term. This will allow a smooth transition. I have a lot of faith in Margaret's leadership. I'm sure she will do a great job.

I apologize for any inconvenience I have caused by a somewhat quick decision. I do plan to stay active in the society by accepting any task that I feel I can perform without hurting the priority items in my life. Thank you for your great cooperation during the time I served.

If I don't see you soon to thank you personally I will see you at the greatest Show and Convention we have ever had.

Sincerely,
Wally Wagner
April 2, 1974

MESSAGE FROM THE NEW PRESIDENT

It was with deep regret that I received a letter of resignation from Wally Wagner as president of the American Begonia Society.

Wally has served the Society faithfully for many years in his own branch and as ABS Public Relations Director, President Elect, and President. Having completed over seven months in the latter position, he may be considered, I feel, to have served a full term in the office and entitled to the honors of a past president. However we will make no change in that working position until after the annual meeting. I will need John Provine's advice and support to finish out this term and his further support in the new two-year term if it is my privilege to so serve you.

I would have preferred to go on as President Elect until the annual meeting but Wally's reasons for giving up the position are quite legitimate and we will look forward to his help when he can spare the time. There will be no changes in the other officers and committee chairmen, or The Begonian staff. The succession of the vice presidents, should I be absent or unable to perform my duties, is covered in the ABS by laws. In the absence of the senior vice president, the next one in line of seniority will serve.

We are all serving the ABS to the best of our ability. Although my consuming interest since childhood has been plants, I bring some experience as an officer in two other non-profit corporate organizations and

(Continued on Page 163)

COVER PICTURE

by Leslie Woodriff

Begonia 'Brown Eyes' is a cute little three inch pot plant that won the best new introduction trophy and the best new rhizomatous trophy at the 1973 national begonia show in Fullerton, Ca. This plant was selected from a hundred or so seedlings of *B.* 'Norah Bedson' x *B. imperialis*. This group of seedlings produced one of the widest ranges of leaf texture and coloration of any cross we have had in *Begonias*. They run from clear silver slick leaves to pebbly green with various mottlings and streakings. Some flower freely year round, others just flower in spring. So far none of this group have set seed with any

cross and usually lose the male flowers in the bud stage.

B. 'Brown Eyes' propagates well from leaf cuttings and we are building a small stock of this variety for sale. (Ed. note: see ad in this issue.) We grow our plants in a green house. The soil used is a mix of peat, vermiculite, sawdust and sponge rock. They are fed with a commercial fertilizer.

Many of this group of seedlings are interesting enough to be named but why clutter the literature when this is only the stepping stone to building the begonias of the future where we have unlimited foliage variation with double tuberous flowers that keep two months on the plant like *B. socotrana* and may be fragrant too.

FAIRYLAND PRESENTS . . .

B. 'BROWN EYES' — A miniature with textured leaves of silvery green with brownish purple spiderwebbing diffusing to a soft purple glow between veins. Truly an indescribable plant and winner of Best New Rhizomatous Introduction and Best New Introduction in the 1973 ABS Fullerton Show. (See cover and article)

B. 'TIGER STAR' — A medium sized star with 5" leaves of a soft lime green overlaid with rich chocolate brown tiger striping.

B. 'DONALD DUCK' — Double Red Tuberous x **B. solananthera** — An elegant basket plant accented with Bright red single and semi-double 2" flowers. A YEAR ROUND BLOOMER.

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B. 'Brown Eyes', B. 'Tiger Star' and B. 'Donald Duck' were exhibited at the 1973 ABC Fullerton Show and are now available in very limited quantities. Shipment of plants starting in July on a first-come-first served basis.

The Woodriff's

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EXHIBITING AND JUDGING RHIZOMATOUS BEGONIAS

By Ruth Pease

The Show Schedule for the ABS Annual Show will be printed in a future issue of the *Begonian*. The largest division is the rhizomatous begonia with its 18 different classes. These classes include small leaved, medium leaved and large leaved rhizomatous. Leaf margins may be even, cut, moderately cut, deeply cut, compounded, crested or spiral. Additionally there are classes for rhizome-like with erect stem begonias (upright rhizomatous); rhizome jointed at the soil line, with erect stem, and distinctive foliage types.

It can be seen that an entire begonia collection could comprise rhizomatous begonias alone. The ABS Annual Show is held around Labor Day each year and this is unfortunate insofar as rhizomatous begonias are concerned, because they are not in bloom then. This has been taken into consideration and the point scoring system for these plants can be adjusted by taking the points allowed for quantity and quality of blooms and distributing them among the other categories used while judging.

The point scoring schedule for cane-like, shrub-like, thick-stemmed and rhizomatous begonias is as follows:

Cultural perfection	35 points
Foliage	30
Quantity of flowers	10
Quality of flowers	10
Difficulty of cultivation	10
Correct and suitable labeling	5

It is known that there are many begonias with similar leaf shapes, coloring and habit of growth. The named varieties are not always the ones entered in shows. Judges must therefore be growers and recognize cultural perfection when they see it. They also need to look closely to see how many leaves are on a well-shaped plant and how many of them may have blemishes or holes.

Included in the point scoring book is a note: "If a plant has about 100 leaves and only 10 holes, only 10% of the 20 points should be deducted." Twenty points out of 100 is allowed for some categories. In the case of rhizomatous begonias, however, 30 points out of 100 is allowed for foliage. While this may give an exhibitor a feeling of security when there is keen competition between two plants, the plant with few or no holes in the leaves will win.

Difficulty of cultivation would only be used in very close competition. And a "sleeper" is the correct and suitable labeling. A very fine plant in close competition but lacking a label may lose because of five points being deducted! Even a label with unknown "rhizomatous" is better than none.

Judges should know their plants because rhizomatous, while for the most part symmetrical in growth habit, do have varieties that grow with leaves facing in one direction. Some have the habit of their rhizomes creeping over the container and curling downwards, i.e. *B. richii*.

We have mentioned in other articles removing the brown stipules on our begonias. This holds true for the rhizomatous begonia also. However, this is done when the plants are coming out of dormancy and you are checking them over, perhaps transplanting them. Removing the old brown stipules at this time is a matter of cleanliness. Later in the season the new stipules are considered this year's growth and should remain on the plants.

It should be pointed out that rhizomatous begonias are grown in many ways — in pots, hanging containers, in enclosed atmospheres, on rocks or trained to totem poles. Only those that are in clay or plain colored plastic pots or in redwood tubs are accepted in the rhizomatous division.

It is possible to enter rhizomatous begonias in other divisions such as species, begonia grown in a contained atmosphere, begonia hybrids in cultivation 25 years or longer, begonias grown in hanging baskets and wall pockets, novel grown begonias, new begonia introductions or begonia collections.

Each of these divisions are then broken down into classes, some having their own instructions included in the show schedule. For instance, in the rhizomatous division, leaf size is determined by the greatest dimension of the majority of leaves. This means a plant such as B. 'Ricinifolia' could be in large leaved (6" to 12") or in giant-leaved (over 12") depending upon the majority of the leaves on the plant. This type of classification gives all exhibitors an opportunity to win an award and also assists the judges in making

fair decisions — plants with the same habit of growth (leaf size in this case) compete against like plants.

Rhizomatous begonias may also be entered in new begonia introductions if they qualify. Rules are definite in this division and judges are selected for their knowledge of begonias. The rules include such statements as: original stock plants must have been in cultivation at least 36 months. This is stated clearly and must be observed by the judges. In the past a plant may have won in this division only to have passed on to begonia heaven the following year and no further notice given to it. The ruling was made to assure the plant had been grown for several seasons, had time to be propagated by the hibridizer and tested before being entered in this division. Another ruling is that eligible plants may not have been shown in competition before the current year's Annual Show. Exhibitors should read the entire division as printed in *The Begonian* before entering in the new introduction division.

The Annual Show will be held in Goleta this year and it is hoped that exhibitors will enter and take part in this their Annual Show and Convention. ABS President Margaret Ziesenhenné's Santa Barbara Begonia Branch is hosting the Convention. Let's help to make it a success.

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ABS NATIONAL CONVENTION & SHOW

September 6 - 8, 1974

Exciting plans were outlined at the combined meeting of the 1974 ABS Convention and Show committees in Santa Barbara recently.

Discussion of show exhibits, entries and placement, and plant sales tables were led by Gene Daniels, show chairman.

Convention meetings and banquet plans were outlined by Margaret Zieshenne, ABS president, while James Dodge, president of Santa Barbara Branch and housing chairman, explained reservation requirements and facilities charges at Francisco Torres, Goleta, where the convention is to be held. He told of plans for a city and garden tour on Sunday, September 8.

Room and meal reservations are to be mailed to Mrs. Ethel Arnold, 1734 Pampas Ave., Santa Barbara 93101.

Rudolf Zieshenne, ABS nomenclature chairman, is planning seminars throughout the day Friday and on Saturday and Sunday mornings. The ABS annual meeting will begin with a luncheon at 12 noon Saturday.

Lorraine Hansen, president of Theodosia Burr Shepherd Branch, told of arrangements for a social hour following the ABS board meeting in early evening Friday.

Rates of rooms, meals, and extra meals for guests are shown on the schedule from Francisco Torres below. The Santa Barbara Branch is working on a package plan which will include extra charges for banquets, social hours, and charge for

tours. The costs are being kept at a minimum.



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PLANTS BY THE BALE

A fascinating idea from England is growing plants on bales of straw. It has proved successful with greenhouse tomatoes and cucumbers, and the Lee Valley Experimental Horticulture Station says, "There seems no reason why the technique should not be tried out with a whole range of crops. It may well provide a method of raising seedlings of bedding plants, and it could be used to create a garden in a concrete backyard.

The basis of the system is fermentation of the straw, which produces heat just as fermenting manure does in a hotbed. A bale wired to hold its shape, is watered at intervals for 3 days until fully soaked. To induce fermentation, the Station watered in a 21% nitrogen fertilizer, giving 3 applications of 1 pound each at 3-day intervals. At the last application, 4 oz. of magnesium phosphate, 18 oz. potassium nitrate, and 10 oz. of triple superphosphate were added. At air temperatures of 50 degrees or higher, fermentation develops rapidly and in a few days the interior of the bale reaches 110 to 130 degrees. A thin layer of soil or

soilless mix is spread on the top of the bale, and the crop is planted in this.

The roots penetrate rapidly into the straw, and "growth has been tremendous," due both to the heat at the roots and the carbon dioxide rising from the decomposing straw. The straw must be kept moist, and the rule is to feed and water the bale as well as the plants. After use, of course, the rotted straw makes a fine soil amendment or mulch.

from SHADY NEWS
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BEGONIA PERSONALITY: DR. FRED BARKLEY

His students call him the "Begonia Man," and now he is retiring, leaving behind a botanical legacy: the second largest collection of begonias in North America.

In meeting Dr. Fred Barkley, one thing is quickly apparent, begonias are not merely objects of study, they are an ever present facet of his life.

His office, cast in an eerie purple glow from grow-lux lamps, is overrun with begonias of all shapes and sizes. One entire wall has been made into a makeshift greenhouse for seedlings and cuttings taken from the main collection.

The collection itself is enormous, filling two and a half greenhouses with 2000 plants representing some 300 species of begonia. In June, when Prof. Barkley retires from Northeastern University to become a professor of botany at the University of Khartoum, Sudan, the collection will be left to Northeastern.

There are some 1,200 species of begonia, and Dr. Barkley has gone all over the Western Hemisphere looking for them. With his wife, Elizabeth, who has her master's degree in botany, he makes annual trips to the tropics, including Mexico, Colombia, Venezuela, Central America, Jamaica, Honduras, Costa Rica and Guatemala, in search of the plants in their natural habitat. All of his plants are species found in nature, not horticultural (man-made) varieties.

"I enjoy this too much to call it work," said Dr. Barkley, a soft-spoken man with sparse gray hair, "so I guess you might say that I've played most of my life. My interest

in plants started in the third grade, growing up on a farm in Oklahoma."

Various teaching positions took him from Oklahoma to Texas, then to South America and in 1961 to the University of Bagdad, Iraq, where he had the distinction of having the largest — and the only collection of begonias in the country.

From Iraq he came to Northeastern University in 1965, where he is now a professor of biology. With him came cuttings from his collection in Iraq, which he eventually transplanted into the university's greenhouse in Woburn, Mass.

Dr. Barkley began his collection in 1957, with a begonia he bought from a local grocery store.

"At that time I was working in industry and just wanted a house plant. I got a begonia because I liked them. Later on when I was a teacher I needed something my students could work on for their morphological studies (the study of leaf and stem structure)," he said.

What began as a hobby remains, to some extent, a hobby. In his apartment, Dr. Barkley keeps some 85 pots of begonias ("My wife is a member of the American Begonia Society. Did you know there are so many begonia lovers in the country that the ABS publishes a monthly journal called *The Begonian*?"). He also spends one day a week at the university's greenhouse caring for the plants and supervising biology students. So far two doctoral dissertations and five master's theses have been based on the begonia collection.

(Continued on Page 163)

BARKLEY (BEGONIA) HERBARIUM

Northeastern University is retiring me this July as it has a mandatory retirement age. I have been given a professorship at the University of Khartoum, at Khartoum, Sudan, and Mrs. Barkley and I will be there about the first of July.

My personal collection of *Begonia* plants growing in the Northeastern University Botanical Research Greenhouses at Woburn, Massachusetts are being given to Northeastern University. Rooted cuttings of many of them are being distributed to members of the Buxton Branch of the Begonia Society.

The pressed herbarium specimens which have been accumulated from various trips to Mexico, South and Central America, which compose the Barkley *Begonia* Herbarium (along

with xerox material concerning many species of *Begonia*) are being donated to the National Herbarium at the National Natural History Museum of Smithsonian Institution.

Mrs. Barkley and I have enjoyed our association with *Begonia* lovers, and will long recall the happy and valuable hours spent with members of various branches of the American Begonia Society. I am particularly grateful to the American Begonia Society for the Eva Kenworthy Gray Award.

While we are closing the book on our major *Begonia* studies as of July, we hope that situations will arise where we can continue our interest in some ways.

Fred A. Barkley



Plate I. Mrs. Elizabeth and Dr. Fred Barkley examining a specimen of *Begonia lindleyana* Walpers growing in the permanent planting in the Northeastern University greenhouse at Woburn. (Photograph by JET Photographers, Boston.)

LEAF 'BULBS' IN BEGONIA

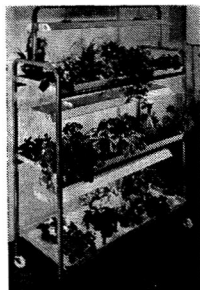
It is not unusual to find new plants developing in the sinus of the lamina of leaves of Rex begonias. Mrs. Nancy Alvord has brought in a plant showing tubers developing on the sinuses of Rex leaves. Some

of the leaves have been planted as Rex leaf-cuttings, but have shown no signs of germination of the "tuberlets."

Fred A. Barkley



A photograph of the plant showing developing tubers in the axils of leaves (Photograph by D. Jones.)



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BEGONIA ROOTS

It is common knowledge that dicotyledons have tap roots and that monocotyledons have fibrous roots which are adventitious on the bases of the stems. As far as I can find from literature, it seems that the idea exists that the primary (tap) root of *Begonia* seedlings produce the roots of the mature plants.

My experience with seedlings of *Begonia* is that only when they are transplanted so that the stem is partly covered with soil, does the plant really start to grow rapidly. The partial covering of the stem with soil means that adventitious roots on that stem are functioning.

It seems to me that very probably the adventitious stem roots are the ones really supporting the plant, and especially does this seem to be so in the 'cane' types. In nature one finds these usually reclining at least at the base, with many adventitious roots anchoring the plant.

I believe it is a subject that should be pursued.

Fred A. Barkley

Northeastern University, Boston

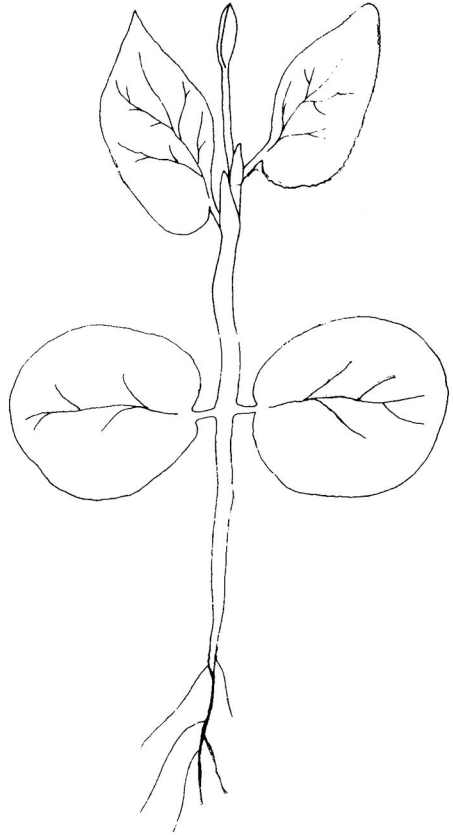


Figure 1 shows a *Begonia* seedling, showing its very diminutive primary root.

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SOME UNUSUAL BEGONIA INFLORESCENCES

In the understanding of the morphology or structure of plants, unusual structures are often of much help. Therefore, it seems desirable to record some of the unusual structures which appear, hoping that they will eventually lead to a fuller knowledge of the plants.

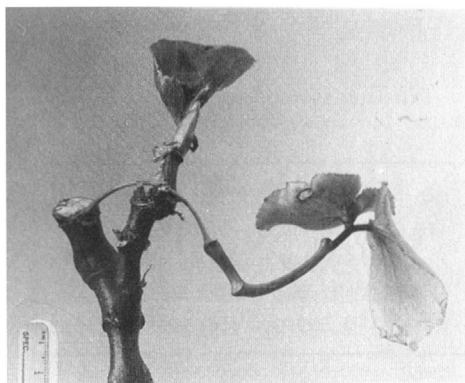
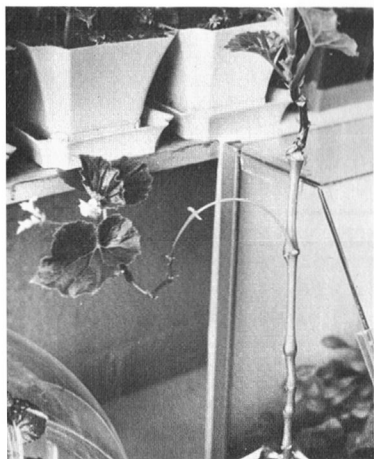
Recently a discussion* was published of an inflorescence with some flowers having superior carpels. Another aberration of the *Begonia* inflorescence much more common occurs. This is where the inflorescence is replaced partially or entirely by a vegetative branch. It occurs in a number of species of *Begonia*, but has been observed often in *B. cucullata* Willdenow by the present writer.

The two photographs show this type of vegetative replacement of the inflorescence. The figure to the left shows a flowering vegetative branch, and the figure to the right shows a vegetative branch which to date has not flowered. In both the normal vegetative branches have been removed to show the unusual inflorescences.

The writer has had some of these branches grow to over six inches, but eventually the delicate peduncle will not support them and they break off, but do not dehisce.

* Barkley & Boghdan. An Unusual *Begonia* Inflorescence. *Phytologia* 23: 323-326, 1972.

Fred A. Barkley
Department of Biology
Northeastern University



Inflorescences developing into vegetative branches.

BEGONIA EMINII WARBURG

While going over the literature on the section TETRAPHILA I find the name *Begonia rubro-marginata* Gilg, *Bot. Jahrb.* 34: 95. 1905, the description of which seems to fit this *Begonia* much better than that for *Begonia eminii* Warburg in Engler, *Pflanzenwelt* 282. 1894 (*B. convallyensis* A. Chevalier 1912, *B. macrostyle* Warburg 1895, *B. poggei* Warburg 1894, *B. warburgii* Gilg 1905), the name that this species is currently being called. This is a sturdy-look-

ing species, nevertheless it is difficult to propagate and touchy to grow; a very attractive species.

Another item from the literature study of the section TETRAPHILA is that the *Begonia* being raised under the name of "Cameroon Species" seems to be *Begonia gracilipetiolata* De Wildeman, *Flore de Baset du Moyne Congo* 5, 2: 319. 1906.

Fred A. Barkley
Northeastern University
Boston



Photograph by Donald Jones

CLAYTON M. KELLY SEED FUND

Pamphlets:

'Begonias from Seeds —
Sowing and Growing'
each \$.25

'Begonias in General —
Culture of Begonias'
each \$.50

Ju 1—*B. convallariodora*:

A loosely branched plant of about 3 ft.; leaves oval, pinnately nerved, flowers small, white, with the smell of lily-of-the-valley (hence the name). Not everybody can detect the smell. per pkt. \$1.00

Ju 2—*B. egregia*: syn.

B. quadrilocularis:

About 3 ft. high, leaves large, lanceolate. Flowers small, white, in large racemes, very fragrant. Unusual is that it has 4 wings to the fruit. per pkt. \$.50

Ju 3—*B. hydrocotylifolia*:

Well-known rhizomatous species, leaves rather small, broadly oval, glossy green, flowers in early spring, in large racemes, pale pink. per pkt. \$1.00

Ju 4—*B. involucrata*:

With a thick stem up to 2 ft. high, leaves oval, slightly lobed, softly hairy, flowers white, the inflorescence when young covered by large pinkish bracts, which later turn brown and drop off. per pkt. \$1.00

Ju 5—*B. macdouglii*:

Huge rhizomatous species with glossy, purplish green leaves, which are deeply lobed. Inflorescence in winter, up to 5 ft. high. Flowers greenish. A magnificent plant if one has room for it. per pkt. \$1.00

Ju 6—*B. megaptera*:

About 1 ft. high, completely glabrous. Stems brown, striped with white, leaves oval, with a few large teeth, flowers, large, pinkish. per pkt. \$1.00

Ju 7—*B. pruinata*:

Rhizomatous, leaves broadly oval, glabrous, flowers white. per pkt. \$1.00

Ju 8—*B. solanantha*:

Scandent, leaves rather small, broadly oval, glabrous. Flowers in pendant racemes, white with crimson blotch. A very free flowering and handsome plant. per pkt. \$.50

Ju 9—*B. villipetiola*:

Rhizomatous, leaves hairy, oval, flower stems 2 ft. high, hairy, with numerous white flowers. per pkt. \$1.00

Ju 10—*B. vitifolia*:

Height 3-4 ft., leaves broad, softly hairy on both sides, flowers white. This is the plant described by Hooker as *B. reniformis* in Bot. Magazine. per pkt. \$.50

Ju 11—Mixed rexes:

This is the same offer as in March. A new supply has arrived, but it has all the same characteristics, reds, greens, curls, double curls, etc. There should be some very pleasing plants from this mix. per pkt. \$1.00

(Continued on Next Page)

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11730 NORTHLINE, ST. LOUIS, MO. 63042

Correction:

In April, *B. malabarica* was described as *B. dipetala*, (which is quite common). The correct description is as follows: *B. matabarica*: leaves up to 6 inches long and 2 1/2 in. broad, completely glabrous petioles up to 2 1/2 in., red, flowers bright pink, wings on the fruit triangular, 15 mm at the top, 3 mm at the base. I have another supply of these, available as Ju 12. per pkt. \$1.00

Please make all checks or money orders payable: Clayton M. Kelly Seed Fund, and mail to: Mrs. Pearl E. Benell, 10331 Colima Rd., Whittier, Cal. 90604.

Seeds Needed!

Does someone have a few seeds of the true *B. coccinea*? I have a request for these for a special research project. It has been suggested the Clayton M. Kelly Seed Fund

man a table at the Annual show in Santa Barbara on September 5 thru 8. An awful lot of fresh, fertile seeds will be needed to make this project worth while. We need the assistance of a lot of people. I would like to have the seeds no later than mid-August, so they can be pre-packaged. Any variety is acceptable, as we have new growers, as well as the well-seasoned growers who like to attempt the hard-to-grow varieties. Please help. 10% of the profits of this fund goes into the fund for the book on species we hope to print in the not too distant future.

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ROUND ROBIN NOTES

Are you taking the Judging Course? One robin member wrote that she has just started the program and would like to be in a robin with other members taking it. It would make an interesting study group, if enough are interested for a flight on this subject.

From California, Betty Stuart reported that all her scraggly begonias were ready for repotting but a speaker at a recent branch meeting warned them not to repot plants until 2-3 weeks after grooming and cutting them back, to minimize the shock.

May Taft Drew of Pennsylvania finds that plants do not mind having a little of the root system removed if it grows through the pot hole, but when one is careless enough to let the roots grow into the peat or a porch box, or such, until the root forms a mass that will fill both your hands, then cutting all that off can be fatal, unless one prunes the top to correspond. That is based on her experience, not theory. She read an article advising keeping plant in the same pot by cutting off half the root system, putting new soil in the bottom of the pot and replacing the "bobbed" plant. It did not mention cutting back the top, which would seem necessary to her.

Mildred Swyka, Delaware, says any angelwing she uses for baskets seems to branch out by laying it horizontally in the pot.

Dora Lee Dorsey, Florida, recently learned that the *B. rubro venia* varieties will make tiny, tuber-like growth from cuttings and will come

out from that after the leaf or wedge has deteriorated. She had a tiny plant growing in the rooting section of her bench which was too small to identify. She potted it into a small pot and, to her amazement, as it grew she could recognize it as *B. rubro venia spotted*, which she had put down last summer and thought she had lost since it had died off. Two more she had in a plastic box from which she had transplanted everything but the rooting leaves. When she checked to see if they had rooted, they had tiny green tubers on them. Now potted into small pots with a tumbler over them, they are starting tiny sprouts of growth. She has tried for years to grow these without success. Now she hopes she has learned what some of her failures were, at least!

Wilbur Graves, Washington, checked his *B. ignea* to see how it had multiplied. From one tuber there are now six.

Edna Stewart, Pennsylvania, said she never uses a knife to make cuttings of any kind, always just using her fingers to break the cuttings. When they snap off sharply, they always root. She always advises new members to start a new plant for the old one can die so quickly. Edna hasn't had mealybugs for a long time. She dips plants in soapsuds and Black Leaf 40.

Zelda Isaacs, New York, reported on her experiments using various brands of cat litter. She tried Hart's Kitty Litter which is all clay. Seeds were up in less than a month with excellent germination. She had never

had such a return from begonia seed. The cuttings seemed to root amazingly fast. The roots were thick. If she turned the cutting upside down, the roots looked like a miniature bush. The one thing that she did not like was that the litter fell away from the roots. Whether or not they went into shock, she didn't know, as she gave them a friend who would report back to her on them. She tried Litter Green but advises against its use as it mildews so quickly.

Evelyn Clawson, New York, uses half-strength Transplantone when watering in a newly repotted plant. It really stimulates the formation of new roots and works on begonias as well as everything else, she's found.

The use of Aqua-Gro liquid wetting agent makes life easier in many ways, she said. She uses $\frac{1}{4}$ teaspoon per quart of water to dampen newly mixed potting soil or soilless medium. It means your peatmoss will get evenly damp immediately and doesn't have to stand around for days before use. You are sure when watering your plants that there are no dry areas left anywhere in the pot. She picked up advice on its use from a Cornell University bulletin, but prefers the liquid to the granular form they use. A third use has turned up in her plant trays. Pots stand on individual saucers, on moist trays. First she tried pebbles — they grew algae. Then vermiculite — too messy, and she suspects some insects breed in it while damp. Then she tried cat litter, which she had trouble dampening evenly until she used Aqua-Gro on it. It works beautifully and stays very clean. For this use she uses a stronger dilution,

1 teaspoon per quart water, using it ONCE every 3-4 months.

Evelyn lives in a six-room apartment with four-sided exposure. First she screwed down 12" wide boards on all the narrow windowsills, painting them white, and was able to double the number of plants she grew. In addition, she had mounted 2-tube industrial light fixtures in the cornices over two of her large windows, and they make all the difference in producing bloom with six hours of supplementary lighting in the short days of winter.

Ron Hambridge, England, roots all his cuttings of both species and tuberous begonias in small bottles of water, the bottles pressed into the sand of the propagator bed and the bed temperature 75°, with 99% rooting.

John Scott, Australia, likes to sow his begonia seeds during winter in propagator or, as last winter, in the fish tank under lights in his dining room where it maintains a temperature of 75°. They are then nicely on to take advantage of the spring and summer to make some good growth.

Virginia Maluy, California, pondered a long time on how to get gentle bottom heat, as the instructions said. Finally she hit on the idea of using a heating pad so she took some trading stamps and got one, brought it home, sowed her seeds in 2½" pots, put them in a plastic shoe box, put on the lid and proceeded to set it on the heating pad turned on low. It worked!

Mrs. Mae Blanton
Round Robin Director
118 Wildoak Drive
Lake Dallas, Texas 75065

NINTH EASTERN REGIONAL CONVENTION FLOWER SHOW SCHEDULE

DIVISION A—CANE-LIKE

Class:

1. Superba types
2. Mallet types
- ALL OTHER CANES:
 3. low (generally under 2 ft.)
 4. medium (generally 2 ft. to 4 ft.)
 5. tall (generally over 4 ft.)
 6. trailing types

DIVISION B—SHRUB-LIKE

BARE-LEAVED:

7. large leaved
8. large leaved, fleshy stemmed
9. medium leaved
10. medium leaved, fleshy stemmed
11. small leaved
12. small leaved, acuminata types

HAIRY LEAVED:

13. wide leaved
14. narrow leaved
15. compact

DIVISION C—THICK STEMMED

BRITTLE STEMMED:

16. large leaved
17. small leaved

WOODY STEMMED:

18. thick stemmed
19. taller growing

THICKSET:

20. thickset

DIVISION D—SEMPERFLORENS

SPECIES:

21. semperflorens types
22. schmidtiana types

HYBRIDS:

23. single flowered, green foliage
24. double flowered, green foliage
25. single flowered, bronze foliage
26. double flowered, bronze foliage
27. variegated foliage

DIVISION E—RHIZOMATOUS

SMALL LEAVED:

28. even margin
29. moderately cut margin
30. deeply cut margin
31. compound, crested, spiral

MEDIUM LEAVED:

32. even margin
33. moderately cut margin
34. deeply cut margin
35. compound, crested, spiral

DIVISION E—continued:

LARGE LEAVED:

36. even margin
37. moderately cut margin
38. deeply cut margin
39. compound, crested, spiral

GIANT LEAVED:

40. even and cut margins
41. compound, crested, spiral

RHIZOME-LIKE ERECT STEM:

42. even margin
43. moderately cut margin
44. deeply cut margin
45. compound, crested, spiral

RHIZOME-JOINTED AT OR BELOW SOIL

46. rhizome-jointed at or below the soil with erect stem

DISTINCTIVE FOLIAGE:

47. *imperialis*-like types
48. exotic types
49. compact

DIVISION F—REX CULTORUM

SMALL LEAVED:

50. spiral
51. non-spiral

MEDIUM-LEAVED:

52. spiral
53. non-spiral

LARGE LEAVED:

54. spiral
55. non-spiral

UPRIGHT STEMMED:

56. spiral
57. non-spiral

DIVISION G—TUBEROUS

SEMI-TUBEROUS:

58. *dregei*-like species and hybrids

TUBEROUS SPECIES & FIRST GENERATION HYBRIDS:

59. low growing
60. tall growing

TUBERHYBRIDA:

61. upright types
62. hanging types

HIEMALIS:

63. Rieger elatior varieties
64. all other hiemalis types

CHIEMANTHA:

65. all types

BULBOUS:

66. bulbous

DIVISION H—HANGING BASKETS

Class:

67. any variety from Division A
(except Class 6)
68. any variety from Division B
69. any variety from Division C
70. any variety from Division D
71. any variety from Division E
72. any variety from Division F
73. any variety from Division G

DIVISION I—CONTAINED ATMOSPHERES WITH SINGLE VARIETY OF BEGONIA) to be judged horticulturally)

RHIZOMATOUS:

74. small leaved
 75. medium leaved and large leaved
- DISTINCTIVE FOLIAGE:
76. rhizomatous, *imperialis*-like
 77. rhizomatous, exotic types
 78. shrub-like

REX CULTORUM:

79. small leaved
 80. medium leaved and large leaved
- SHRUB-LIKE:

81. all types except those with distinctive foliage

TUBEROUS:

82. semi-tuberous and tuberous

DIVISION J—SEEDLINGS

83. under 6 months
84. 6 months to 9 months
85. 9 months to 1 year

DIVISION K—CONTAINED ATMOSPHERES WITH MORE THAN ONE VARIETY OF BEGONIA (judged artistically and horticulturally)

ALL BEGONIA PLANTING:

86. bubbles and bowls
87. terrariums (square or oblong)
88. bottles

MIXED PLANTING WITH BEGONIAS DOMINANT:

89. bubbles and bowls
90. terrariums (square or oblong)
91. bottles

DIVISION L—NOVEL METHODS OF GROWING

92. totem poles and trellises
93. rock plantings
94. driftwood plantings
95. unique containers
96. Bonsai
97. standards

DIVISION M—ARTISTIC ARRANGEMENTS ROOTED AND GROWING

- ALL BEGONIAS (judged artistically and horticulturally)
98. INDIAN SUMMER THEME
 99. KALEIDOSCOPE THEME

DIVISION N—ARTS AND CRAFTS

(related to begonias)

100. Needlework
101. Painting in color
102. Painting in black and white
103. Woodwork
104. Any other craft

DIVISION O—PHOTOGRAPHY*

(slides and prints of single begonias) (to be judged artistically)

105. black and white print
106. color print
107. color slide
108. print of flower or flower cluster
109. slide of flower or flower cluster

DIVISION P—NOVICE GROWERS

110. any cane-like
111. any shrub-like
112. any thick stemmed
113. any semperflorens
114. any rhizomatous
115. any rex cultorum
116. any tuberous
117. any variety in a hanging basket
118. any variety in a contained atmosphere

DIVISION Q—EXPERIENCED AMATEUR GROWERS

119. any cane-like
120. any shrub-like
121. any thick stemmed
122. any semperflorens
123. any rhizomatous
124. any rex cultorum
125. any tuberous
126. any variety in a hanging basket
127. any variety in a contained atmosphere

DIVISION R—COMMERCIAL AND PROFESSIONAL GROWERS

128. any cane-like
129. any shrub-like
130. any thick stemmed
131. any semperflorens
132. any rhizomatous
133. any rex cultorum
134. any tuberous
135. any variety in a hanging basket
136. any variety in a contained atmosphere

DIVISION S—NEW BEGONIA INTRODUCTIONS

137. new hybrid introductions
138. species introductions

* This division may be entered by mail. Details found in the Show Rules.

9th EASTERN REGIONAL CONVENTION FLOWER SHOW

September 12, 13, 14, 1974

SHOW RULES

- 1 — Competition is open to all begonia growers. Exhibitors are divided into four groups:
 - a) *Professional and/or Commercial Grower* — one who grows or sells plants as his principle source of income.
 - b) *Experienced Amateur Grower* — an amateur who has won over 35 blue ribbons or two Sweepstakes Trophies in specialized begonia shows.
 - c) *Amateur Grower* — one who does not grow or sell plants as his principle source of income.
 - d) *Novice Grower* — an amateur who has not won a ribbon at a specialized begonia show.

Only A.B.S. members are eligible to compete for Perpetual and A.B.S. Cultural Awards.

- 2 — *Professional and Commercial Growers* must enter Division R instead of Divisions A through I. They are eligible to enter Divisions J through O.
- 3 — *Experienced Amateur Growers* must enter Division Q instead of Divisions A through I. They are eligible to enter Divisions J through O.
- 4 — *Amateur Growers* may enter any Division except Divisions P, Q, and R.
- 5 — *Novice Growers* may enter Division P instead of Divisions A through I. They are eligible to enter Divisions J thru O.
- 6 — *All Begonia Growers* are eligible in Division S. Plants that are eligible for this division must have been in cultivation for at least 36 months. A plant is not eligible if it has been released either by sale or gifts.
- 7 — There will be no registrations fees required.
- 8 — All entries must be made Thursday, Sept. 12, 6 p.m. to 10 p.m. Late entries will be accepted Friday, Sept. 13, 8 a.m. to 9 a.m. Please notify *Entries Chairman* prior to the show, if you intend to enter on Friday. Entries will be accepted in the Executive Suite.
- 9 — All entries must be checked by the *Classifications Chairman* before entry is made. The *Classifications Chairman* will make all decisions according to the American Begonia Society's booklet, *A SUGGESTED GUIDE TO THE CLASSIFICATION OF BEGONIAS FOR SHOW PURPOSES*.
- 10 — Each entry will have an entry tag properly filled out assisted by the *Classifications Committee*. This tag will have the exhibitor's name, entry number, name of variety, the division and class. All husband and wife entries must be entered as one entry and not separately.
- 11 — An exhibitor may enter more than one plant in any class provided each plant is a different variety. However each entry may compete in only one class.
- 12 — All entries exhibited in competitive classes must have been grown by the exhibitor and have been in possession of the exhibitor for three months. Divisions K and M are excepted.
- 13 — All plants must be clearly labeled. Errors will not disqualify but the judges will recognize correctness in close competition. Synonymous names are acceptable.
- 14 — Diagrams must accompany all entries in Division K and M. These should show the placement and correct names of plants used.
- 15 — No artificial plant materials may be used.
- 16 — The Photography Division will be open to all. If you are unable to enter this division on Sept. 12th personally, you may mail your entries to the *Classifications Chairman*. Entries that are mailed must be received by Sept. 5th. Black

and white and color prints may be any size no larger than 8" x 10" and must be mounted with a cardboard mat. Prints and slides of leaves or portions of plants will be accepted.

- 17 — Containers and plants must be clean and neat. The *Show Chairman* has the right to exclude any diseased or infected plants.
- 18 — Plants may be entered in clay pots, plastic pots, moss lined wire containers, or redwood containers except where noted.
- 19 — All plants shall be placed by the *Placement Committee*. No one will be permitted in the show area during the placement of plants or judging except personnel authorized by the *Show Chairman*.
- 20 — The judges will use the American Begonia Society's booklet, *THE POINT SCORING SYSTEM FOR JUDGING BEGONIAS*.
- 21 — 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.
- 22 — The decisions of the judges are final.
- 23 — The Long Island Branch will safeguard the exhibits as much as possible but cannot assume the responsibility for injury or loss.
- 24 — Exhibits must be removed at the close of the show 4 p.m. on Saturday, September 14.

For any questions concerning entries or classifications, please write to the following:

<i>Show Chairman:</i>	Mrs. Wendy Stuart 3414 Brookside St., Little Neck, N.Y. 11363
<i>Show Secretary:</i>	Mrs. Richard Marfurt 434 McDermott Road, Rockville Center, N.Y. 11570
<i>Entries Chairman:</i>	Mrs. William Donnelly 661 N. Long Beach Road, Rockville Center, N.Y. 11570
<i>Classifications Chairman:</i>	Mrs. Edward Thompson 310-A Hill Street, Southampton, N.Y. 11968

Trophies and Awards

Each class will be judged for *First (Blue Ribbon)*, *Second (Red Ribbon)* and *Third (Yellow Ribbon)* on merit only. All *Blue Ribbon Winners* in a Division will be judged for the *Best of Division Trophies*.

An entry must receive 85 points to qualify for a *Division or Perpetual Trophy*. A *Perpetual Trophy* is never retired.

Sweepstakes Awards will be awarded to the grower with the most *Blue Ribbons* in all Divisions. There will be two *Sweepstakes Awards*. One will be the *A.B.S. Perpetual Award for Sweepstakes*.

A.B.S. Cultural Awards will be given to the winners of the *Best of Division Trophies* provided the plant received at least 90 points. Only the following Divisions will be eligible for the *A.B.S. Cultural Awards*: Cane-like, Shrub-like, Thick Stemmed, *Semperflorens* characteristics, Rhizomatous, *Rex Cultorum*, and Tuberous.

There will be two *Best of Show Trophies* awarded to the winner among the *Best of Division Trophies* in Divisions A through I, P and Q. One of these trophies will be the *A.B.S. Perpetual Award for Best In Show*.

There will be two *Best of Novice Trophies* awarded to the winner of the *Best of Division* for Division P. One of these trophies will be the *A.B.S. Perpetual Award for Best of Novice*.

The *Best of Artistic Divisions Trophy* will be awarded to the winner among the *Best of Division Awards* in Divisions K through O.

The *Best Commercial Trophy* will be awarded to the best commercial competitive entry in Division S.

UNOFFICIAL SUMMARY OF THE MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE AMERICAN BEGONIA SOCIETY

March 25, 1974
South Gate Auditorium

The regular meeting of the National Board of ABS was called to order at 7:50 p.m. by the president-elect, Margaret Ziesenhenné, in the absence of the president, Wally Wagner. Peggy McGrath was appointed secretary pro-tem in the absence of the secretary, Margaret Ireton.

Minutes of the February 24 meeting were read and approved with the following corrections: Committee to consider proposed standing rules for the 1974 show should have included the names of Ruth Pease and Jerry Rike. A clarification was made that \$300 was sent to each of the branches for the show and convention, the Theodosia Burr Shepherd and the Santa Barbara branches. In naming the past presidents present, Mr. Wright's first name was corrected to read "Everett" Wright.

The treasurer, Walter Barnett, reported a balance on hand 3-18-74 of \$3,193.21. An advance purchase for paper to print **The Begonian** was made just prior to a price increase. Payment of \$1,800 was approved for this purchase, which will save the Society much money in the next few months.

The Public Relations Director, Peg McGrath, asked permission to have more copies of the information guide printed which gives information and suggestions for organizing new branches, with sample constitution and bylaws for use in organizational meetings. It will be updated before printing.

Branches have been lax, it was reported, in sending yearly reports to the Treasurer. This will become an absolute "must" if the amendment to Articles of Incorporation, paragraph 7, is passed. A check for \$10.00 was sent to the Heart Fund in memory of Trumond Peterson former editor of **The Begonian**.

Gene Daniels reported on Show Committee activities and progress. His committee is working on the transportation problem and anyone needing help in this area is asked to let Gene know promptly so appropriate action can be taken. The show committee is staffed and functioning in all departments, according to Gene. A shortage of space will curtail sales tables, other than the ABS plant table. Three new exhibits will be arranged, one with begonia seeds, another of Round Robins, and the third to be announced.

Copies of the Parliamentarian's report of proposed constitutional amendments to Sec. 3 & 4 of Articles IV of the Constitution which pertains to Convention and Show were distributed, read and discussed item by item and changes were made in language as needed by agreement of Board members present. This report will be printed in **The Begonian**. Ruth Pease then moved adoption of the following resolution: **RESOLVED**, that the standing rules for Convention and Annual Show of ABS be amended to include the following which supersedes standing rules for National Conventions as printed in the December, 1973, issue of **The Begonian**. This was seconded and carried. Section 3, Article IV, revised for clarification will be voted on at the Annual Meeting.

A nominating committee was appointed by Margaret Ziesenhenné to include Walter Pease, chairman, Margaret Lee and Charles Richardson.

NEW BUSINESS:

Walter Barnett reported that the Life Membership certificate of deposit will mature in March, 1974. There is \$3,814.71 in this fund. He requested authority to place this fund into a certificate of deposit at American Savings for the Life Membership Fund; seconded and carried. The treasurer is authorized to open an auxiliary account for new additions to the Life Membership Fund.

Walter Barnett asked for authority to have overprints made of **The Begonian** for May, June and four subsequent months to provide magazines for sale at the Eastern and Western conventions; seconded and carried. Walter Barnett also moved that ABS send a \$50 check to the Eastern Convention for a trophy or trophies; seconded and carried.

Chuck Richardson took the chair while the Ziesenhennés were sent out of the room. Walter Barnett discussed the possibility of Rudy and Margaret Ziesenhenné attending the Eastern Convention as representatives of the National Society. Margaret Ziesenhenné will be president of the National Society at that time. After discussion, Walter Barnett moved that he ABS purchase two round trip tourist class plane tickets for the Ziesenhennés if they so desire; seconded and carried. Branches may make donations to this cause if they wish, but will not be solicited.

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Gene Daniels suggested a change in board meeting place to a restaurant where a meal can be served in conjunction with the monthly Board meetings, in a central location, dinner to be served at 6:30 p.m. He will try to find a suitable place and report.

Ed Bates requested permission to print the convention schedule of the Eastern convention in the *BEGONIAN*. It was granted by Board action.

Walter Barnett moved that Margaret Ziesenhenné's name be added to the bank signature cards; seconded and carried.

CALENDAR

Foothill Branch Meeting, June 20th — 8 P.M. — 3205 S. D St., LaVerne, Ca. United Methodist Church, Marshall Hall. Program: John Ekstrand — "Ferns as Compatible Plants with Begonias." Expert on ferns and fern sporing.

The Summer schedule of the Long Island Branch consists only of informal meetings.

June 15, 1974: L.I. Branch Picnic and Garden Tour at Jim Wyrzten's, Floral Park, New York. Covered Dish.

July 13, 1974: L.I. Branch Garden and greenhouse tours of Lois Schneyer's, Malverne, New York; Zelda Isaacs, Long Beach, New York; and Don and Marion Fazio's, Valley Stream, New York, where a picnic (eat anything but the Begonias) will follow; covered dish.

August 3, 1974: Picnic and Garden tour of Mrs. Laughlin's estate, Southampton, New York. Branch plant sales will be held.

September: There will be no regular meeting of the Long Island Branch this month.

September 12, 13, 14: 9th Eastern Begonia Convention, Holiday Inn, Hempstead, New York.

UNOFFICIAL SUMMARY OF THE MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE AMERICAN BEGONIA SOCIETY April 22, 1974

Wally Wagner's resignation as President was accepted with regret and a vote of confidence was given the new president at the April 22 meeting of the National Board in Southgate, according to reports from Chuck Richardson, vice president who presided, and Margaret Ireton, secretary. The president elect was prevented from attending the meeting because of car trouble.

About 20 attended the meeting, a proper quorum. The circulation and membership chairmen recommended the engaging of professional help in the mailing of *The Begonian*. It was decided that a mailing and printing service be tried for a period of four months. The two chairmen are giving up their monthly expense allowance during the trial period. ABS's equipment is very antiquated and it is hoped that the professional mailing will facilitate delivery to members and expedite changes of address and stops and starts of subscriptions.

The seed fund chairman reported the seed supply is low. If you know of any sources of reliable seed, contact her. Reports indicate a healthy and prosperous condition in the fund.

There was no report of the nominating committee because of the chairman's illness. There will be a report at next meeting. May I refer members to ABS By Laws, Article VII, Elections, Sec. 2, regarding nominations by petition. (*The Begonian* 12/73)

The special committee on relocating the ABS Board meeting place reported several possibilities in the North Hollywood and Glendale area. We will meet once again in Southgate on May 27.

Encourage your branch members to attend the Special Membership Meeting at Westchester Womens Club on June 6 regarding amending the Articles of Incorporation.

PUBLICATION NOTICE

All material for publication — articles, notices, photographs — should be sent to the Editor, preferably five weeks before date of publication. Deadline is the first of the month preceding month of publication.

Advertising copy and inquiries should be sent to the Advertising Manager.

BRANCH DIRECTORY

VISITORS ARE ALWAYS WELCOME AT THESE MEETINGS

BUXTON BRANCH

3rd Saturday, Homes of Members
Mrs. Raymond C. Cronin, Secy
88 Ledgeways, Wellesley, Mass. 02181

CONNECTICUT BRANCH

4th Sunday of each month
Mrs. Priscella Beck, Secy.
R D No. 1, Box 121,
Mystic, Conn. 06355

EAST BAY BRANCH

2nd Thursday, 7:45 p.m., Willard School
Telegraph at Stuart, Berkeley, Calif.
Miss Carol E. Orpin, Secy.
428 Norvell Street
El Cerrito, Calif. 94530

EASTSIDE BRANCH

4th Wednesday, 7:30 p.m.
590 116th Avenue N.E., Bellevue, Washington
Diane McElroy
9010 209th Ave., N.E., Redmond, Wash. 98052

EL MONTE COMMUNITY BRANCH

3rd Friday, Members' Homes
Mrs. Gladys Máttuket, Secy.
1801 Azalea Drive, Alhambra, Calif. 91801

FOOTHILL BRANCH

3rd Thursday, 8:00 p.m.
First Methodist Church, Marshall Hall
3205 D Street, La Verne, Calif.
Mrs. Marie Schmidt, Secy.
1296 Prospect
Pomona, Calif. 91766

FORT, ELSA BRANCH

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

GARDEN GROVE BRANCH

3rd Thursday, 7:30 p.m.
Sunnyside School
9972 Russell Ave. at Brookhurst, Garden Grove, Ca.
Mrs. Millie Hinds, Sec'y.
8752 Dewey Dr., Garden Grove, Ca. 92641

GLENDALE BRANCH

2nd Tuesday, 8:00 p.m.
Glendale Federal Savings, 401 N. Brand
Mrs. Katharine Alberti, Secy.
3322 Troy Drive, Hollywood, Calif. 90068

GREATER BATON ROUGE BRANCH

Mrs. John H. McKay, Secy.
5116 Baton Rouge Ave., Baton Rouge, La. 70805

HOUSTON TEXAS BRANCH

2nd Friday, 10:00 a.m.
Garden Center, 1500 Herman Drive
Mrs. B. A. Russell, Secy.
5926 Jackwood, Houston, Texas 77036

KNICKERBOCKER BRANCH

2nd Tuesday, 7:30 p.m.
Horticultural Society of N.Y.
128 West 58th St., New York
Miss Margaret Huger, Secy.
505 East 82nd St.
New York, N.Y. 10028

LONG BEACH PARENT CHAPTER

2nd Sunday, 1:30 p.m.
Glendale Savings & Loan Bldg.
5535 E. Stearnes Street
Los Altos Shopping Center, Long Beach, Calif.
Miss P. E. Powell, Secy.
3031 Shakespeare Dr., Los Alamitos, Ca. 90720

LONG ISLAND BRANCH

2nd Wednesday, 8:00 p.m.
Planting Fields Arboretum
Oyster Bay, Long Island, N.Y.
Annette W. Boree, Sec'y
8 Brown Road, Great Neck, N.Y. 11024

MESQUITE BRANCH

1st Tuesday, 10:30 a.m., Members homes
Mrs. Mae Blanton, Secy.
118 Wildoak Drive, Lake Dallas, Texas 75065

MIAMI BRANCH

4th Tuesday, 8:00 p.m.
Simpson Memorial Garden Center
55 South West 17th Road, Miami, Florida
Rosamond Meriwether, Secretary
1552 Plasencia Ave., Coral Gables, Florida 33134

MISSOURI BRANCH

3rd Friday, 11 a.m., Member's Homes
Kansas City, Mo.
Mrs. Glenn Lucas, Secy.
Kansas City, Mo. 64109

MONTEREY BAY AREA BRANCH

4th Wednesday, 8:00 p.m.
Lighthouse and Dickman Sts., New Monterey, Calif.
Virginia Carey, Secy.
P. O. Box 3264, Carmel, Ca. 93921

NORTH LONG BEACH BRANCH

2nd Friday, 7:30 P.M., 5535 Stearns, Long Beach,
Glendale Federal Savings and Loan Bldg.
Miss Carol Ruane, Secy.
2133 Pacific Ave.
Long Beach, Calif. 90806

ORANGE COUNTY BRANCH

2nd Thursday, 7:30 p.m.
First Christian Church,
1130 E. Walnut Street, Orange, California
Mrs. Norma Taylor, Secy.
2414 N. Bristol, Santa Ana, Ca. 92667

PORTLAND BRANCH

Mrs. R. D. Morrison, President
5305 S.W. Hamilton St., Portland, Oregon 97221

REDONDO AREA BRANCH

4th Friday, 7:30 p.m.
R. H. Dana School Cafeteria
135th St. and Aviation Blvd., Hawthorne, Calif.
Mrs. Susian Shaner, Secy.
5026 W. 122nd Street, Hawthorne, Calif. 90250

RHODE ISLAND BRANCH

1st Saturday, Homes of Members
Mrs. Arline G. Peck, Secy.
Eagle Peak Road, Pascoag, RI 02859

ROBINSON, ALFRED D. BRANCH

2nd Tuesday, 10:30 A.M. Homes of Members
Mrs. Harold Ingersoll, Secy.
6665 Via Estrada, La Jolla, Ca. 92037

RUBIDOUX BRANCH

4th Thursday, 7:30 p.m., West Riverside Memorial Hall
4393 Riverview Drive Rubidoux, Ca.
Dorothy Ansevics, Sec./Treas.
4063 Opal St. Riverside, Ca. 92509

SACRAMENTO BRANCH

3rd Tuesday, 8:00 p.m., Garden Center
3300 McKinley Blvd., Sacramento, Calif.
Mrs. Beverly Bartlett, Secy.
725 - 36th Street
Sacramento, Ca. 95816

SALINE COUNTY BRANCH OF KANSAS

4th Monday, 1:30 p.m., Homes of Members
Mrs. Jesse B. Harper, Secy.
Route 3, Salina, Kansas 67401

SAN FRANCISCO BRANCH

1st Wednesday, 8:00 p.m., Garden Center
Golden Gate Park, 9th Avenue and Lincoln Way
Mrs. H. C. Banks, Secy.
1279 35th Ave., San Francisco, Ca. 94122

SAN GABRIEL VALLEY BRANCH

2nd Friday, 8:00 p.m.
Los Angeles State and County Arboretum
501 N. Baldwin Ave., Arcadia, Calif.
Mrs. Elizabeth Stuart, Secy.
169 Mauna Loa Dr., Monrovia, Ca. 91016

SAN MIGUEL BRANCH

1st Wednesday, 7:30 P.M.
Casa del Prado (Rm. 104)
Balboa Park, San Diego
Mrs. Nova Gillis, Secy.
11885 Walnut Rd., Lakeside, Ca. 92040

SANTA BARBARA BRANCH

2nd Thursday, 7:30 p.m.
Santa Barbara Museum of Natural History
2559 Puesta Del Sol
Miss Gladys M. Grant, Secy.
460 Mountain Dr., Santa Barbara, Calif. 93103

SANTA CLARA VALLEY BRANCH

4th Thursday, 8:00 p.m.
Northern Calif. S & L Assn.
10250 South Sunnyvale-Saratoga Rd.
Cupertino, Ca.
Mrs. Elizabeth K. Sayers, Secy.
369 Ridge Vista Ave., San Jose, Ca. 95127

SEATTLE BRANCH

3rd Tuesday, 7:00 P.M.
Bethany Lutheran Church, 7400 Woodlawn Ave. N.E.
Mary Dunnell, Secy.
2208 N.E. 177th St., Seattle, Wa. 98155

SHEPHERD, THEODOSIA BURR BRANCH

1st Tuesday, 7:30 p.m.
Senior Citizens Bldg., 420 Santa Clara St.,
Ventura, Ca.
Mrs. Evelyn Stewart, Secy.
880 Summit Dr., Apt. 301C, Ventura, Ca. 93001

SOUTH SEATTLE BRANCH

4th Tuesday, 7:30 p.m., Wm. Moshier Field House
430 South 156th Burien
Mrs. Viva Musgrave, Secy.
11447 12th Ave., Seattle, Wash. 98146

TAMPA BAY AREA BRANCH

Mrs. Grace McDougall, Secy.
Plum St., Inverness Highlands

TARRANT COUNTY BRANCH

2nd Monday, 10:00 a.m., Members' Homes
Mrs. R. M. Bennisson, Secy.
Rt. 2, Box 155 Dickinson, Texas 77539

TEXASTAR BRANCH

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

WESTCHESTER BRANCH

1st Thursday, 7:30 p.m., Westchester Women's Club
8020 Alverstone Ave., Los Angeles, Calif.
Ramona Greb, Secy.
441 Hillside Lane, Santa Monica, Ca. 90402

WESTERN PENNSYLVANIA BRANCH

2nd Wednesday 11:00 a.m. every month
Pittsburgh Garden Center, 1059 Shady Ave.,
Pittsburgh, Pa.
Mrs. Alfred Slee, Secy.
211 Arlington Ave., Butler, Pa. 16001

WHITTIER BRANCH

1st Thursday, 7:30 p.m.
Palm Park Community Center
5703 South Palm Avenue, Whittier
Miss Anne Rose, Secy.
14036 Ramona Drive, Whittier, Calif. 90605

WILLIAM PENN BRANCH

4th Tuesday, Noon Homes of Members
Mrs. John W. Watson, Secy.
209 Pembroke Ave.
Wayne, Pa. 19087

BEGONIA PERSONALITY

(Continued from Page 146)

To maintain and enlarge his collection, Dr. Barkley plants the microscopic seeds obtained from far and near, and grows them for two to three months in his office "greenhouse." When they are large enough he takes them to the main collection and after two months transplants them to larger pots.

Yes, he does talk to his plants, but he confesses that he isn't sure which they like better, the sound of his voice or the extra carbon dioxide they get when he exhales close to them.

Dr. Barkley has published 150 articles on begonias and botany in general, and in 1973 received the Eva Kenworthy Gray Award from the American Begonia Society in recognition of his original material which aided members in the study and enjoyment of begonias.

When he leaves for Khartoum in June he will leave his collection in the hands of his students, but the legacy of the "Begonia Man" will hardly be over. He will take cuttings from his collection with him, and someday Khartoum may be known as the begonia capital of the world.

MESSAGE FROM NEW PRESIDENT

(Continued from Page 140)

the valuable experience of over thirty years in a professional capacity with the federal government. I hope you will all support me in this huge task and I would love to hear from each of you about the ABS and its future.

Margaret B. Ziesenhenné,
President

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