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—1950 A.B.S. Show



Photo by  
Ken Garrison Clarke



OCTOBER  
1950

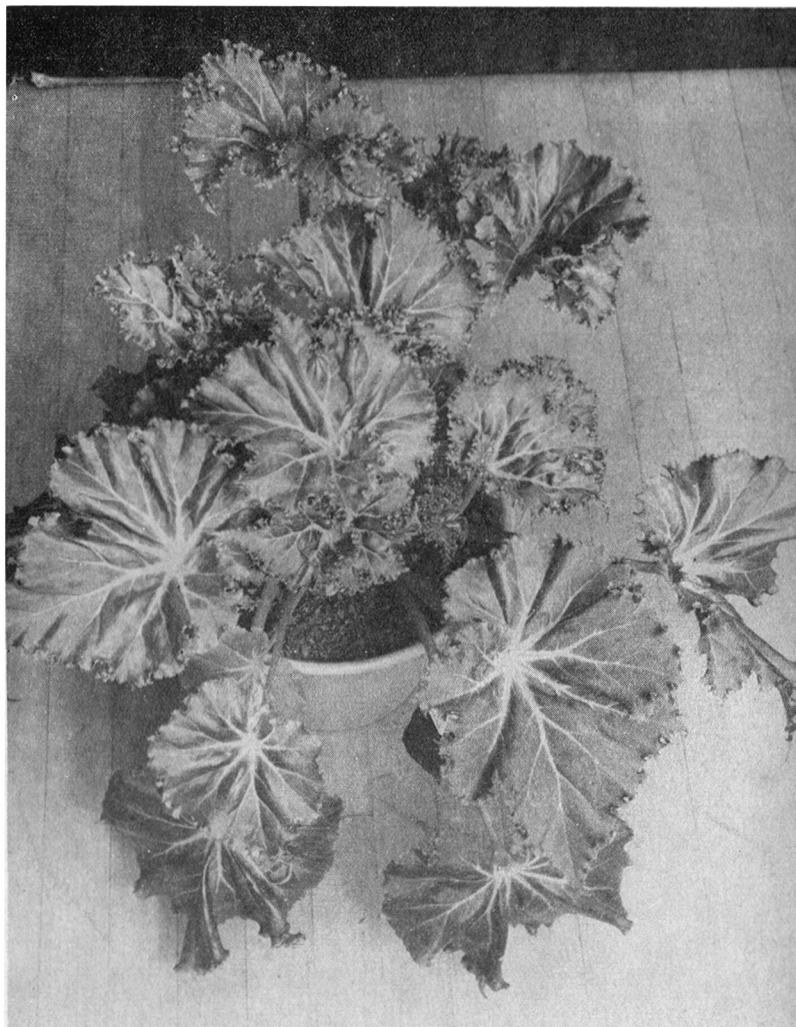


FIFTEEN  
CENTS



VOL. XVII  
No. 10

## *Begonia Ricky Minter*



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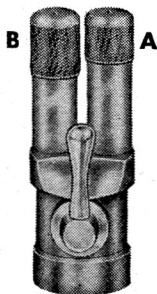
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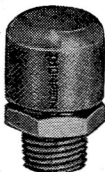
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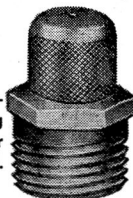


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### INDEX

ARMCHAIR EXPLORERS .....	223	HOW TO BUILD A COMPOST PILE .....	220
AUTOMATIC WATERING .....	213	LIBRARY NOTES .....	220
AWARDS AT THE 1950 ABS SHOW .....	216	PRESIDENT'S MESSAGE .....	221
BEGONIA FRANCISII ZIES. ....	218, 219	PROPOSED CONSTITUTIONAL AMEND. ..	217
BEGONIA RICKY MINTER .....	215	QUESTION-ANSWER COLUMN .....	215
BRANCH MEETING DATES & PLACES ....	226	ROUND ROBIN NOTES .....	221
BRANCH NEWS .....	221, 224	SEED FUND COLLECTIONS .....	222
CONDENSED MINUTES .....	227	STATEMENT OF OWNERSHIP .....	212, 227



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Turn to page 227

# AUTOMATIC WATERING WITH PLANT GLASWICKS

By John P. Toberman, Hot Springs, Arkansas

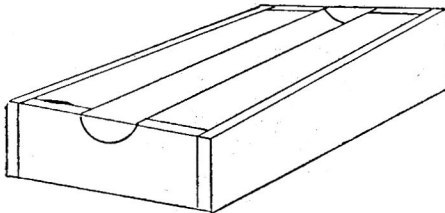
*Mr. Toberman, formerly of Norman, Oklahoma, has been a florist and grower in the Southwest for forty years and has done much experimenting on spun glass wicks and automatic plant watering.*

The AUTOMATIC watering of plants is fast becoming widely used by the commercial growers and is the ideal method for the home gardener whether in the window garden, home greenhouse, shade gardens, porch and window boxes, or hot beds and cold frames.

This method takes most of the worry and disappointment out of the production of plants for it eliminates over- and under-watering, the washing of the soil from the pots when watering with a hose, the spreading of disease by splashing water, and it gives the grower complete control of feeding by the use of liquid nutrients.

Propagation, either by seeds or cuttings, is greatly accelerated by the use of standard greenhouse flats equipped with plant glaswicks made of spun glass fiber which DOES NOT decay or corrode and is chemically neutral, thus eliminating any detrimental reactions. This system was first evolved by Dr. Kenneth Post of Cornell University and is endorsed by the Geo. Ball Co. and other large commercial growers.

In a 14 by 20 inch flat you drill two one-half inch holes five inches from each end of the flat. Make two frames 15 x 21 inches of 2 x 6's, mount a length of eaves-trough down the center of each frame as shown in sketch No. 1. Have your tinsmith solder ends in each end of all troughs. The ends of the frames should be mortised to receive the eaves-trough.

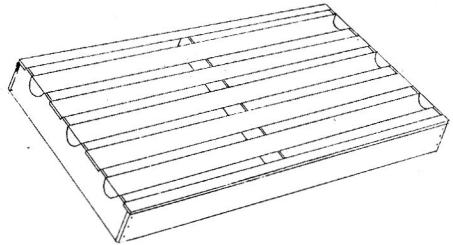


No. 1

Next set one of the frames on your potting bench and place a flat on it and fray about one-half inch of one end of two four-inch glaswicks and insert one in each hole in the flat and FIRM DOWN the frayed-out end of the wick on the bottom of the flat and fill

to within one-half inch of the top with your rooting medium or seeding mixture and set your cuttings or sow your seeds. The rooting medium or soil will require an initial heavy watering to establish capillary action with the wicks, being VERY careful not to wash the soil or medium.

If you have one or two flats you can fill two one-gallon cans with water and set your flat on them so that the wicks will hang down in the water. If you have several flats and want to have something more stable, make a frame 4 feet by 5 feet, as in sketch No. 2.



No. 2

The troughs and runners should all be mortised into the center and two end pieces. The two outside runners are 1 x 2's and the two inside runners are 1 x 4's. The eaves-troughs should be 3 inches deep and 4 inches wide and have flat flanges for nailing.

Guide-strips 1 x 1 inch should be nailed down the middle of the two center runners, which will keep the flats in position and the wicks in the water troughs. The frame (sketch No. 2) being 4 feet wide, it will be 8 inches from the center of each trough to the center of each runner. I have found that this method keeps the moisture content constant in the rooting medium or soil at all times, that damping-off is almost completely eliminated and that labor is greatly reduced. All that the propagator has to do is see that sufficient water is kept in the troughs.

When your cuttings and seedlings are ready to be potted off, place one of your No. 1 frames on your potting bench and fill the trough with water and set a flat of young plants on the frame with the wicks in the water. Place your other No. 1 frame on the potting bench and fill its trough with water, place an empty flat equipped with wicks on this frame, place one-quarter inch of soil in this flat and tamp it lightly with a board, next fill the flat with 2 x 2 plant bands, fill the bands and any space between the bands and the flat with

*Turn to next page*

potting soil and pot your young plants in the usual way. When the flat is full, give it a good watering to establish capillary action. Place the flat on one of your No. 2 frames, where you can grow the plants on until you set them out in the flower beds or garden or (for pot plants) till you make the final shift to the finishing pots.

One big advantage of this system is that, if you are called away from your potting, the young plants will not be injured by the roots drying out, even if you do not get back until the next day. Those who buy milk can save the expense of buying plant bands by getting milk in the new type square paper cartons. Rinse out the empty carton, cut off the top and bottom with a pair of shears, fold it flat and store away. When ready to do any potting, you can cut three bands from each flattened container. By spring you will have all the bands you need.

By the use of concentrated, 100% organic fertilizer emulsion you can feed your plants automatically once a month, or oftener if it is necessary, by letting the troughs go dry and filling them with the properly diluted liquid nutrient. When this is used up, proceed as usual with plain water.

Be sure you have the proper potting soil mixture for the type of plant being potted. The use of properly prepared compost and organic supplements are very important in adjusting the fertility and pH in potting soils so you will produce A-1 plants.

For potted plants use a frame the same size as No. 2, but with eight troughs instead of three, placed flange to flange. You do not have to mortise in for the runners; the two outside runners will be 1 x 2's and the seven inside runners will be 1 x 4's, which will leave you a two-inch slot over the center of the troughs for the pot wicks. Otherwise the potted plants are handled the same as the flats. Remember to turn your pots and flats at regular intervals to keep your plants from becoming one-sided.

Propagating flats and flats with plant bands can be carried in hot beds and cold frames very easily by placing the No. 2 frames in the cold frames or hot beds. All of the woodwork in flats, frames, and porch and window boxes should be thoroughly coated with cuprinol or other wood preservative to protect them from rotting.

Here are some tips for those who have sheltered or shade gardens: All of your shelves for plants in pots and containers should be equipped with watering troughs properly spaced and your pots and containers with plant wicks. I have a "check plant" philodendron in my shade garden that has grown 31½ inches in three weeks without any special fer-

tilizing, whereas check plants without automatic watering have made only nominal growth averaging 6 inches. Your hanging baskets should also be equipped with plant wicks and for irrigators take a one pound coffee can, paint it inside and out with two coats of good aluminum paint, remove the inside band for the lid and punch three equi-distant holes in the rim in which to put wires or small brass chains with which to suspend the can from the bottom of the basket, leaving just enough space between the can and basket so you can insert the long spout of a small watering can. Be sure to have these wicks long enough to reach the bottom of the irrigators.

For those who do not have specially prepared automatic watering saucers, all you have to do is to get tin cans that will receive about 1½ or 2 inches of the bottom of the pot, give them two coats, inside and out, of good aluminum paint, and you are all set for your home or flower show. If you want a nice saucer, to match, in which to set these cans, just take the lids of one pound coffee cans and give them two coats, inside and out, of aluminum paint. Be sure to set the TOP of the lid DOWN and the furniture will not be scratched if you get a smooth paint job.

If you receive potted plants from the florist that are not equipped with plant glaswicks, all you have to do is slip the pot out of the pot wrap, turn the pot upside-down and tap the rim on some solid object so the plant and soil-ball will slide gently out of the pot. Remove the drainage of broken bits of pottery from the ball of soil; now equip the pot with a wick on top of which you place about ¼ inch of potting soil; replace the plant and soil ball and tap the bottom of the pot firmly on the solid object to complete capillary contact. Remove the usual pad of paper from the bottom of the pot wrapping and punch a hole in the center of the wrapping on the bottom for the wick. Now set your plant, in its pretty wrapping, on one of your tin-can irrigators.

For your indoor and window gardens you can make very pretty trough racks equipped with legs and casters so they can be moved anywhere you wish. They can be finished to match your inside trim. For your window seats just leave the legs off. Your plants will not suffer so badly from the usual hot dry air encountered in most homes.

Your porch and window boxes can easily be equipped with automatic watering. Drill ½-inch holes 12 inches apart in the bottom of the boxes for ⅜-inch wicks. Turn the boxes bottom up and screw the troughs on with brass screws, leaving about 4 inches of the trough protruding past the end of the box for filling. For porch boxes you make a base

*Turn to page 227*



## Q + A = Success

by Research Dept.

**Question:** In growing tuberous begonias, why does one book recommend 14" pots while amateur growers seem to have good success with five or six inch pots.

**Answer:** It could be the difference in the size of the tuber for one thing. Here on this coast we often have tubers measuring from two and a half inches up, while people situated in the Eastern section may be using a smaller sized tuber. I think, however, that the basic reason for the large size pots is to allow the roots of the tubers to extend horizontally instead of forcing them to grow vertically. Most large growers of the tuberous seem to feel they have better success with their tuberous begonias either growing them in the ground or using large enough pots to allow for root spread. However, and this is important, I think you will find in most of the articles these same growers recommend at least three or four inches of drainage material in the bottom of the large pots. Consequently, the remaining space taken up with the proper soil would equal that of the six inch pot without the drainage material.

A large size pot also allows for a better circulation of air around each individual plant. In sections of the country where humidity is a problem this would tend to cut down on the incidence of stem rot. In my own location, however, humidity is one of the more minor problems, consequently I can raise the average sized tuber in a six inch pot without difficulty. And with fast draining soil, I do not need the extra drainage material in the bottom of the pot that would be necessary were I using heavier soil or material which would retain too much moisture for the good of the plant.

**Question:** I am confused about the Begonia sold as *Mexico No. 2* and the *B. Page 13*. While they look somewhat alike, there are differences in the manner of growth. Are they two different begonias?

**Answer:** The tag of *Mexico No. 2* seems to be quite a popular designation for a good many of the unknown plants coming from that country. We have been raising seedlings under that designation since the Seed Fund was first started.

*B. Page 13* was listed as an unidentified begonia. At the time this label was put on it, there had been no evidence uncovered as to whether it was a true species or a chance hybrid. When it was released to the public, it was sold under the name of *B. Mexico No. 2*

and can still be bought under that label. However, I think the variations in manner of growth can most likely be attributed to the fact that someone has been able successfully to flower this particular begonia and the resulting seedlings have shown some differences, not only in the manner of growth, but size of leaves, etc. But comparison between the different plants I have had sent in here to try to solve this problem has uncovered no evidence that they are different plants. Taking each identifying mark on either of the begonias, one finds the same thing in the other plant. Variations in manner of growth occur in many other plants under study today, as do variations in size of leaves. Further study will in time probably uncover the true name of this plant if it is a species but for the present we will have to grow it under the name of *B. Page 13*.

I most heartily recommend that the designation of *Mexico No. 2* be removed from the many begonias being grown under that particular title and such begonias being called *Mexican species. Mexico No. 2* is a misleading tag, considering that each year that seed has been imported from Mexico, we have had at least two different varieties and often from more than one dealer. Multiply this by the number of years the Arm Chair Explorers has been in existence and one comes up with an amazing total of begonias being grown either as *Mexico No. 2* or *Mexican hydrocotylifolia No. 2*.

### BEGONIA RICKY MINTER

—Our Cover Picture

New and worthy of honor! Mrs. Marie Turner's cross of *Begonia cristata* x *Begonia Mazae* (the former the seed parent) netted about twenty-five plants from about a dozen seed pods. From these she selected this distinctive plant and named it for her dear friend's little boy who didn't get a chance to grow up.

A beautiful, crisp, and lusty grower, its rich leaves are a clean green with pale green central veining and are reddish beneath. Winter blooming freely with rosy pink flowers on tall stems, it makes a wonderfully ornamental house plant so appropriate in these days of tropical foliage. Furthermore it is on the rugged side, preferring a drier soil than usual and tolerating rations of half a glass of water in a week and a half in a recent test.

Mrs. Turner has been using the leaf-stem propagation method with best success—putting the leaf-stem in the rooting medium up to the leaf and finding a crop of new, husky plantlets in due time.

This plant won over a magnificent collec-

Turn to page 221

# Awards at the 1950 A.B.S. Show

Photography by Ken Garrison Clarke, Inglewood



All visitors conceded that from every angle it was a very beautiful show—in design, in detail, begonias collectively, begonias individually—very, very beautiful. Our photographers were busy indeed. On these pages you will see a general view of the design of the show and a view of each of the prize winning branch exhibits.

Space and budget did not allow for the reproduction of all the branch exhibits, yet each had features we are sorry you could not see—from the nasty-looking Gila Monster at the End of the Santa Fe Trail, as conceived by the El Monte Branch, to the fine display of the A. D. Robinson Branch of Mrs. Alice Clark's paintings, beneath each of which were living plant models and botanical data, or the giant tree trunk buried in fallen leaves and jungle growths by the Tarzans of the Pasadena Branch.

Mention must be made of the Research Department's display which nestled in the moss beneath the central crown of columns—featuring new seedling crosses with possibilities and a portion of Mr. W. G. Brooks' collection of unidentified begonias brought by him from Mexico. It gave the feeling of a vis-

it to the birthplace of new things.

Wilson's Wilgro, Bauman's Palos Verdes Begonia Farm, and Leathermans' Gardens each had a lovely island at the rear.

Then there were the countless individual entries and The Begonian Staff made as many pictures as possible of plants that have not shown their faces on these pages as yet, for future use.

At the great evening banquet with something like 350 people seated before tables garlanded with giant tuberous begonias from Antonelli Bros. and Vetterle and Reinelt, Master of Ceremonies Bert Slatter turned the meeting over to our new President-elect, Calvin Trowbridge, who presented the awards. Following is a list of the winners:

## Certificate of Award Winners

### *Fibrous Rooted Section*

1st Mrs. Chet Van Duesen—San Diego—  
Emma Palmer

2nd Fred Schultz—Inglewood—Pink Rubra

3rd Mary Choate—Inglewood—Paul Bruant

### *Rhizomatous Section*

1st Marie Turner—San Gabriel—Ricky Minter

2nd Theresa Olmstead—Inglewood—Bunchi

3rd Fred Schultz—Inglewood—Joe Hayden



### *Rex Cultorum*

1st Mrs. Lewis Reese—Bellflower—Ville de Paris

2nd Mrs. Mary Choate—Inglewood—min. Woodriff seedling spiral

### *Tuberous Rooted*

1st Fred Schultz—Inglewood—Richard Robinson

2nd M. F. Harpester—Morro Bay—Collection of 6

3rd Mr. Erickson—Inglewood—Camellia form

### **Trophy Winners**

Inglewood Sweepstakes Chalice for the person winning the most points—Fred Schultz—Inglewood.

Effie Chapman Cup for the best fibrous—Mrs. Chet Van Duesen—San Diego.

Gordon Baker Lloyd Cup for the best rhizomatous—Mrs. Marie Turner—San Gabriel Valley.

Gonda Hartwell Challenge Cup for the best rex—Mrs. Lewis Reese—Bellflower.

Mary Hazel Drummond Cup for the best tuberous—Mrs. M. F. Harpester—Morro Bay (for the second time).



**San Gabriel's Walk to the Wishing Well and the Trophy—A Wish Come True**

Inglewood Challenge Cup for the best 8 x 18 island—San Gabriel Valley Branch.



**Redondo's Winning Rock Garden**

Bill Walton Cup for the best 8 x 10 island—Redondo Bay Area Branch.

## **PROPOSED CONSTITUTIONAL AMENDMENT**

During the Business Meeting of the National Convention, the most important new business brought up was a discussion of our financial condition.

Although our dues remain at the pre-war level, our printing and engraving costs for publishing the magazine have been increased in line with all other rising costs. An effort was made to meet part of this jump by a corresponding advance in advertising rates as much as the traffic would bear—but we are now charging as much as the size of our circulation warrants and are faced with the reduction of the magazine's size, despite that.

After considering the problem, the committee in charge informed the membership they believe the majority favor, not a smaller, but a more educational, better illustrated magazine and submitted:

**PROPOSED AMENDMENT TO ARTICLE VIII of the Constitution of the American Begonia Society:**

Substitute words "Two Dollars and Fifty Cents (\$2.50) on and after January 1, 1951" for the words "One Dollar and Fifty Cents (\$1.50)."

Article VIII now reads:

"Dues for Life Membership shall be Fifty Dollars (\$50.00).

"The annual dues of this Society shall be *One Dollar and Fifty Cents (\$1.50)*, payable in advance. Members in arrears thirty days may be dropped from the membership and their copy of the official publication discontinued. Membership covers the immediate family, except that only one member may receive the official publication and exercise the right to vote unless additional dues are paid. Annual memberships shall run one year from the date paid."

If amended, Article VIII will read:

"Dues for Life Membership shall be Fifty Dollars (\$50.00).

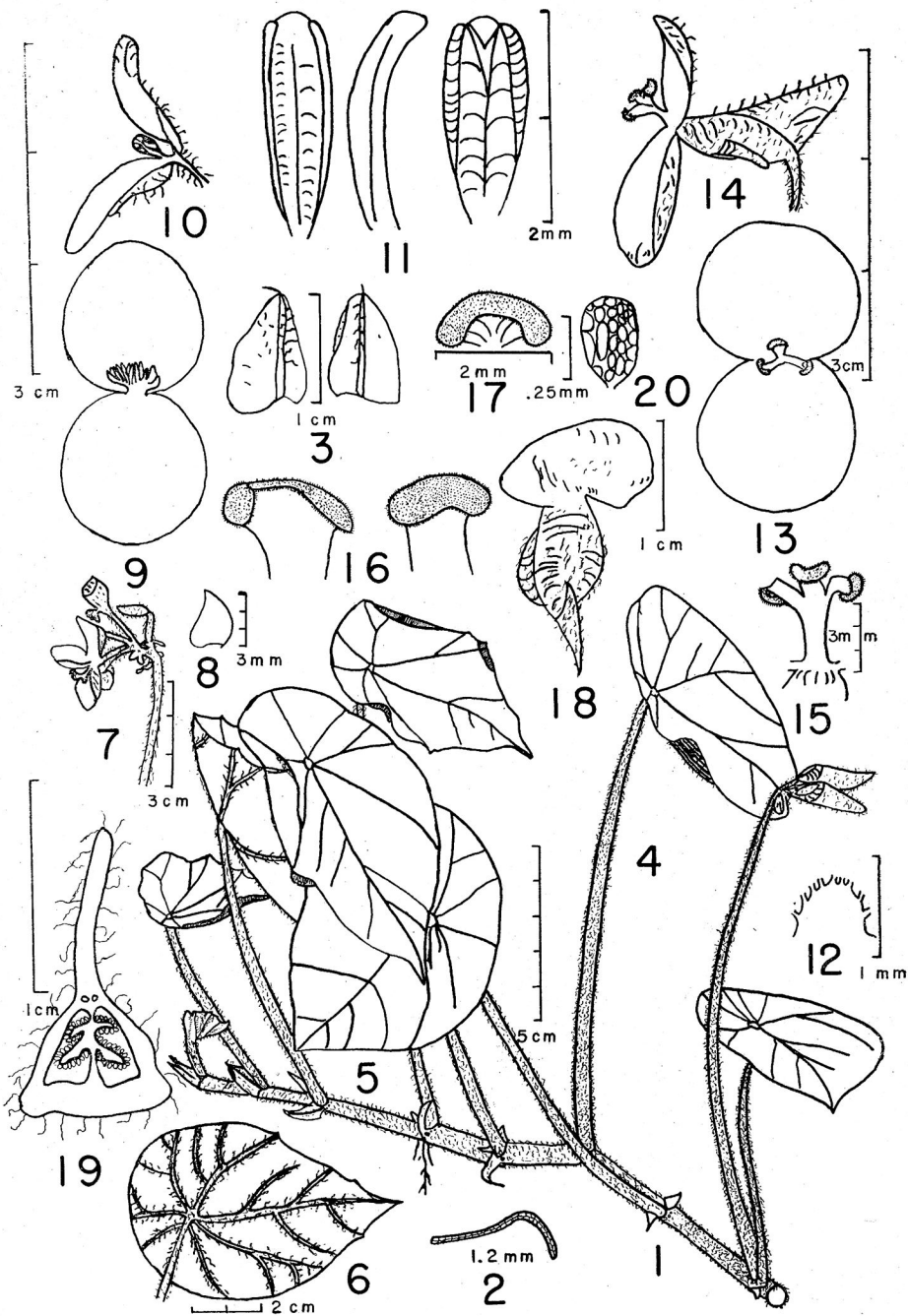
"The annual dues of this Society shall be *Two Dollars and Fifty Cents (\$2.50) on and after Jan 1, 1951*, payable in advance. Members in arrears thirty days may be dropped from the membership and their copy of the official publication discontinued. Membership covers the immediate family, except that only one member may receive the official publication and exercise the right to vote unless additional dues are paid. Annual memberships shall run one year from the date paid."

The proposed amendment shall be printed in the October, 1950, Begonian and submitted for the ratification of the membership at a special meeting to be held at 8:00 p. m. October 23rd, 1950, in the Los Angeles City Hall.

Respectfully submitted, G. G. Lawrence, Ruthann Williams, Elinor Slocum, C. M. Gale, Ira L. Allyn, W. E. Walton.

The report of the committee was unanimously adopted.

**Therefore, this proposed amendment will be voted on at Los Angeles City Hall, 8:00 p. m., October 23, 1950.**



# Begonia Francisii Zies.

*Drawing by Rudolf Ziesenhenn*

# *Begonia Francisii* Zies.

By Rudolf Ziesenhenne

BEGONIA (section WEILBACHIA (KLOTZSCH) Irmscher) *Francisii* Zies., new species, herbaceous perennial: stem (see figure 1) fleshy, creeping and rooting at the nodes the tip rising from the surface, oval, eight inches and longer,  $\frac{1}{4}$  inch in diameter, branching all along the stem, the entire length covered with foliage; internodes about 1 inch long, shortest  $\frac{1}{2}$  inch, longest  $1\frac{1}{4}$  inches, smooth, rusty brown; lenticels whitish and very small; leaf scar light brown; entire stem moderately covered with rusty brown shaggy hairs about  $\frac{1}{8}$  inch long (figure 2), dull surface: stipules (figure 3) remaining, like paper, unequal triangular, inner edge straight, outer edge rounded, tip sharp-pointed, margin even,  $\frac{1}{4}$  inch wide at the base,  $\frac{3}{8}$  inch long, sap green 62/3 (The number refers to the color in the Royal Horticulture Society Color Chart), a very few reddish-brown hairs on the back; keeled with the tip running out to a long hair-like point and extending about  $\frac{1}{32}$  of an inch beyond the tip of the stipule, several reddish-brown hairs (figure 2)  $\frac{1}{8}$  inch long on the edge of the keel, chrysanthemum crimson 824/1: leafstem (figure 4) 4 inches long, shortest 3 inches, longest 5 inches long,  $\frac{3}{16}$  inch in diameter, pod green 061/2, dull; lenticels small and narrow, whitish; moderately covered with reddish-brown hairs (figure 2)  $\frac{1}{8}$  inch long: leaf peltate, spoonshaped, firm and somewhat fleshy (figure 5) spinach-green 0960, veins pod-green 061/2, bare, shiny; below (figure 6) rhodonite-red 0022, at margin and between veins, pod-green 061/2 along veins, a few reddish-brown hairs (figure 2) on the veins, shiny; unequal, elliptical egg-shaped, sharp to taper-pointed, margin even to obscurely toothed, 3 inches long and 2 inches wide; palmately 7 veined (figure 6) outside basally 2, laterally 1, inside basally 2, laterally 1, midrib 1: inflorescence (figure 7) a cyme, few-flowered, blooms in July and August; flowerstems come from the leaf axils, round, about 4 inches long,  $\frac{3}{32}$  inch in diameter, pod-green 061/2, dull, moderately covered with reddish-brown hairs (figure 2)  $\frac{1}{8}$  inch long; pedicels about  $\frac{3}{8}$  inch long, covered with reddish-brown hairs (figure 2)  $\frac{1}{8}$  inch long; largest leaflet on the flowerstem (figure 8) turns brown early, papery in texture, unsymmetrical, roundish on one edge, the other edge rounded at the base and concave near the tip, margin even, bare, about  $\frac{1}{8}$  inch long,  $\frac{3}{32}$  inch wide: male flowers (figure 9) petals 2, whitish, round, margin even,  $\frac{9}{16}$  inch long,  $\frac{1}{2}$  inch wide, back (figure 10) thinly covered with reddish-brown hairs

(figure 2)  $\frac{1}{8}$  inch long; stamens 29, (figure 11) oblong, blunt, connective produced,  $\frac{1}{8}$  inch long, filaments of unequal lengths, about  $\frac{1}{32}$  inch long from a somewhat raised base (figure 12); flower female, (figure 13) petals 2, whitish, circular, margin even,  $\frac{9}{16}$  inch long,  $\frac{21}{32}$  inch wide, on the back (figure 14) thinly covered with reddish-brown hairs (figure 2); styles 3, (figure 15)  $\frac{1}{8}$  inch long, united  $\frac{2}{3}$  of the way from the base; stigma branches not twisted (figure 16), tip two-lobed, half-moon shaped (figure 17), papillae on the tip and around the edge finally falling; capsule (figures 14 & 18)  $\frac{7}{16}$  inch long and  $\frac{3}{16}$  inch wide, oval with blunt base, tip necked, one large wing  $\frac{5}{16}$  inch long,  $\frac{5}{16}$  inch wide at the base, triangular, tip blunt, on the other angles thick, fleshy marginal ridges, wing and pod thinly covered with reddish-brown hairs (figure 2)  $\frac{1}{8}$  inch long; ovary (figure 19) 2-celled, placenta 2-divided and carrying seeds on all sides; seed (figure 20) oblong.

Mexico, Chiapas, near Rio Mala, 3500 ft. elevation (500 ft. below Union Juarez), on lower slopes of Volcano Tacana. In soil on moist shaded bank. Mr. Thomas MacDougall No. C. 70. January 12, 1949.

*Begonia Francisii* is easily distinguished from its close relatives *B. reptans* Benth. & B. *Liebmanni* A. DC. by its peltate and spoon-shaped leaves.

*B. Francisii* is named in honor of Myrtle Shepherd Francis of Ventura, California, who is one of the pioneer begonia lovers and nursery women of California. With her mother, Mrs. Theodosia Burr Shepherd, Mrs. Francis was actively engaged in important hybridizing work at their nursery in Ventura at the turn of the century. The famous petunias brought them world-wide fame, but their *B. Marjorie Daw* is probably the most important Begonia contribution by the nursery.

*B. Francisii* is a lovely nasturtium-like plant, with slender, hairy stems which grow horizontally and root at the nodes when they touch a moist surface. It should be valuable for moss walls and ground beds where it can grow and spread at will. In a pot on a bench it is found rooting in every pot it passes over in its continual growth in all directions. At present there is no similar begonia in cultivation. The other scandent-type begonias are satisfied to trail when a moist wall is not available to them, but *B. Francisii* persists in its efforts to grow up. I find that the regular begonia soil is much to the liking of this plant.

**BEGONIA** (section **WEILBACHIA** (KLOTZSCH) Rimscher) Francisii Zies., spec. nov., herba perennis: caule carnoso, repenti, elliptico, 15 cm. longo, 6.5 cm. crasso, tota ramosi, tota foliato; internodiis 2.5 cm. longes, 1.3 cm. brevis, 3.2 cm. longibus; opaquis, ferrugineis; lenticellis albidis, non prominerere; cicatibus, hepaticis; moderate ferrugineis-hirsutis; stipulis persistentibus, papyraceis, obliquis triangularibus, rotundis, apicibus obtusis, 7 mm. latis, 10.5 mm. latis, viridis vernalis 62/3 (Royal Horticultural Society, Color Chart); carinatis, apicibus acuminatis, piliferis protruderibus 1 mm. apicibus, moderate ferrugineis-hirsutis, 1.2 mm. longis ad marginibus, carmineis chrysanthemi 824/1; petiolis teretis 4 mm. diametro ad basis, 10 cm. longis, 7.5 cm. brevis, 13 cm. longioribus, viridis valvaris 061/2, opacis; lenticellis albidis; modestis ferrugineis-hirsutis 1.2 mm. longis; foliis peltatis, conchiformis, carnosus, nitidis, viridis spinaciae 0960, nervis viridis valvaris 061/2, glaberis; subtis ruber rhodontici 0022, ad marginibus et inter nervis, nervis paucis ferrugineis-hirsutis; oblique ellipticis-ovatis, acutis ad acuminatis, integris vel obscure denticulatis, 8 cm. longis, 5 cm. latis; palminervis 7-nerviis, extus basilaribus 2, lateraribus 1, intus basilaribus 2, lateralibus 1, costis 1; inflorescentia cymosa, paucifloris, Juli-Augusti; pedunculis axillaribus, teretis ca.

10 cm. longis, 2 mm. diametro, viridis valvaris 061/2, opacis, moderate ferrugineis-hirsutis; bracteis primariis deciduis, celtris ferrugineis, papyraceis, obliquis, extus rotundis, intus ad basis rotundis, ad apicibus concavis, apicibus acutis, marginibus integris, ca. 3 mm. longis, 2 mm. latis; tepalis masculinis 2, albidis, rotundis, marginibus integris, 14 mm. longis, 13 mm. latis; extus moderate ferrugineis-hirsutis; staminibus 29, filamentis inaequalis ca. 1 mm. longis, in aliquantibus erigere basis, antheris 2 mm. longis, oblongis, obtusis, connectivo producto; floribus femineis ebracteatis, tepalis femineis 2, albidis, orbicularibus, obtusis, 14 mm. longis, 15 mm. latis, extus moderate ferrugineis-hirsutis, marginibus integris; stylis 3, 5 mm. longis, basis connatis, apice lunulato-bilobis, stigmatibus capitatis et marginibus, ultimis deciduis; capsula 11 mm. longo, 4 mm. lato, ellipsoideo, base obtuse, apice obtuse, ala unica, triangulari, obtuse, 8 mm. longa, 8 mm. lata, totus les autres angulis carnosus montis, ala et capsula moderate ferrugineis-hirsutis; ovario 2-loculato, placentis bilamellatis, uidique ovuliferis; semen oblongis, obrusis.

Mexico, Chiapas, near Rio Mala, 3500 ft. alt., (500 ft. below Union Juarez) on lower slopes of Volcano Tacana. In soil on moist shaded bank. Mr. Thomas MacDougall No. C. 70. January 12, 1949.

## HOW TO BUILD A COMPOST PILE

(As told at the June meeting of the Missouri Branch by Mrs. Wm. D. Breshears and recorded by Mrs. Lynne K. Wood, acting secretary.)

Mrs. Breshears has had thirty-three years of experience as a floriculturist.

"The compost pile is an important part of our business, and this is the way to do it RIGHT. I never expect anybody to agree with me!

"Dig a hole one foot deep at least four feet across, or as large as you like, at the far end of your lot (next to your neighbor). Plant shrubs on your side! Castor Beans are nice. Your neighbor can do what he wants on his side.

"The soil that was dug out should be laid to one side and then put in anything (weeds, old cabbage, lawn clippings) until it is a foot thick. Put on three or four inches of soil. Keep the pile low in the middle and keep it moist. Put on another 12 inches of stuff. (Garbage is not recommended because it brings rats.) Grapefruit rinds, seeds, etc., are all right because they rot. Add three or four inches of soil.

"Put on bone meal after each layer of soil. Bone meal has enough lime to keep the pile sweet but not enough to hurt any plant. It also helps the pile to rot quicker.

"Build it up all summer with the layers. When through in the fall, put on last layer of soil with center lower to catch snow.

"Cut straight down and use in the spring.

"Never turn the pile.

"Hereafter the compost is called soil.

"When you go to mix soil to use, add one, two, or two and a half gallon buckets of sand to two wheelbarrows of soil.

"To have flowers on tiny plants, mix a handful of Milorganite to three gallons of soil for repotting plants. The seedlings don't get any Milorganite the first time they are potted

from the flats.

"To bring out the flowers when the plants are established in their pots, put a pinch of Vigoro on the soil around the plant. Do this about once a month.

"Put on the Vigoro by your second or third sense."

## LIBRARY NOTES

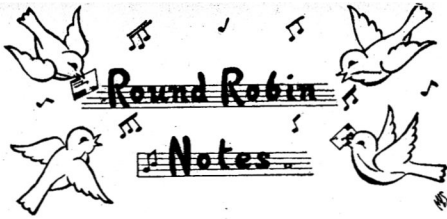
The growing demand for reference material on Ferns, those lovely companion plants of Begonias, has finally been met with the following acquisitions to your library:

**GENERA FILICUM**, the genera of Ferns, by Edwin Bingham Copeland, published by the Chronica Botanica Co. 1947—An account of the genera and families of pteridophytes filling a long-felt need for a modern account of the fern and fern allies of the world. This work is well supplied with keys to the genera, with which it is believed that any fern in the world may be properly identified.

**FERNS—BRITISH AND EXOTIC**—by E. J. Lowe—8 volumes—This work is beautifully illustrated in color and is considered the most complete descriptive material to be obtained. These volumes are very old, published in 1872, and will be circulated on loan, upon request, for fifteen days only until further notice. It would also seem best to request only one volume at a time in view of the fact that there will be a waiting list.

A new stock of books on Begonias—i. e., the Krauss and Buxton books, will soon be available for sale and it might be wise to send in your order for the holidays at an early date. There will be a complete list of material which may be purchased through your library in the November issue of the Begonian. Keep this in mind when making up your Christmas lists.—Gladys C. Nolan, Librarian.

"BUY BEGONIAN"



Mrs. Harvey Manning, Hayward, Calif.—A fern should never be repotted during its dormant season, because even the root system is resting and there is danger of losing the plant. Always repot or separate a fern when it is putting out new growth, because at that time it is also putting out a new root system.

Mrs. F. E. Cheeseborough, Galveston, Tex.—Does Nicotine Sulphate spray burn your maidenhair ferns? I use Evergreen or Triogen, neither of which burn.

Mrs. Kem Weber, Santa Barbara, Calif.—I use a RedArrow spray on my ferns and find no ill effect.

Mrs. Ellen McCulloch, Quebec, Canada—An old gardener of English estates tells me that it is a good plan to feed small doses of muriate of potash to amaryllis during their growing period. Potash feeds bulbs and tubers; it builds plant tissues, helps strengthen the plant and tends to make it less likely to contract plant diseases. Amaryllis do not like an acid soil according to this old fellow, and that is why muriate of potash is better for them; for acid-loving plants the sulphate of potash is the better kind. He said to water the pot (or the soil around the bulb, if in the garden) well, then stir about a teaspoonful of the potash around the rim of the pot (if large, less if the pot is small) and water again. Repeat in a month. He also said that in the greenhouse in which he worked before he retired they grew a lot of Zephyranthes, and their way of growing them surprised me. They never divided the bulbs but repotted the entire clumps into larger pots as necessary. He said the pots would be a mass of bloom. They dried the pots off for a few weeks then brought them out and began watering, and soon they had bloom again.

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#### "BUY BEGONIAN"

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**COVER PICTURE, cont. from page 215**

tion of rhizomatous specimens in the Inglewood A.B.S. Convention, being awarded the Gordon Baker Lloyd Cup. Mrs. Marie Turner is a member of the great San Gabriel Valley Branch whose island exhibit also won a trophy at the Convention Show. It seems to be filled with nothing less than great growers of great begonias!—Stanley Spaulding.

## President's Message

During the past several years, I have had the opportunity to see how many folks there are who are truly great lovers of Begonias and shade plants. I have made the acquaintance of many; then, too, I am sure I have made many lasting friendships.

May I express my thanks and appreciation to the many members at large and in the various branches, for the confidence you have placed in me, by electing me president of the American Begonia Society.

In our branch activities, we are drawn together by a mutual interest in making life more beautiful. We come to worship at the shrine of nature.

The past year was one of great progress in all departments, and we hope that the coming year will be one of greater growth and increased knowledge. We have a number of wonderful branch groups, and with the continued cooperation of the members of these branches, we are bound to progress.

Sincerely,

Frank S. Moore, President

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### BRANCH NEWS

**BARTON:** Our August meeting was held at the home of Mrs. Harold Reese with dessert being served at begonia decorated tables after a stroll through the garden of our hostess (whose husband is president of the Flint Yard and Garden Club). Hundreds of begonias raised from seed and in full bloom ready for the annual display, September 9th and 10th, were enjoyed—besides the tuberous begonias, caladiums, Jacob's Coat, gloxinias and annuals.

Regrets were manifest at the death of Dr. B. M. Grubb, a member of this branch.

A very profitable and interesting paper on the different flower and leaf formations of tuberous begonias, their care and storage, was given by Mrs. Ross Wheeler. She gave an itemized list for sources of information in back numbers of "The Begonian."

A paper on *calla-lily* begonias by Bess Shipley was read by Mrs. Reese, and open discussion followed. A source for purchasing these lovely *calla-begonias* is Vogt's on Ottawa Street in Sturgis, Michigan. He raises thousands of *calla* hybrids but warns they require fresh air in constant circulation and that heavy humidity is detrimental.

Mrs. Barton reported on the begonias of two A.B.S. members in Wisconsin, whom she visited this June. Mrs. Kartack, of Baraboo, uses a lath house in summer as well as rocky ledges under giant trees for her tuberous plants in pots. Mrs. Kusler, of Frederick, has a cloth-covered lath house for the more delicate species

Turn to page 224

# SEED FUND COLLECTIONS



Armchair Explorers' Corner—1950 A.B.S. Show

Photo by Ken Garrison Clarke

COLLECTION A .....	\$1.00	C5 <i>manicata</i>	
Tuberous:		C6 <i>manicata cristata</i>	
A1 <i>Andersoni</i>		C7 <i>rubro-venia</i>	
A2 <i>Clarkii</i>		C8 <i>tenuifolia</i>	
A3 <i>Froebelli</i>		COLLECTION D .....	\$1.50
A4 <i>gracilis</i> var. <i>diversifolia</i>		Rhizomatous—specialist's:	
A5 <i>Josephi</i>		D1 <i>aborensis</i> variety	
A6 <i>micranthera</i> species		D2 <i>Barkeri</i>	
A7 <i>picta</i>		D3 <i>Catbcartii</i>	
A8 <i>wild rose</i>		D4 <i>Griffithii</i>	
A9 mixed hybrids		D5 <i>laciniata lutea</i>	
COLLECTION B .....	\$1.00	D6 <i>lutea</i>	
Rhizomatous—beginner's:		D7 <i>megaptera</i>	
B1 <i>Feastii</i>		COLLECTION E .....	\$1.00
B2 <i>immense</i>		Fibrous—beginner's:	
B3 <i>Mrs. Townsend</i>		E1 <i>costa rica</i> species	
B4 mixed rhizomatous		E2 dark red species	
B5 <i>nelumbiifolia</i>		E3 <i>Jessie</i>	
B6 <i>Popenoei</i>		E4 <i>Manda's woolly bear</i>	
B7 <i>ricinifolia</i>		E5 <i>nitida</i>	
B8 <i>Schulziana</i>		E6 <i>pink rubra</i>	
COLLECTION C .....	\$1.50	E7 <i>Richardsiana</i>	
Rhizomatous—grower's:		E8 <i>Schmidtii</i>	
C1 <i>caroliniaefolia</i>		E9 <i>india</i> species	
C2 <i>hydrocotylifolia</i> hybrid No. 1		E10 mixed bedding	
C3 <i>hydrocotylifolia</i> hybrid No. 2		E11 <i>red lucerne</i>	
C4 <i>mexican</i> species No. 1331		COLLECTION F .....	\$2.00
		Fibrous—grower's:	

- F1 *calla lily*  
 F2 *decandra*  
 F3 *epipsila*  
 F4 *india spotted*  
 F5 *incana*  
 F6 *Kellermani*  
 F7 *Mrs. Kimball*  
 F8 *Scharffiana*  
 F9 *ulmifolia*  
 F10 *vitifolia*  
 F11 *Roezli*
- COLLECTION G ..... \$1.00  
 Fibrous—specialist's:  
 G1 *Bartoni*  
 G2 *chivatoa*  
 G3 *dichotoma*  
 G4 *dominicalis*  
 G5 *gigantea*  
 G6 *tomentosa*
- COLLECTION H ..... \$0.50  
 Colombia species:  
 H1 species Colombia E1  
 H2 species Colombia E7  
 H3 species Colombia E9  
 H4 species Colombia E11  
 H5 species Colombia E16  
 H6 species Colombia E18
- COLLECTION J ..... \$1.50  
 Philippine Isle species:  
 J1 *De Espejo*  
 J2 cane stemmed type  
 J3 pink flowered species  
 J4 white flowered species  
 J5 hairy type  
 J6 *Los Baros*  
 J7 mixed species (differing from above)



## Armchair Explorers

OCTOBER NEWSLETTER

We had a wonderful convention and flower show. I hope many of you were able to attend. Our booth was really nice again this year; of course Maud Nichols did most of the work, as usual—what a jewel she is! We had a background of bamboo and maps of the various countries from which we get our seed. Fish nets with corks attached partly covered a large wicker orchid basket from Costa Rica from which peeped lovely orchids—phalaenopsis and epidendrums—and maidenhair.

We had some lovely specimen plants grown from Seed Fund seed by Rudy Ziesenhenne,

Mrs. Marie Turner, and the Leathermans. Mrs. Cheney was there with her fern display, which was really breath-taking in loveliness; there is no plant more dainty than the adiantums. Mrs. Maud Nichols took charge of the booth with Mrs. Minter, Mrs. Dorothy Behrends, and Mrs. Cheney assisting. Unfortunately I became ill and had to miss a great portion of the show and convention. I am very sorry to have disappointed you as to the meeting and visit I had hoped to have with each of you, and I hope you will come again next year and I will surely be able to talk. Thanks to all those who so kindly helped me during the convention and to those who brought plants.

Members are asking about the new seeds and at this time I wish to offer you the nine begonia seed collections listed on the opposite page. Each collection will be complete. There will be no substitutes. We will make up the collections as far as the seed will go, and after that will offer the remainder either in mixed packets or separately. I hope the collections are worked out to your satisfaction. There are groups for beginners and for advanced growers who wish more difficult or rarer types. Collections range in price from 50c to \$2.00. You may have as many different collections as you wish, but only one of each kind please, so that more folks can get the seed. Order early and we will package and mail them as soon as we get them ready, not waiting until January as in the past.

As new seed arrives, it will be listed each month in *The Begonian*. Watch for it and order as you see it mentioned, for there will be no seed lists this year. Don't let any of this choice seed be wasted. Don't order it unless you expect to plant the seed and give it all necessary care. It is a lot of work getting and packaging the seed and I like to feel that those receiving the seed will grow some nice plants from it and then share them with others. Try to remember that the Seed Fund isn't a seed selling business but a department in your Society whereby we can combine our buying power and try to get better values.

I need back issues of *The Begonian*, especially from 1935 to 1940, and will either exchange seed for them or buy the copies. Write to me if you have copies you do not wish to keep.

I've been reading lots of good food for thought lately and realizing how fortunate we Begoniaites are in having a ready medium for good deeds and kindness. Let's tell others about our fine Society and interesting *Begonian*, share our seeds and plants, invite folks to our meetings and show everyone what fine people we can be.

Cheerio until next month—

Your Skipper, *Florence Carrell*

**BRANCH NEWS, cont. from age 221**

of begonias; *semperflorens* are against the sides of the house, east exposure, and the *cheimanthas* are kept on shelves inside a room, two sides of which are solid glass windows. Her *cheimanthas*, solid masses of gigantic pink bloom, are breath-taking.—*D. P. Barton*

**EL MONTE:** We have a new meeting place, friends and members:

*Fellowship Hall of the First Christian Church, 304 E. Valley Blvd., El Monte.*

Our October meeting will be held there.

—*Mary Bradley*

**FORT:** On August 5th, 9 members and Mrs. Fort set out for our picnic. The day was beautiful and our anticipations great. While driving, as we spotted wild flowers, we stopped and dug their roots, each of us being equipped with a paper bag to carry our findings. Only a few miles away, just outside Atzion, N. J., near a cranberry bog, we parked and roamed the bog and through the woods, finding a variety of wild-flowers, which Mrs. Fort identified for us. Many gathered oddly shaped pinebur twigs. We even obtained many choice tree saplings.

At lunch time we found an ideal spot, seemingly arranged for the occasion. It was an old deserted farmhouse with a large outdoor table, and several benches made of heavy boards nailed between six large shade trees growing only a few feet apart. Here we spread our lunches and discussed our findings. In the short business meeting which followed, our program chairman, Mrs. Lucia Jackson, reported planned programs for a year in advance. After a little more treasure-hunting we turned happily home-ward.—*A. Paynter*

**HUB CITY:** Our July pot-luck dinner at the home of Mr. and Mrs. Joe Ogden was most enjoyable. Mr. Frank S. Moore installed the following new officers: President, Mrs. Mildred Ogden; Vice-president, Mrs. Martha Powell; Secretary, Mrs. Dorothy Sarson; Treasurer, Mrs. Martha Powell; and National Representative, Mr. Joe Ogden.

Mr. Walton presented Mrs. Martha Foley and Mrs. Blanche Watts, past president, with a Begonia pin.—*Mrs. Irene Marsh*

**INGLEWOOD: A MESSAGE TO ALL BRANCHES—**

In closing our books and reviewing all records of the past Convention and Begonia Show, the Inglewood Branch as host to the Convention wishes to convey to all branches who gave support in attendance, donations, and personal aid, sincere and grateful thanks for their part in making this convention one long to be remembered.

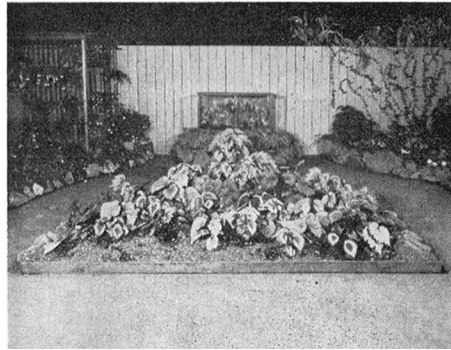
—*Bert Slatter, President*

**LA MESA:** At our recent election of officers Mrs. M. G. Osborne replaced Mrs. Barker as President. Mrs. G. W. McManus was elected Secretary. Capt. Barker has been called to active duty in the Canal Zone and we will miss them very much.

**PASADENA:** Arrangements have been made to meet during the coming winter months, in La Casita, a charming adobe under the Colorado Bridge on the western side of Pasadena. Plans being formulated by President-elect Bell indicate a coming year of great activity.

—*Alva G. Graham*

**PETALUMA:** Witness the fine rex exhibit put on by one of our members—



*Photo by Ken Schroll, Santa Rosa*  
**Blue Ribbon for Mrs. Mae Briggs—Sonoma Fair**

**SACRAMENTO:** We've done it again! Under Mrs. J. C. Young's able leadership our committee has come home from the California State Fair with 7 blue ribbons and 2 reds. Our display gave the effect of looking up a shady grotto with a large waterfall over colored rock falling into a deep pool and a curved path of stepping stones edged with *pink semperflorens* leading down to the entrance. Reflector lights played on the water and hidden fans made cool breezes. Two walls were fashioned of moss and maidenhair and the other of interlacing ivy. For background tall ferns, aralias, *lucerna* and *Evansiana begonias* were used with vari-colored caladiums for delicate contrast. Begonias in the various classes were massed, pots moss-hidden, on each side of the path, graduating in size down to the tiniest of *rexes*. We all know it took lots of work and good planning and our hats are off to Mrs. Young and her committee.

**PRIZE MONEY TOTALED \$399.00.**

Our July and August meetings were pot-luck in McKinley Park gardens and in August we enjoyed a colored picture of "Springtime in Holland."

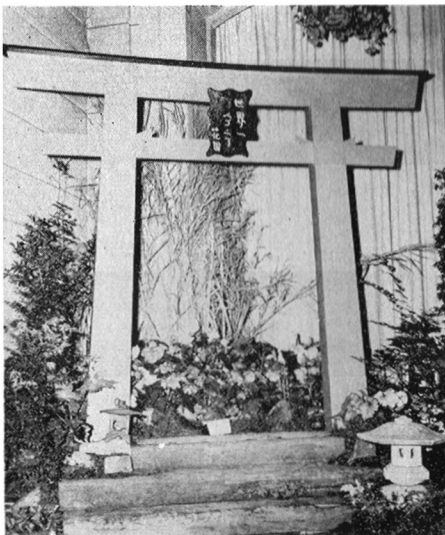
A most pleasing time was enjoyed by our President Mrs. L. M. Flannigan and her husband, National Representative J. C. Young and Mrs. Young and Branch Director Mrs.



J. R. Williams and Mr. Williams at the American Begonia Convention and Show in Inglewood. We enjoyed your hospitality and friendliness as always.—Mrs. John R. Williams

SAN FRANCISCO: Note our new meeting place at 603 Taraval Street,—a lovely new building to which we will welcome as many visitors as can come to see us.

We are surely proud of ourselves. At the annual San Francisco Flower Show, which is held in the rotunda of our City Hall, the 30th and 31st of August, we took top honors—First Prize of the Show—for a replica of the Japanese Tea Garden section of Golden Gate Park. We also took 2nd and 3rd places for arrangements in the remaining three classes. Do you blame us for being happy?



San Francisco Wins First Prize with Begonia-glorified Japanese Tea Garden

At our regular meeting in September we were very happy to welcome as our guests Mr. and Mrs. Clarence Hall of Ventura, Past National President. After the meeting some members took him on a garden tour which wound up at midnight. Reports on the convention were given by Ira Allyn and he told of the lovely flower show at Inglewood. Congratulations, Inglewood! After a report on our own show, President Art Mann showed his colored slides and we saw some very lovely begonias and other flowers—Paulyne A. Meyer

SEATTLE: Ferns, the aristocrats of the plant world, were the topic of our August meeting, Mrs. Franz Nehammer, speaking, at the Paul Deiro home. It was very apparent while listening to our speaker that after twenty years of collecting "outdoor" ferns she was truly in love with this family of spore-bearing plants. She presented many specimens of the family,

showed us the fertile and sterile fronds of some and described methods of propagation. Suggested companion plants were begonias, local huckleberries, primroses and astilbes. It was emphasized that ferns do not necessarily require a deep fibrous leaf mold soil, but prefer a mulch of this type soil through which their roots may reach to the more mineral soil underneath.

Brief cultural notes relative to a few of those described follow:

*Adiantum* (maidenhair fern) prefers light, loose, rich soil in cool, moist shade with annual mulch of leaves.

*Asplenium felix-faemina* (lady fern) prefers good, rich, moist, well-drained loam with some shade. A beautiful and extremely variable fern.

*Dryopteris*—This group's preferences vary from moist, rich loam in full shade to quite dry conditions in full shade or moist humid conditions in full sun.

*Polystichum*—Members of this group are all evergreen, all require considerable shade and light, not spongy, loam. Some will endure full sun for a time. Young are produced on the fronds.

*Osmunda regalis* (royal fern) prefers wet, boggy positions in partial shade. A very distinct fern.

*Phegopteris Dryopteris* (oak fern) prefers good soil in shade, not wet, just moist. Does not like leaf mulch. Is the loveliest of small ferns, excellent for shaded rock planting.

—S. A. McClanahan

SOUTH GATE: Note our new meeting place—South Gate Municipal Auditorium—where we can welcome you all!—J. S. Human

TEXAS: Our August meeting was held at the home of Mr. and Mrs. Fred M. Owens. We voted to have a booth at the South Texas State Fair in Beaumont, Texas, to be held in October. This will be our first public display of Begonias. We will also have Begonias for sale for those interested.

We have a new project. During the school year the members will furnish flowers for the "Hughes School for Crippled Children" in Port Arthur. Members brought cut flowers and potted plants and arranged them in the school for the opening day. We feel sure the flowers will cheer the children and hope some will become interested in learning about Begonias. The members will change the flowers each week, or when necessary.

Books outlining our "Study of Plants" were given the members. Mrs. H. F. Sikes discussed the method of study we will use, and Mrs. R. J. Wilson, Jr., discussed the "Classifications of Plants" and the use of the vocabulary. Mrs. Wilson will have charge of the

Turn to page 227

## Branch Meeting Dates and Places

**BARTON, DOROTHY PIERSON BRANCH**  
Regular Meetings 1st Mondays in February, May, August and November. Two annual exhibits, May and September, 1:30 p.m., Dessert Mrs. George W. W. Barton, Director 929 East 7th St., Flint 3, Michigan.

**BELLFLOWER BRANCH**  
1st Monday, Oct. 2, Nov. 6, 7:30 p.m. I.O.O.F. Hall, Ardmore and Palm Sts. Mrs. Mildred Marshall, Secretary 8733 East Flower St., Bellflower, Calif.

**EAST RAY BRANCH**  
2nd Thursday, Oct. 12, 7:45 p.m. Willard School, Ward Street C. F. Jensen, Sec. 3720 Cerrito Ave., Richmond, Calif.

**EL MONTE COMMUNITY BRANCH**  
3rd Thursday, Oct. 19, 8:00 a.m. Christian Ch. Fellowship Hall, 304 E. Valley Mrs. Mary Bradley, Cor. Sec. 701 Asher St., El Monte, Calif.

**FOOTHILL BRANCH**  
1st Friday, Oct. 6, Nov. 3, 8:00 a.m. Woman's Club House, 1003 Azusa Ave., Azusa Mrs. Mabel Goheen, Secretary 360 W. Sierra Madre Ave., Glendora, Calif.

**FORT. ELSA BRANCH**  
1st Saturday, Oct. 7 Mrs. Marion R. Thompson, Secretary 129 White Horse Pike, Magnolia, N. J.

**GLENDALE BRANCH**  
4th Wednesday, Oct. 25, 8:00 p.m. Tuesday Afternoon Club, 400 N. Central Ave. Mrs. D. H. Bradley, Secretary 1432 E. Wilson, Glendale 6, Calif.

**GRAY, EVA KENWORTHY BRANCH**  
3rd Monday, Oct. 16, 7:30 p.m. Community House, La Jolla Tillie Center, Corres. Secy. 7356 Eads St., La Jolla, Calif.

**GRUENBAUM, MARGARET BRANCH**  
4th Tuesday, Oct. 24, 10:30 a.m. Home of Members Box Lunch 12:30, Program following Mrs. Ernest Jones, Sec. R.F.D., Willow Grove, Pa.

**HOLLYWOOD BRANCH**  
2nd Thursday, Oct. 12, 7:00 p.m. Plummer Park, 7377 Santa Monica Blvd. Mrs. Walter J. Butt, Cor. Secy. 861 So. Harvard, Los Angeles 5, Calif.

**HUB CITY BRANCH**  
3rd Monday, Oct. 16, 7:30 p.m. Roosevelt High School Cafe 1200 E. Olive, Compton, Calif. Mrs. Mildred Ogden, Secy. 114 East Olive St., Compton 3, Calif.

**HUMBOLDT COUNTY BRANCH**  
2nd Monday, Oct. 9, 8:00 p.m. Los Amigos Club, Loleta, Calif. Miss Margaret Smith P. O. Box 635, Ferndale, Calif.

**INGLEWOOD BRANCH**  
2nd Thursday, Oct. 12, 8:00 p.m. 325 No. Hillcrest, Inglewood, Calif. Mrs. Minna Slatter, Secy. 4600 6th Ave., Los Angeles, Calif.

**LA MESA BRANCH**  
2nd Monday, Oct. 9, 8:00 p.m. Porter Park Mrs. G. W. McManus Rt. 1, Box 1070, La Mesa, Calif.

**LONG BEACH PARENT CHAPTER**  
3rd Tuesday, Oct. 17, 7:30 p.m. Alamitos Library, 1836 E. 3rd St., Long Beach, Calif. Mrs. Mary Congdon, Treas. 1500 East 4th St., Long Beach, Calif.

**MIAMI, FLORIDA BRANCH**  
4th Tuesday, Oct. 24, 8:00 p.m. Simpson Memorial Garden Center Miss Elizabeth S. Hall, Sec. 2572 Trapp Ave., Miami 35, Fla.

**MISSOURI BRANCH**  
4th Tuesday, Oct. 24, 8:00 p.m. Member's Residence Mrs. Ruth Edwards, Sec. 2539 Holmes, Kansas City, Mo.

**NEW ENGLAND BRANCH**  
Mrs. H. H. Buxton, Sec. 114 Central St., Peabody, Mass.

**NEW YORK SUBURBAN BRANCH**  
Sec.-Treas.: Mrs. Dorothy F. Michaelson P. O. Box 818, Denville, N. J.

**NORTH LONG BEACH BRANCH**  
2nd Monday, Oct. 9, 7:30 p.m. Houghton Park Club House Harding & Atlantic, No. Long Beach F. John Nachbor, Secy. 6217 Butler Ave., Long Beach 5, Calif.

**ORANGE COUNTY BRANCH**  
1st Thursday, Oct. 5, Nov. 2, 7:30 p.m. Farm Bureau Hall, 353 So. Main St., Orange Sec.-Treas., Mrs. W. L. Everett, R. 2, Box 146 Orange, Calif.

**PASADENA BRANCH**  
3rd Monday, Oct. 16, 7:30 p.m. La Casita, Pasadena J. F. Thompson, Sec.-Treas. 739 No. Wilson, Pasadena 6, Calif.

**PETALUMA BRANCH**  
3rd Friday, Oct. 20, 8:00 p.m. McKinley Rec. Center, Washington & Vallejo Sts. J. Earl Wilson, Secretary 111 Hill Blvd., Petaluma, Calif.

**PHILOBEGONIA BRANCH**  
Mrs. Lillian Watts, Sec. 405 Cotswald Lane, Wynnwood, Pa.

**REDONDO AREA BRANCH**  
3rd Monday, Oct. 16, 8:00 p.m. Community Hall, 1620 Pier Avenue Redondo Beach, Calif. Mrs. Arline Stoddard, Sec. 522 So. Guadalupe Ave. Redondo Beach, Calif.

**RIVERSIDE BRANCH**  
2nd Wednesday, Oct. 11, 8:00 p.m. Member's Residence Mrs. Zena L. Twomley, Sec. 7154 Magnolia Ave., Riverside, Calif.

**ROBINSON, ALFRED D. BRANCH**  
4th Tuesday, Oct. 24, 8:00 p.m. 3030 Homer Street, San Diego 6, Calif. Mrs. Edyth Sherwood, c/o Mrs. Leta Wescott 1767 Sunset Cliffs Blvd., San Diego 7, Calif.

**SACRAMENTO BRANCH**  
3rd Tuesday, Oct. 17, 8:00 p.m. Garden Center, McKinley Park Mr. J. C. Roberts, Secretary 293 40th St., Sacramento, Calif.

**SALEM, OREGON BRANCH**  
1st Thursday, Oct. 5, Nov. 2, 7:30 p.m. Salem Y.M.C.A. Mrs. Dan Scharf, Secretary 2750 Lancaster Dr., Salem, Oregon

**SAN DIEGO BRANCH**  
4th Tuesday, Oct. 24 Lions' Club, 3927 Utah St. Mrs. D. M. McDaniel, Sec. 1059 Meade Ave., San Diego 3, Calif.

**SAN FERNANDO VALLEY BRANCH**  
2nd Monday, Oct. 9, 7:30 p.m. Garden Center, 11134 Weddington, No. Hillywd. Mrs. Nel Schoenbrom, Secretary 7961 Balboa Blvd., Van Nuys, Calif.

**SAN FRANCISCO BRANCH**  
1st Wednesday, Oct. 4, Nov. 1, 7:30 p.m. 603 Taraval St. Sec., Mrs. Wm. Meyer 1422 27th Ave., San Francisco 22, Calif.

**SAN GABRIEL VALLEY BRANCH**  
4th Wednesday, Oct. 25, 8:00 p.m. Masonic Temple, 506 S. Santa Anita Av., Arcadia Mrs. Dorothy deHart, Sec. 509 So. Rosemead Blvd., San Gabriel, Calif.

**SANTA BARBARA BRANCH**  
2nd Thursday, Oct. 12, 7:30 p.m. Rm. 5, Com. Center, 914 Santa Barbara St. Santa Barbara, California Roy G. Pierce, Secy. 914 Olive St., Santa Barbara, Calif.

**SANTA MONICA BAY BRANCH**  
1st Wednesday, Oct. 4, Nov. 1, 7:30 p.m. 225 - 26th St. (upstairs), Santa Monica, Calif. Mrs. J. R. Hall, Secretary 933 17th St., Santa Monica, Calif.

*See next page*

**SANTA PAULA BRANCH**

4th Thursday, Oct. 26, 6:30 p.m.  
Steckel Park  
Mrs. Beryl Ernsberger, 621 Santa Paula St.  
Santa Paula, California

**SEATTLE BRANCH**

3rd Tuesday, Oct. 17  
Member's Homes  
Mrs. Thomas Myers, Secy.  
6057-31, N. E., Seattle 5, Washington

**SHEPHERD, THEODOSIA BURR BRANCH**

1st Tuesday, Oct. 3, Nov. 7, 7:30 p.m.  
Alice Bartlett C. H., 902 E. Main, Ventura, Calif.  
Mr. Robert Renshaw, Secy.  
560 So. Coronado, Ventura, Calif.

**SO. ALAMEDA CO. BRANCH**

3rd Thursday, Oct. 19, 8:00 p.m.  
Faculty Cafeteria, High School, Hayward, Calif.  
Mrs. Harvey Manning, Cor. Secy.  
21455 E. 14th St., Hayward, Calif.

**SOUTHGATE BRANCH**

4th Tuesday, Oct. 24, 7:30 p.m.  
South Gate Municipal Auditorium  
Mr. Ray Venable, Secy.  
8624 Garden View Ave., Southgate, Calif.

**TEXAS STATE BRANCH**

4th Friday, Oct. 27  
Mr. E. Weaver, Pres.  
1325 Thomas Blvd., Port Arthur, Texas

**WESTERN PENNSYLVANIA BRANCH**

2nd Tuesday, Oct. 10, 11:00 a.m.  
Phipps Conservatory, Schenley Park,  
Pittsburgh, Pa.

Mrs. John C. Schmucker, Sec.-Treas.  
Box 233, Brownsville, Pa.

**WESTERN RESERVE BRANCH, CLEVELAND, O.**

4th Wednesday, Nov. 22, 8:00 p.m.  
Garden Center, 10013 Detroit St.  
Cleveland, Ohio

Mrs. Edward Lobser, Cor. Sec.  
25912 Westlake Rd., Bay Village, Ohio

**WHITTIER BRANCH**

4th Tuesday, Oct. 24, 7:30 p.m.  
Union High School, Room 19  
Lindley Ave. Entrance, Whittier, Calif.  
Mrs. Dorothy Hovanec, Secy.  
630 Palm Avenue, Whittier, Calif.

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**BRANCH NEWS, cont. from page 225**

study period at our next meeting. Her subject will be "Roots and Stems." We have heard from several A.B.S. members in Texas. We will be happy to hear from others. Write: E. Weaver, 1325 Thomas Blvd., Port Arthur, Texas.—Cordially, *Mrs. Fred M. Owens*

**AUTO. WATERING, cont. from page 214**

mortised for the trough. Do not put any drainage in the bottom of the boxes or you will break the capillary contact.

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*(The above ideas present a simple solution to many watering problems. I have been in the habit of advising my hanging basket owning friends to "water your baskets when you brush your teeth." It would seem this method would be the garden-salvation of those who forget to brush their teeth!—Editor.)*

**Cont. from page 212:**

the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting; also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner.

5. The average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the 12 months preceding the date shown was: (This information is required from daily, weekly, semi-weekly, and tri-weekly newspapers only.)

**AMERICAN BEGONIA SOCIETY**

By Stanley Spaulding, Editor

Sworn to and subscribed before me this 15th day of September, 1950.

Lynn Leopold

Notary Public in and for the County of Los Angeles, State of California (SEAL) (My Commission Expires June 29, 1951).

**CONDENSED MINUTES**—Annual meeting & Flower Show of the American Begonia Society held in the Crozier School, Inglewood, Calif., Aug. 2nd & 3rd, 1950.

Annual meeting convened at 2 p. m. with President Walton in the Chair. Executive Board members present—Messrs. Walton, Moore, Gale, Trowbridge, Lorenz, Bailey; Mesdames Korts, Nolan, Schwedtfeger, Hixon, Hartwell. Branches represented Robinson, Bellflower, East Bay, El Monte, Foothill, Glendale, Hollywood, Hub City, Inglewood, Parent Branch, North Long Beach, Pasadena, Petaluma, Riverside, Sacramento, San Diego, San Francisco, San Gabriel Valley, Santa Monica, S. Alameda, Ventura, Whittier, Santa Paula, South Gate, Hub City, Redondo Beach Area.

A Committee composed of Ira L. Allyn, Chas. H. Congdon, and Gonda Hartwell tallied the 359 votes, resulting as follows:

Cal Trowbridge ..... President-Elect  
E. O. Sherer ..... Treasurer

Howard Small ..... Director for 3 years.  
President stated many branch reports had been received, very interesting reports too, which the National Board would use later on.

Mr. Allyn of the San Francisco Branch brought up the matter of increasing the dues in the A.B.S. and stated that in view of the advanced costs in printing, paper, and all other materials he did not see how the magazine could continue and maintain the present standards unless the dues were raised. This brought up a general discussion which many of the branches represented entered into and resulted in a committee being appointed to check into the matter and report at an adjourned session. (See copy of resolution printed elsewhere in the magazine.)

President asked for bid for 1951 Convention. No bid was made so the matter will be held open to a later date.

In accordance with the views of the meeting, President asked to appoint a Constitution Committee whose duty it shall be to check the present Constitution and suggest such changes as they deemed necessary. At the adjourned meeting a Committee was named—W. E. Walton (Chairman), George Lawrence and Elinor Slocum, they to report at a later date.

Maria Wilkes was introduced as installation officer, and in her very gracious and charming manner installed the newly elected officers; Mrs. Wilkes held the undivided attention of everyone and made it an installation long to be remembered.

President Moore now took over and presented to Past President Walton his Life Membership card from the entire membership and a set of Bailey's Cyclopedea of Horticulture. Mr. and Mrs. Miller, of Miller's Begonia Gardens, presented a lovely seedling rex begonia which had been named for Mr. Walton.

Mr. Frank Reinelt was then introduced and gave a very much enjoyed talk on begonias. It is always a worth-while session when Mr. Reinelt is speaking and this talk was an appropriate finale to a perfect Begonia Convention.

Respectfully submitted

Gonda Hartwell, Secretary

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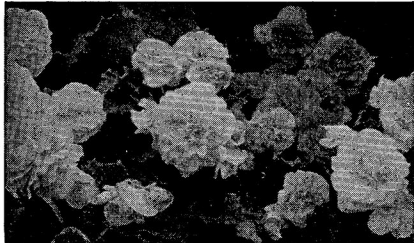
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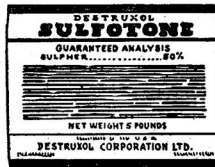
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