

The BEGONIAN

Devoted to the Sheltered Gardens

Merry Christmas

☆
CHRISTMAS
ARRANGEMENT
OF BEGONIAS

By
MRS. LOLA SCHRAM

☆
Glenn Motschman
Photo

☆
DECEMBER
1953

☆
TWENTY-FIVE
CENTS

☆
VOL. XX
No. 12

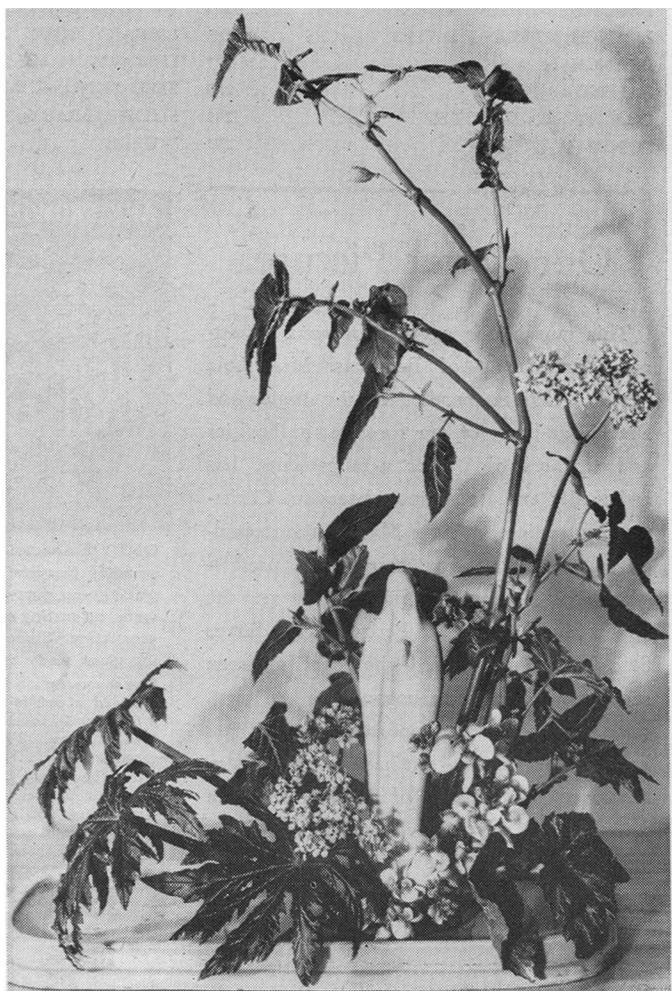


Table of Contents

Feature Articles—

BEGONIA ELODYE	265
NOW . . . WITH TUBEROUS	270-271
OUR COVER PICTURE	262
PERSONALITIES: JOHN PAUL EDWARDS	269
RECENT BEGONIA VARIETIES REGISTRATIONS	266-267
SHAVINGS AS A SOIL AMENDMENT	268-269
SLANTED TOWARD THE BEGINNER	274
THE CHRISTMAS ROSE	273

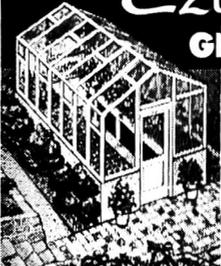
American Begonia Society—

BEGONIA JUDGING CLASS OF 1953	275	IN MEMORIAM	275
BRANCH MEETING DATES, PLACES	282-283	LIBRARY BOOK LIST	278-280
BRANCH NEWS	276-277	LIBRARY NOTES	278
CALENDAR	283	SEED FUND, C. M. KELLY	267
CONDENSED MINUTES	281	SLIDE LIBRARY	273
CONTEST	271	WHERE	269

Our Cover Picture

This month our cover features a Christmas arrangement of Begonias. Mrs. Lola Schram, charter member of the Inglewood Branch, and one of our foremost authorities and teachers of flower arrangements, has artistically executed a most beautiful Christmas centerpiece, using a Madonna surrounded by Begonias. For height she used a branch of *B. compta*, on the left are the silver leaves of *B. Sir Percy* and *B. Silver Star*, with three leaves of the beautiful green star type rhizomatous begonia on the right (this begonia was imported by William Brooks from Mexico but has not as yet been identified) and clusters of the delicate white flowers of *B. compta*, with clusters of flowers of *B. Emma Palmer* with their red hairs for accent.

ANY GROWING CONDITION IS YOURS
IN AN **Ezyrected GREENHOUSE**



Ideal for back yard gardens. **Ezyrected** Greenhouses are economical, attractive, and easy to erect. Made of redwood and aluminum—no rust, no rot. Variety of types and sizes to fit your space.

ONLY **Ezyrected** Greenhouses have these outstanding features: space-saving sliding door, dry glazing—no putty or caulking, high vertical side walls, no cutting or drilling, high sidewall and roof ventilation. Shipped in fabricated sections, including glass, ready to assemble on your foundation. The seven section Little Gardener pictured above is approximately 9 feet by 14 feet or 126 square feet of area. This particular greenhouse is

Other **Ezyrected** Greenhouses from \$176, including plans for your foundation. With an **Ezyrected** Greenhouse you get more space for less cost. Start small and add to your greenhouse in the future when your experience demands.

\$462.

FREE CATALOG

TEXAS GREENHOUSE CO.
1505 WEST ROSEDALE FORT WORTH, TEXAS

Affiliated with the American Horticultural Society, The American Horticultural Council, and The Los Angeles State and County Arboretum

General Offices: Box 2544, Los Angeles 54, California

OFFICERS

President Glenn W. Motschman
9601 Haas Ave., Los Angeles 47, Calif.

Pres.-Elect, Ways & Means Chair. Jack E. Koebig
520 S. Guadalupe Ave., Redondo Beach, Calif.

Past President, Bus. Manager Mrs. Edna L. Korts
3628 Revere Ave., Los Angeles 39, Calif.

Treasurer Charles Richardson
5444 Hartwick St., Los Angeles 41, Calif.

Secretary Mrs. Daisy Walker
4412 Gaviota Ave., Long Beach 7, Calif.

Membership Secretary .. Mrs. Dorothy S. Behrends
Box 2544, Los Angeles 54, Calif.

Vice-President 1 Yr. R. H. Terrell

Vice-President 2 Yr. Mrs. Ruthanne Williams
2160 Stacia Way, Sacramento, Calif.

Vice-President 3 Yr. Mrs. Louise Schwerdtfeger

NOMENCLATURE Director ... H. M. Butterfield
121 Giannini Hall, U. C. Berkeley, Calif.

Nomenclature Committee .. Mrs. Bessie R. Buxton
Mrs. Emma M. Carleton, Mrs. Alice M. Clark,
Dr. V. T. Stoutmeyer, Frederick, J. Bedson FRHS,
Herbert P. Dyckman, R. S. French.

Parliamentarian Roy Joyce
Director of Publicity Bert Slatter
4600 Sixth Ave., Los Angeles 43, Calif.

Slide Library, Speakers Bureau, Mrs. Velda Scalley
1415 W. 104th St., Los Angeles 47, Calif.
Slide Library Committee
Mrs. Daisy Walker, Fred Schultz

Flower Show Chairman Mrs. Eseline Reynolds
702 S. Broadway, Redondo Beach, Calif.

Flower Show Committee
Stanley Spaulding, Louis Scalley, Mrs. Jean Kerlin,
Mrs. Dorris Motschman.

Historian Mrs. Gonda Hartwell
1719 Alamitos Ave., Monrovia, Calif.

A. B. S. LIBRARY

Librarian Mrs. Arline Stoddard
522 S. Guadalupe Ave., Redondo Beach, Calif.

PUBLIC RELATIONS DIRECTOR

Frank S. Moore
425 N. Ave., 56, Los Angeles 42, Calif.

Public Relations Committee
Mrs. Louise Schwerdtfeger Assistant Director
1450 Cantera Ave., Hope Ranch
Santa Barbara, Calif.

Mrs. David Talbot Northwestern Chairman
6209 Riverside Dr., Vancouver, Wash.

Mrs. Elsa Fort Eastern Chairman
6123 Cedar Ave., Merchantville, N. J.

Mrs. Marie Reed Round Robin Chairman
325 Breed Ave., San Leandro, Calif.

Mr. E. Weaver Southern Chairman
1325 Thomas Blvd., Fort Arthur, Texas

The Clayton M. Kelly Research Dept.

Research Director Fred Schultz
11007 Chanera St., Inglewood, Calif.

Research Committee Miss Charlotte Hoak

SEED FUND

Mr. and Mrs. Jack MacLanahan, Chairmen
3734 Overland Ave., Los Angeles 34, Calif.

Hybridizing Chairman Stuart C. Smith
1419 W. 104th St., Los Angeles 47, Calif.

BEGONIAN STAFF

Editor Mrs. Margaret Fenn
1201 Pier Ave., Redondo Beach, Calif.

Sub-Editor, Nomenclature Mrs. Jean Kerlin
3207 Perlita, Los Angeles 39, Calif.

Sub-Editor, Gen. Research .. Mrs. D. S. Behrends
1633 Golden Gate Ave., Los Angeles 26, Calif.

Sub-Editor, A. B. S. News .. Mrs. Mae Koebig
520 S. Guadalupe Ave., Redondo Beach, Calif.

Sub-Editor, Branch News .. Mrs. Dorris Motschman
9601 Haas Ave., Los Angeles 47, Calif.

Advertising Manager Mrs. Irma Brown
3633 Revere Ave., Los Angeles 39, Calif.

**For DUES, ADDRESS CHANGES, OR
MAGAZINES — write to Membership
Secretary, Box 2544, Los Angeles 54,
California. Branch Members pay dues
to Branch.**

The next Board meeting of the American Begonia Society will be held in the Los Angeles City Hall, Room 1305, 7:30 p.m., January 25, 1954. Use Main St. elevator. Park lower garage, south entrance on Main Street.

* Annual Subscription—Two Dollars Fifty Cents.
* Entered as second-class matter at the Post Office of Los Angeles, California, under the act of March 3rd, 1879.
* Business Office—1633 Golden Gate Ave., Los Angeles 26, Calif.



B. INCARNATA

(This is one of the parents of Begonia "Elodye")

The BEGONIAN

DECEMBER . . . THE JOYFUL MONTH

Now in the wintry skies above
Gleams the Stars celestial light—
May all its promise and its peace
Be yours upon this Holy Night!

Begonia "Elodye"

By Jean Kerlin

In 1951 Louis Schwerdtfeger crossed two *Begonia* species, one fibrous and the other tuberous to produce a sturdy new hybrid. She chose this particular seedling to check through a complete cycle of growth and it withstood her rigorous testing and retained its distinctive appearance and lush blooming quality. The name *Begonia Eloyde*, after Mrs. Schwerdtfeger's daughter, was submitted to the nomenclature committee. The name was accepted and the plant registered in 1952. *Begonia* species *incarnata* (fibrous) and *boliviensis* (tuberous) are the parents of *Begonia Elodye*.

This offspring inherited the finer qualities of its ancestors and surpassed them both with the exquisite color of its flowers. It is versatile too, as it can be used as a wall pocket specimen or a free hanging basket. It can be espalliered with little effort as it is fibrous like *B. incarnata* but has a thickened root stalk. *B. Elodye* is bushy and colorful with red stalk and stem flecked with cream colored short dashes and enlarged red nodes. The petioles are short and are the same red tone as well as the sinus. Even the initial veining from the sinus carries this same brilliant shade.

The leaves are medium green, sparsely hairy, long and tapering to a sharp point. The margins are serrate with edges red rimmed. The underside of the leaf is a lighter shade of green; the veins more pronounced than on the leaf surface. The

entire under leaf is feather veined. The stipules are small and deciduous.

Begonia Elodye is a profuse bloomer with pendant clusters of "salmony red" large male blossoms, four petaled. The two largest petals are long ovals while the two smaller ones are narrower but about the same length. The yellow stamens are pronounced and fan shaped. The flowers are cup shaped as they open as those of *B. boliviensis*. It is a summer bloomer and when the plant rests it sheds its end growth naturally. Few *Begonias* prune themselves as *B. Elodye* does and branch so readily in season. The general growth of this hybrid is similar to that of *Begonia Mme. Fanny Giron*, another *B. boliviensis* hybrid. The chief difference between the plants is the longer leaf and sharper point of *E. Elodye* and the red in the stalk, stems and sinus.

Treat this new addition to your *Begonia* collection as you do any bushy fibrous subject. The regular loose potting mixture and regular feeding program should be followed. The color quotes are those of the hybridizer as listed in her brochure but "salmony orange" fails to do justice to the delicate tint of the flowers.

Begonia Elodye is a prize example of the result when two quality species such as *B. incarnata* and *B. boliviensis* are used to produce hardier and more colorful prize winners.

RECENT BEGONIA VARIETIES REGISTRATIONS

<i>Variety</i>	<i>Parentage and Nature</i>	<i>Year Developed</i>	<i>File No.</i>
Santa Rosa Star	Reichenheimi x Sunderbruchi star rhiz., large	1950	No. 34
Eloise	imperialis x scharffiiana small rhiz.	1950	No. 35
Frances Downing	dayi x scharffiiana compact rhiz.	1950	No. 36
Helen Krauss	dayi x Mazae small Rhiz.	1951	No. 37
John R.	dayi x maddougalli star rhiz.	1951	No. 38
Spaulding	boweri x hydrocotylifolia small rhiz.	1951	No. 39
Marie Reed	Mazae x kellermani erect rhiz.	1951	No. 40
Del Mar	dayi x Mazae compact rhiz.	1951	No. 41
Eloyde	incarnata x boliviensis fibrous, stems dark red	1952	No. 42
Jessie Gale	manicata cristata x kenworthyi crested rhiz.	1952	No. 43
Leora	imperialis x metallica small rhiz.	1952	No. 44
Alice-Mac	imperialis x maddougalli rhiz.	1952	No. 45
Mac-Alice	imperialis x maddougalli star rhiz.	1952	No. 46
<i>Originations of Mrs. Louise Schwerdtfeger 1450 Cantera Ave., Hope Ranch, Santa Barbara, California</i>			
Jose	mutation Joe Hayden erect rhiz.	1950	No. 47
Lightening (Not Lightning)	mutation Joe Hayden erect rhiz.	1950	No. 48
Letty	Lettonica Self rhiz.	1951	No. 49
<i>Originations of Mrs. Dorothy Behrends 1633 Golden Gate Ave., Los Angeles 26, California</i>			
Lady Claire	scharffiiana x luxurians tall to intermed, cane	1945	No. 50
<i>Originated by Mrs. Winona Jensen 9515 Flower St. Bellflower, California</i>			
Winged Angel	seedling Salvador similar to Salvador	1952	No. 51
<i>Originated by Mrs. Susie Zug 307 Gladstone Ave. San Dimas, California</i>			

Skeezar	dayi x liebmanni rhiz.	1946	No. 52
Thilda Fisher	sharstar x Barkeri rhiz.	1946	No. 53
Freddie	manicata v. Aurea x Barkeri rhiz.	1946	No. 54
E. O. Orpet	Mazae x Limmingheiana cane trailer	1948	No. 55
Fred Brown	pinetorium x Mazae (similar to semi-tub. manicata)	1947	No. 56
Joe Hayden	Reichenheimi x Mazae rhiz.	1947	No. 57

*Originations of Rudolf Ziesenhenne
1130 N. Milpas St.
Santa Barbara, California*

Clayton M. Kelly Seed Fund Flight

ALL ABOARD FOR THOSE THAT ARE
GOING ABOARD WITH US FOR OUR
1954 FLIGHT.

We have three different flights scheduled and it is up to each passenger to purchase a ticket for the flight he or she wishes to take. Each ticket is \$2.00 per flight, the ticket is your *membership* for 1954.

Our No. One flight is for beginners who are not used to the travel of seed flight lane, but still want to see the beauty and have the thrill that this flight will give them.

Our No. two flight is for the intermediates who have taken the first flight with us and want to go on to the more difficult lane to travel and test their skill in being able to make this flight a success.

Our No. Three flight is for the ones who have traveled the first two flights and now want to say they are the advanced and seasoned travelers of SEED FLIGHT LANE.

Beginners flight will consist of 15 packets of .25c packets of easy to grow Begonia Seed.

Intermediates flight will consist of 10 packets of .50c packets of the little more difficult to grow Begonia Seed.

Advance growers flight will consist of 5 packets of .75c and \$1.00 packets of the harder to grow, scarce and rarer type of

Begonia Seed.

For those of you who have made your reservations in advance, will you please drop us a card and state the flight you prefer, for others, just state the flight you wish to take with your request to become a flight member.

Please get your requests in as early as possible so we may get the flights started; as it is quite a task to complete these flights and the sooner we can get them started the sooner we can get the seed to you for spring planting.

Please send all requests for seed and memberships for the 1954 flight direct to us and make all checks payable to the Clayton M. Kelly Seed Fund.

For our extra flight this month we have been able to secure the double Rose bud Begonia seed in mixed colors which we are offering for .50c per packet.

We still have some of the fern spores left which were offered in the Sept. issue and a few Philodendron Selloum Seed at the same price per packet.

SEED FUND ADMINISTRATORS

THE MACLANAHANS,
3734 Overland Ave., L.A. 34

Shavings as a Soil Amendment

By Dr. W. C. Drummond

Those of us who have gardened in a semi-arid climate soon learn the advantage of conserving soil moisture by mulching plants, particularly in summer. Those who have gardened in a decomposed granite, loose sandy soils or even heavy adobe or clay soils, know full well the advantage of an organic soil amendment. One of the desirable features of either a mulch or a soil amendment is the water holding capacity. Many agents have been tried and found of value for that function, as peat moss, cow manure, leaf mold, bean straw, grass clippings, partly decomposed garden refuse or even rock placed around plants. All have advantages. Many of these serve the dual purpose of either a mulch or a soil amendment, some have fertilizer value, some have no fertilizer value and some cost money. How many have tried shavings, particularly of redwood, as a mulch or soil amendment?

Some years ago when I first moved to my present location, I was confronted with a decomposed granite soil. Located at the foot of the Hollywood mountains, I found the top soil gone, while a few hundred feet away the soil was black and a good consistency. The main constituent of this soil was loose pea-sized pearly-white granite. It held neither water nor fertilizer. Being a gardener at heart, the idea of shavings as a soil amendment and a mulch came to my mind . . . as here is what I did. I brought in yards of redwood shavings, containing some sawdust, which cost me nothing. Pine shavings probably would have done equally well. I tried them in various ways. First, as a mulch around plants, and second, I placed some in the compost pile. I even placed them on the benches in my greenhouse. Here are the conclusions after five years' trial:

Redwood is very slow to break down. I would not use it on the greenhouse benches as it seems to interfere with drainage. A white mold soon began to grow, but this I found was not disease-producing, although it did create quite an odor, objectionable to some. Ground mealy bugs seemed to be able to travel from pot to pot, yet it did create a very desirable humidity helpful to many plants. That which was placed around plants growing in the garden fulfilled the desired function, that was to hold moisture. It did this at a low price.

As redwood breaks down slowly, if it is to be used as a soil amendment, be sure to see that it is composted for some time before using. As a soil amendment to increase water holding capacity, it worked very well. It should be remembered it has almost no fertilizer value; in fact, the first year the fresh shavings, if used in the soil, act as a soil robber and a commercial fertilizer or cow manure should be added. I found that the bacteria, being unable to digest the shavings, uses up all available fertilizer, leaving the plant to starve. Another thing, without the addition of fertilizer, the fungi are slow to break down the cellulose contained in the wood, for only fungi can do this—not bacteria. Use fertilizer where shavings are used as a soil amendment. It is far better to compost the shavings and then place in the soil. After the shavings are broken down they become a fluffy black material which has good water holding capacity; in time becoming colloidal. Organic colloids are molecular in size too small to be seen by the microscope. I find organic colloids have 30 times the water holding capacity of the mineral colloids, so from that point broken down shavings are supreme. Another advantage is the ability of these colloids to grab and hold the various fertilizer elements, for if it were not for these organic colloids, our fertilizer and water would continue to sink into the soil beyond the range of most plant roots. In time then, broken down shavings act as a great reservoir of nutrition. It should be stated here that garden compost will do the same. Another merit of shavings on a complete breakdown liberates some potash along with a very small amount of calcium and magnesium contained in the wood. There is very little, if any, nitrogen in shavings, this then is the one fertilizer element that should be added. In an arid climate alkalinity is always a problem. When organic matter in the soil is broken down, carbon dioxide is formed. Carbon dioxide unites with the water of the soil to form carbonic acid, thereby helping to counteract alkalinity. One of the first treatments of alkaline soils is drainage and the addition of organic matter. For a long time, especially from Eastern gardeners, has come the complaint that shavings produce an acid soil. Take advantage of this by adding organic matter to your alkaline soil, but give it time to break down.

The advantages of mulching plants are several, there are some disadvantages. Mulching holds moisture and keeps the roots cool. For most plants this is a great advantage, for others, as gardenias or coleus, which must have a warm soil, the value depends much on climate, temperatures and time of year. Where the soil is too cool, gardenia leaves become chlorotic,—yellow; as when the soil temperature goes below 50 F., when the soil becomes continuously cool, around 40 F. or thereabouts, coleus starve and die. But for ferns, begonias and fuchsias a mulch is very desirable as it keeps the soil cool and moist. When organic matter is added to the soil, the soil does not pack so tightly, there is more oxygen admitted to the soil and the plant roots have a freer root run. Organic matter as shavings

helps soil aeration, for without the oxygen in the soil, no plant will grow for long. A soil in proper cultivation contains 20% oxygen. When shavings are applied to acid soils, add fertilizer and calcium as calcium carbonate or ground limestone; in alkaline soils, add gypsum.

In conclusion, use shavings as a mulch for many plants. Remember, if redwood shavings are added direct to the soil without composting, it will take about a year for them to break down, and that fertilizer should be applied with them. In the soil shavings help create acidity. It is felt that the use of shavings as a mulch far outweighs the defects, and that they eventually make a desirable soil amendment when used with intelligence.

WHERE

1. 'may I find information on growing *B. aridicaulis*? M. R. Penna.
2. 'may I find a source of begonias other than tuberous? The only catalogs and lists offered in the *BEGONIAN* are for the tuberous begonias. I would very much like to find White and Pink Pearl wax begonias. J. K. Texas.
3. 'may I find a book, recently written, on tuberous begonias only? M. W. Conn.
4. 'may I find the real name and cultural needs of a begonia commonly called "Busy Lizzie". J. J. H. Wisconsin.

WE FIND

(November)—E. J. H. New Jersey. *Begonia picta* is listed in Logee's new Catalog. (Danielson, Conn.)

M. W. Conn. We do not know of a recently written book on tuberous begonias only. The Worth Brown and George Otten books are excellent, on this subject.

J. K. Texas. The semperflorens begonias you mention may probably be found by sending ten cents to Logee's Greenhouses, 55 North Street, Danielson, Conn., for their catalog. They have produced some excellent semperflorens.

This column is for "Member Participation." Answers or Queries should be addressed to WHERE, c/o American Begonia Society, Box 2544, Los Angeles 54, Calif.

TROPICAL GARDENS NURSERY

1510 W. Carson
Torrance, California

Wishes You A Happy Holiday Season
BEGONIAS A SPECIALTY
We Will Have Your Christmas Tree
10% Discount to A.B.S. Members

PERSONALITIES . . .

It is with pleasure that I announce an article on "Insect Pests and Diseases of the Begonias" contributed by Mr. John Paul Edwards, soon to be published in the *BEGONIAN*.

To introduce to those members of our society who are not acquainted with Mr. Edwards, I have compiled, with the assistance of one of his close friends, Mr. Melville Newfield, a few personal highlights: "John Paul Edwards is well known in the horticultural world and is the author of several horticultural books. He is Past President of the East Bay Branch of the American Begonia Society; the East Bay Rose Society and has served as Director of the American Rose Society. Mr. Edwards is also a consulting Rosarian. He is Past President of the American Fuchsia Society and is now a Director of this Society.

Mr. Edwards is also an internationally known photographer of floriculture. His pictures have been shown with acclaim in Montreal, Buenos Aires, Rio de Janeiro, Paris and Hamburg.

Mr. Edwards is a testing consultant for the California Spray Chemical Company and therefore has a sound and thorough knowledge of insect pests and diseases, and is well qualified to present the latest findings which the research chemists have to offer along these lines.

At present, Mr. Edwards is engaged in writing of these subjects for the *SUNSET* magazine."

RUTHANNE WILLIAMS
Vice-President, A.B.S.

Choicest Rex Begonia Hybrid Seed

\$1.00 per packet

RUDOLF ZIESENHENNE

1130 N. Milpas St. Santa Barbara, Calif.



NOW With Tuberos

EASTERN STATES:

Due to the shortness of the growing season, the seeds are started in December. A 16 x 14 x 2 $\frac{3}{4}$ inch cedar flat is ideal, smaller containers requiring too frequent watering, and producing uneven moisture conditions. By using a good sized flat, "just right" conditions can be maintained for longer periods, which is most important to good germination.

A not-too-fine mixture composed of one-third peat moss, one-third sand and one-third rotted barnyard manure has proved to be an ideal mixture. Sterilize the soil mixture with boiling water. When cool enough to handle, squeeze out excess water, and soil is ready to use. Do not pack the soil down in the flat, but keep it loose. It is wise however, to pack the inch of soil around the edge of the flat firmly, to avoid cracking and drying out of the sides.

Mix the seeds with fine sand and use a pepper shaker to distribute them evenly on the surface of the soil. Soak down with a clothes sprinkler (never water flats by soaking or soil will be too soggy) as shaking aerates the water, and cover with strips of glass about four inches wide. Leave a small crack between the strips for ventilation, which can be adjusted as needed. Do not use a solid sheet of glass because air circulation is most necessary. Germination will be better if a pinch of Fermate is used with the seed; a pinch of it in the water will keep rot away, although too much Fermate may slow the growth.

Temperature for good germination should be about 70 to 75 degrees; after seeds have germinated, remove flat to a place of 60 degrees of temperature. This should take about 10 or 11 days. Seedlings grown under cool conditions are far superior in quality. Seeds do well in heated greenhouses, but also equally well indoors, such as in glass enclosed porches.

SOUTHERN CALIFORNIA:

It is easy to grow these seeds if the grower will observe a few simple rules, the main requisite being not to neglect them or become careless.

Use a clean redwood flat, sprayed with a strong solution of Semesan; the size of the container being regulated by the amount of seed to be grown. Fill lower half with German peat moss as taken from bale; pour boiling distilled water over it and lightly tamp to a level. Sift about a shovel of black, well decomposed Oak leafmold, and bake in a 225 degree oven for one hour. Also sift a shovel of German peat moss, place in a bucket, and pour boiling distilled water over it until saturated. Thoroughly mix the sifted oak leafmold and peat moss together. The moisture in the peat moss will be partly absorbed by the hot leafmold, leaving a mixture that is damp, but not soggy. Place this mixture on top of the rough peat in the flat about $\frac{1}{2}$ inch deep. Lightly tamp and smooth the surface, being careful not to pack. Sow the seed immediately, while soil is warm. After sowing, spray the entire surface with a full strength solution of Semesan. Cover the flat with a sheet of glass, then with a heavy material to exclude the light.

To secure maximum germination, the temperature should be kept at not less than 65 degrees and not more than 69 degrees. Germination should occur within one to two weeks, depending on growing conditions. Then the heavy covering may be removed, and small $\frac{1}{4}$ inch sticks placed under the edge of the glass, to supply the necessary air and light. Do not let direct sunlight touch the plants. In a few days, the glass pane can be removed.

Now it will be necessary to keep a careful and constant check on the moisture conditions. Unless humidity can be controlled, evaporation will be rapid, and if the sur-

face of the soil becomes dry, the tiny plants will be lost.

It will be about two months after sowing the seed before the third leaf appears and the plants will be ready for transplanting.

Note: It is advisable to procure the finest seed available, so may I suggest that you purchase your seed from the reliable dealers who advertise in your BEGONIAN.

—The Editor

Palos Verdes

Begonia Farm

4024 Pacific Coast Hi-way, WALTERIA, Calif.

TUBEROUS BEGONIAS

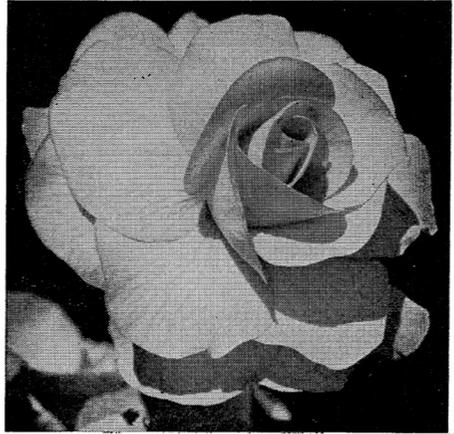
Complete Selections of
BEGONIAS and SHADE PLANTS

Fuchsias — Camellias

Open Every Day

Complete Nursery & Garden Supply Shop

1 1/2 Miles E. of Redondo Beach, Hi-Way 101



The One and Only Pacific Strain of
TUBEROUS BEGONIAS

Originated by Frank Reinelt
The largest assortment and finest new
developments in rose form and ruffled
novelties available this year.

WRITE FOR FREE CATALOG

Vetterle and Reinelt

Dept. "B", Capitola, California

Announcing

A Contest

OPEN TO ALL MEMBERS OF THE AMERICAN BEGONIA SOCIETY

—for—

THE BEST ARTICLES ON YOUR EXPERIENCES IN RAISING BEGONIAS

Contest Begins November 15, 1953

Contest Ends March 31, 1954, Midnight

Articles May Be Written on Any of Three Subjects

CLASS I—PROPAGATION (Seed or Leaf)

CLASS II—CULTURE

CLASS III—BEGONIA VARIETY (One Kind)

C O N T E S T R U L E S

- 1—Each contestant may enter only one (1) article in each Class.
- 2—Entries in Class I shall be limited to 600 words; in Class II to 1,000 words; in Class III to 400 words.
- 3—First, second and third prizes will be awarded in each Class.
- 4—The entries will be judged for neatness and legibility as well as content. The inclusion of illustrations will count as a scoring factor.
- 5—The decision of the judges will be final. No entries will be returned. All entries, contents and ideas therein, become the property of the American Begonia Society.
- 6—Address all entries to:
CONTEST,
c/o The Begonian, Editor
1201 Pier Avenue
Redondo Beach, Calif.



HELIBORE ORIENTALIS HYBRID

—Photo Courtesy Okhurst Gardens

The Christmas Rose

The origin of the Hellebore, as well as the meaning of the name, seems to be lost in antiquity. It belongs to the Ranunculaceae family, being related to the peony, which it resembles. There are about 8 species, natives of Europe and Western Asia, but only about half of these are under cultivation in this country.

Hellebores are coarse perennial herbs with palmately or pedately lobed leaves. The flowers have fine persistent petaloid sepals, within the circle of which are placed the minute honey-containing tubular petals in the form of a horn with an irregular opening; the stamens are numerous, arranged spirally. The colors of the flowers range from white, green, greenish-yellow, thru pink, lavender and purple, depending on the variety. Sometimes they are even marked with dots and lines of purple or red.

H. niger is a winter bloomer, hence the name "Christmas Rose". It is not unusual to see them blooming in the snow, showing the evergreen leaves, crowned with a mass of white blooms, flushed with purple. This specie comes from Europe and does well in rocky places. *H. viridis* is also a European specie, bearing yellowish-green blossoms, very desirable for naturalizing, although being deciduous. Both these varieties are especially adapted for the Eastern and Northern States.

In Southern California and the warmer

climes, *H. orientalis* does especially well, also the less well-known *H. corsica*. The orientalis hybrids are legion, with evergreen foliage and flowers shading from white, thru green, to purple. The flowers remain on the plants for several weeks, and will last indefinitely in flower arrangements. They are also very attractive in corsages. This variety is sometimes called the "Lenten Rose", as it begins blooming during the Lenten season and on into summer, if planted outdoors in these areas. It can be brought into bloom at Christmas, if grown in a greenhouse or indoors. *H. corsica* comes from Corsica, a very distinct species displaying stiff tri-parted leaves on tall stems and yellowish-green clusters of long lasting flowers.

The best means of propagating these very interesting plants seems to be by root division in the fall or spring. Most gardeners prefer to divide them in late summer or early fall, before the flowering season begins. If seeds should mature, they will usually germinate if planted immediately in boxes or rich open ground. Seedlings should flower in their third season.

Hellebores are hardy shade-loving plants, doing well planted under trees, shrubs, in tubs and in beds. The important thing to remember is not to disturb the plants after once established, as they are very sensitive to frequent changes of location.

SLIDE LIBRARY

As previously announced, the Slide Library is in the process of being revised and recatalogued. Two complete sets are now available; one set of Rexes and one of Fibrous. These may be obtained by writing to your Slide Librarian.

We wish to thank the Santa Barbara Branch for their donation of a set of slides to the Library; also our thanks to the Glendale Branch for the gift of \$5.00, which will be used to purchase materials for rebinding more of the slides on hand.

These and other slides will be made available to the Branches as soon as they are ready.

VELDA SCALLEY, *Slide Librarian*

Send in your renewal dues promptly. Make checks payable to the American Begonia Society.

IN ANSWERING

ADVERTISEMENTS

PLEASE MENTION

"THE BEGONIAN"

SPECIAL OFFER FOR NEW MEMBERS

All NEW (first time) members will receive with membership cards:

CULTURAL BULLETIN

Covering Rex, Fibrous & Tuberous Begonias
A packet of easy-to-grow begonia seed
with complete instructions

AND 12 issues of

The Begonian. ALL only \$2.50!

Make MEMBERS of your FRIENDS Today!

Slanted Toward The Beginner

By Dorothy S. Behrends

Some of the miniature begonia introductions have become a challenge to begonia growers, not possessing a glasshouse. This type of begonia was almost 'made to order' for window-sill gardeners.

However, let's face it; they have proved difficult in some instances.

Begonia boweri is a delightful miniature, rhizomatous begonia. We are told it was found by Thomas MacDougall, growing on the banks of streams in Mexico, where it enjoyed moisture, warmth, humidity and the protection of larger plants by close proximity.

For the best results, let us try to duplicate nature's gift to those plants—perfect growing conditions.

First, let us consider the light requirements of these plants. They were found growing in subdued light, therefore, place them in a position *away* from direct sunlight.

Second, the soil is rich in humus matter, containing some lime deposits, perfect drainage, but damp at all times.

Third, the air must be moist (humid), never cold and drafts must be avoided at all times.

Each grower will find a solution to his or her particular problem, to conform to these requirements. Many devices have been conceived, from necessity, to cope with undesirable plant conditions.

Some growers raise beautiful plants by planting *B. boweri* in a fish bowl, keeping a clear glass plate or saucer over the opening at night. This allows a good permeation of moisture to the entire plant.

Other growers have used the 'plastic bell' from war surplus stores, to create greenhouse conditions by inverting the bell over the plant. The potted begonia should be resting on gravel in a tray containing water, if this method is used, so that the beads or condensation of water collecting on the top during the night, will trickle down the sides into the tray rather than be lost or create a nuisance on the floor.

A mild or weak fertilizer is recommended for these plants. *Do not over-feed.*

The hybrids having the species, *Begonia boweri* parentage, are much sturdier plants, than the 'dainty Boweri'.

Begonia Maphil, B. Bow-Nigra, B. Bow-Arriola and B. Spaulding are good examples.

These plants enjoy average plant conditions and are not as demanding as their fastidious parent.

B. Maphil is a chance seedling of *B. boweri* and produces a beautifully patterned leaf of chartreuse-green zones outlined in deep brown markings surrounding the veins and margins, when grown in fairly good light. If grown in subdued light, it loses its individuality.

B. Bow-Nigra is a hybrid between *B. boweri* x *B. b. nigricans* and has a black green surface with a distinctive, bright-green stripe from the sinus to the tip of the leaf.

B. Bow-Arriola is a cross between *B. boweri* and C42, a maverick begonia that has produced more variations than space permits description. This occasioned the begonia to become handsome in its various colored zones. When grown on a shelf in the window garden, above eye level, the magnificent colors may be enjoyed.

B. Spaulding is a hybrid of *B. hydrocotylifolia* x *B. boweri* and is a low, creeping begonia with small, rounded, yellow-green leaves with darkened vein-areas. It prefers good light and makes an excellent house plant, as all the forementioned "Boweri offspring".

All begonias grown in window gardens need the protection from the sun, of a 'glass curtain' during the day, unless a north exposure is used, in most sections. South and West exposures to sunlight can be harmful, but an acceptable protection can always be rigged up to fit the "Window Picture".

COLOR SLIDES FOR GARDEN CLUB PROGRAMS

A new packaged lecture entitled "Tuberous Begonias at Their Best" is now available to garden clubs. It consists of 86 Kodachrome slides with commentary on tape recording (running time: 30 minutes). The slides show various forms of Tuberous Begonias with historical and cultural data, plus shots of flowers which abound in the San Francisco Bay Area. Clubs must provide slide projector, screen, tape recorder, and necessary amplifier. Write to Atlas Fish Emulsion Fertilizer Co., No. 1 Drumm St., San Francisco, California, for available dates.

Begonia Judging Class of 1953

The interest and enthusiasm with which the organization of a class to learn the "Judging of Begonias" was accepted, has made the effort very worthwhile. Many of our members have remarked, "We have needed such a class for a long time."

We had a registered class of twenty-three from Ventura-Santa Barbara and twenty-five to thirty in the Los Angeles class, with some extra members who could not attend, taking the lectures and studying at home. This speaks well for the interest here, but we also have a class in Texas and another in Missouri, besides many members throughout our society who are taking the lessons individually.

There has been one test given in Los Angeles, and there will be one for those who could not attend the first, if they so desire. Also the Ventura-Santa Barbara group

will have a test made available for them when convenient.

Not all who have attended the classes wish to become judges. Some have stated, "We just wish to learn more about shows and how to exhibit our plants."

The judges of past years, when asked to give a lecture for the course, were more than willing to cooperate and have been most generous with advice and suggestions. I wish to express my deep appreciation to those teachers for their wonderful cooperation on this project. I will always be grateful to them for what I have learned during this course of study.

The lessons, as given, have been excellent lectures and are available on tapes, if wanted for study by other groups. Below are listed the lectures used in this class.

EDNA L. KORTS, *Chairman*

Lesson One

THE FUNDAMENTALS OF FLOWER SHOW MANAGEMENT—By Mrs. Jessie Gale.

This lesson teaches how to set up a show and the essential working committees.

Lesson Two

JUDGING SHOWS BY POINT SCORING—By Mr. Rudolf Ziesenhenné.

An excellent lecture explaining the fine points of scoring Begonias.

Lesson Three

THE SHOW IS THE THING—My Mrs. Maria Wilkes.

This lecture teaches how best to grow, groom and exhibit your plants; also tips on transporting them to the show without damage.

Lesson Four

JUDGING BEGONIAS—By Mrs. Marie Turner.

Lecture with illustrative drawings and points on what a judge should, and should not, do.

Lesson Five

TROPICAL PLANTS FOR SHOWS—By Mr. Ladislaus Cutak.

Discusses many interesting varieties of tropical plants and how they should be exhibited.

Lesson Six

PLANNING, ARRANGING and JUDGING A GARDEN EXHIBIT—By Mr. Stanley Spaulding.

Very good lecture for the Branches, to help them with their show exhibits.

In Memoriam

Southern California Horticulture and gardening suffered a great loss in the recent unexpected deaths of "Jerry" Mathewson of the Campbell Seed Company, and Dr. "Bill" Jonson of DestruXol Corporation. Both were generous in sharing their great knowledge, and the Pasadena Branch will especially miss their help in their projects. Also they were both long-time advertisers in THE BEGONIAN. We extend our sympathy to the bereaved families.

ALVA GRAHAM

Dr. Clark H. Lauder, beloved member of the San Gabriel Valley Branch, died at his residence in Monrovia, California, in September, 1953, after a short illness.

He was a charter member and founder of the San Gabriel Valley Branch, serving as its President in 1948. For many years he had been a practicing physician in Arcadia.

He was best known and will be remembered for his great love and hobby of growing begonias and other shade plants.

BRANCH NEWS

NEWS AND NOTES OF 1953 FROM NEW ENGLAND

During the year 1953, eight meetings of the New England Branch have been held, three in Horticultural Hall, Boston and five at the homes of members. At the close of the year there are ninety three members from the six New England States, and one from New York who spends her summers here.

The season opened with a winter meeting February 14th at Horticultural Hall. Three members gave talks on their "Favorite Five Begonias." Mrs. Percy I. Merry displayed five Merry hybrids from a cross of *B. Boweri* and *B. Sunderbruchi*.

On April 11, again at Horticultural Hall, Mrs. Bessie R. Buxton and Mrs. Catherine Sheehan gave reports of their interesting trip to the national convention in 1952, Mrs. Sheehan showing many colored slides from a collection of over four hundred taken during the visit to California.

May 16th marked the first of the outdoor meetings held at the home of Mr. and Mrs. Percy I. Merry in Needham, Mass.; members first visiting the greenhouse of Mr. and Mrs. Vincent I. Mason in Newtonville to see their collection of cacti. At this meeting Mrs. Buxton presented the society with a lovely silver vase to be awarded for the best "house grown" begonia displayed at the fall show. Mr. William J. Jennings, of the botany department of Wellesley College, told of his methods in greenhouse growing as practiced at Wellesley. Also at this meeting the Merry's hybrid of *B. Boweri* and *B. Sunderbruchi*, judged of greatest merit, was formally given the name *Beatrice Haddrell* in memory of a well-loved member.

June found the group in Rhode Island at the beautiful hill-top home of Mrs. Max C. Miller in Cumberland. Mrs. Lucien B. Taylor of Dover, Massachusetts, well known author and lecturer, gave a most instructive talk on "How Plants Grow."

In July the Branch met with Mrs. Frederick Kingsbury of Brookline, Mass. again admiring her lovely and unusual garden and

her well kept greenhouse. Mrs. Percy I. Merry and Mrs. E. W. Hutton were the speakers of the day, discussing hairy and rhizomatous groups of begonias.

In August the meeting was held in New Hampshire with Mr. and Mrs. Lewis J. Brown of Londonderry as hosts. Mrs. Brown gave a talk on "Geraniums", illustrated with plants from her own collection.

Sunday, September 13th, was the highlight of the 1953 season, the day of the New England Begonia Show held at Greenlaw Gardens in Concord, Mass., the home of Mr. and Mrs. George Greenlaw. This was the first independent Begonia Show conducted by the Branch in many years, and as previously reported, was a most successful venture.

The annual meeting of the New England Branch was again held in Horticultural Hall, October 24, 1953. A pot-luck luncheon with arrangements by Mrs. Frederick Kingsbury, was thoroughly enjoyed. Members brought their best colored slides which were shown by Mr. Percy I. Merry and explained by their owners. Annual reports given by the officers and committee members showed the year 1953 had been busy, interesting, and profitable.

Officers for 1954 were elected as follows: President, Mrs. Percy I. Merry; Vice-president, Mrs. Frederick Kingsbury; Secretary, Mrs. Lester H. Fox; Treasurer, Mr. William C. Atherton; and Program Chairman, Mrs. George W. Greenlaw.

MRS. LESTER H. FOX, *Secretary*

CENTRAL FLORIDA BRANCH 1953 OFFICERS

Due to the fact that our organization was not affiliated with the American Begonia Society at the time that our officers were elected at the annual meeting in March, I would like to present our officers for 1953:

President — Mr. Wm. H. Henningsen

Vice-President — Mrs. P. Bekemeyer

Secretary — Mrs. James W. Merry

Treasurer — Mr. Theodore H. Wolf

MRS. JAMES W. MERRY, *Secretary*

*GLENDALE BRANCH sends Season's Greetings and urges you to pay
A visit with them on each fourth Wednesday,
They study Begonias and other shade plants too
Sending their BULLETIN to members like you,
(IF you are an Affiliate Member, we hasten to say)
Which is fifty cents additional to the regular
dues, you pay.*



WILLIAM PENN BRANCH

On September 22nd, the William Penn Branch reached the high point of its year in its long planned, much modified "Party", at Mrs. George Earl DeCoursey's farm in Paoli, Pa. The guests, some 68, included almost the complete membership of the nearby Branches (Margaret C. Gruenbaum, Philobegonia, Elsa Fort), representatives from the Pennsylvania Horticultural Society, notables of the horticultural world, and just plain Begonia lovers from New Jersey, Massachusetts, Connecticut, as well as Pennsylvania. They admired the well grown specimens on display, enjoyed lunch in the autumn sunshine, and bought eagerly from the "Bargain Table" as well as from the choice plants brought in by Mr. and Mrs. Ernest Martin from the North Street Greenhouses in Danielson, Conn.

Mr. Martin spoke informally on the fundamentals of Begonia culture and answered

many questions. The number of guests and their enthusiasm revealed unsuspected widespread interest in Begonias, and raised hopes for new members for the A.B.S. The William Penn Branch hereby thanks those who brought plants for the "Bargain Table" helping to make this function such a success.

MAY T. DREW, *Repr. Director.*

NEW OFFICERS FOR MARGARET C. GRUENBAUM BRANCH

The Margaret C. Gruenbaum Branch held its annual meeting and Fourteenth Birthday Party in October when the following officers were elected:

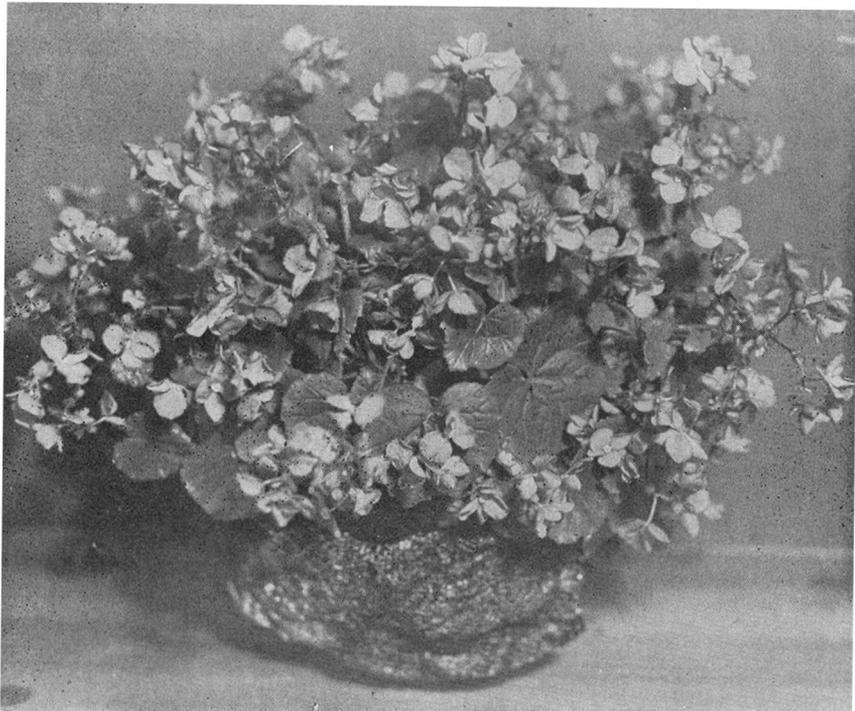
President — Mrs. Henry Schafer
Vice-Pres. & Rep.—Mrs. Thomas J. Kilderry
Secretary — Mrs. W. Ernest Jones
Treasurer—Mrs. J. L. Lehnen
Corr. Secretary — Mrs. Frank H. Mather

INGLEWOOD BRANCH WISHES YOU A MERRY CHRISTMAS AND A HAPPY NEW YEAR

Join us in celebration at our annual Christmas meeting featuring Ruth Allen
on Christmas Decorations.

325 NORTH HILLCREST, INGLEWOOD, CALIF.

CHRISTMAS BEGONIA . . . *B. cheimantha hybrid*



—Bill Bayer Photo

Library Notes

Since offering the back issues of the Begonian (through 1951) for sale at ten cents a copy, I have received many inquiries as to the months and years available. I am taking this opportunity of letting everyone know the issues that are on hand at the present time. 1939—February, March, April, May, August and December; 1940—March, May, June, July and December; 1941—April, May, June, August, September, October and December; 1942—January, February, March, May, June, July August, September and December; 1943—All but January; 1944—All but January, February and April; 1945—All but September; 1946—All but January, June and July; 1947—4 complete sets, the rest have February, March, April and June missing; 1948—All but March, April, May and June; 1949, 1950 and

1951 complete. There are just a few copies of some issues so order early to be sure of the ones you want.

We still have winter weather ahead when it will be impossible to work in the garden, that is the time when you would enjoy reading one of the many interesting books from the Library. It only takes a minute to drop me a postcard and I would be glad to supply the books you want. Don't forget that we have books for sale too, and they make grand Christmas gifts. My offer of last month is still good, I will gladly gift-wrap your order and forward it with a card. Wishing you all a very MERRY CHRISTMAS and the happiest of NEW YEARS.

ARLINE STODDARD, *Librarian*

LIBRARY BOOK LIST

The following books are available for loan. Any member of the American Begonia Society may borrow the books for a thirty-day period. The only charge is the postage to and from the *Library, 522 So. Guadalupe Ave., Redondo Beach, Calif.*

A TO Z ON FUCHSIAS—PUBLICATION OF CALIFORNIA FUCHSIA SOCIETY
Anderson, A. W.—THE COMING OF THE FLOWERS

Anderson, Edgar—PLANTS, MAN AND LIFE

Anderson, Edgar — INTROGRESSIVE HYBRIDIZATION

Arnell, Reginald—GREEN FINGERS

Art & Tompkins—BACTERIOSIS OF TUBEROUS BEGONIAS (pamphlet)
AZALEA HANDBOOK

Bailey, L. H.—BOTANY

Blasdale, Walter—CYCLAMEN PERSICUM
Briscoe, T. W.—ORCHIDS FOR AMATEURS

Brown, Worth—TUBEROUS BEGONIAS
Burrroughs, Laura Lee — FLOWER ARRANGING, VOL. I & II (Coca-Cola Pub.)

Butterfield, H. M.—HINTS ON GROWING BEGONIAS

Butterfield, H. M.—GROWING BEGONIAS IN CALIFORNIA

Buxton, Bessie—BEGONIA GLOSSARY

Buxton, Bessie—BEGONIAS, AND HOW TO GROW THEM

Birdsey, M. R.—CULTIVATED AROIDS

CACTUS DIGEST — 1949, 1950, 1951, 1952

CACTUS & SUCCULENT JOURNAL — 1950, 1951

CALIFORNIA GARDEN — 1949, 1950, 1951, 1952

CAMELLIA RESEARCH (Camellia Society Pub.)

CAMELLIAS ILLUSTRATED (Camellia Society Pub.)

CAMELLIAS NOMENCLATURE (Camellia Society Pub.)

Chabot, Ernest — GREENHOUSE GARDENING FOR EVERYONE

Chabot, Ernest—HOW TO GROW RARE GREENHOUSE PLANTS

Chevalier, Charles—LES BEGONIAS (Both original French edition and translation)

Clute, Willard—OUR FERNS IN THEIR HAUNTS

Contributions from the Gray Herbarium — STUDIES IN THE BEGONIACEAE

Copeland, Edwin — GENERAL FILICUM (Ferns)

Cross, J. E.—BOOK OF GERANIUMS
CURTIS BOTANICAL MAGAZINE

Davis, Reg—PHILLIPPINE ORCHIDS

Drummond, Mary H.—STYLING COR-SAGES WITH GARDEN FLOWERS

Dyckman, H. P.—FIBROUS BEGONIAS (Bulletin No. 11)

- Everett, T. H.—BEGONIAS
 Fotsch, Karl—DIE BEGONIEN (German and English)
 Free, Montague—ALL ABOUT AFRICAN VIOLETS
 Free, Montague—ALL ABOUT HOUSE PLANTS
 Gardner, D. A.—WEST AUSTRALIAN WILD FLOWERS
 GARDENING ILLUSTRATED, 1950, 1951, 1952
 Gause and Bissell—BEGONIAS - CATALOGUE OF FLOWERS
 Gillespie, Norvell—HOW TO GROW TUBEROUS BEGONIAS
 Gillespie, Norvell—PACIFIC COAST GARDENING GUIDE
 Gram & Weber—PLANT DISEASES
 Gray, Eva K.—BEGONIAS
 Health, F. G.—THE FERN WORLD
 Hazelton—EPIPHYLLUM HANDBOOK
 Hemsley, Alfred—THE BOOK OF FERN CULTURE
 Hixon, Rose C.—HISTORY OF THE A.B.S.—1932 to 1948, 1949, 1950.
 Hottes, Alfred—HOW TO INCREASE PLANTS
 Houghton, A. D.—BEGONIACEAE OF ISLAND OF CUBA
 Houghton, A. D.—BEGONIAS OF NORTH AMERICA
 INDEX KEWENSIS
 INTERNATIONAL CODE OF BOTANICAL NOMENCLATURE
 Irmischer — SYSTEMATISCHE STUDIEN UBER BEGONIACEIN DES TROPISCHEN SUDAMERIKERS BISCONDERS BRASILIENS
 Jackson, B. D.—A GLOSSARY OF BOTANIC TERMS
 Jenkins & Wilson—ENJOY YOUR HOUSE PLANTS
 Jones and Clark—INDOOR PLANTS and GARDENS
 JOURNAL OF THE NEW YORK BOTANICAL GARDEN, 1947, 1948, 1949, 1950
 JOURNAL OF THE ROYAL HORTICULTURAL SOCIETY, 1950, 1951, 1952
 Kains & McQuesten—PROPAGATION OF PLANTS
 Kellogg, Chas.—OUR GARDEN SOILS KEWENSIS NEGATIVES
 Krauss, Helen—BEGONIAS FOR AMERICAN HOMES & GARDENS
 Kobayashi, Norie—BONSAI
 Langdon, Allan—TUBEROUS BEGONIAS
 Lanjouw, J.—BOTANICAL NOMENCLATURE AND TAXONOMY
 Laurie, Alex & Kiplinger—SOILS AND FERTILIZERS
 Lawrence, W. J. C.—PRACTICAL PLANT BREEDING
 Logan and Cosper—ORCHIDS ARE EASY TO GROW
 Longmire, A. A.—SECRETS OF SUCCESSFUL PROPAGATION
 Lowe, J.—BEAUTIFUL LEAVED PLANTS
 Lowe, J.—FERNS, BRITISH AND EXOTIC VOL. I, II, III, IV, V, VI, VII, VIII
 Maatsch, Richard — ZIERPFLANZENSAU (Written in German)
 Mackwood—GARDENS IN THE SHADE
 Macself, A. J.—FERNS FOR GARDEN & GREENHOUSE
 Saxon, William—FERNS AS A HOBBY
 Merrill, E. D.—THE PHILIPPINE SPECIES OF BEGONIA
 Middleton, John—STEM ROT OF TUBEROUS BEGONIAS (Bulletin)
 Middleton, John—PYTHIUM DISEASE OF FIBROUS BEGONIAS (Bulletin)
 MISSOURI BOTANICAL GARDEN BULLETIN—1947, 1949, 1950
 Morse, H. K.—GARDENING IN THE SHADE
 McCulloch, Lucia — BACTERIAL LEAF SPOT OF BEGONIA (Bulletin)
 NATIONAL HORTICULTURAL MAGAZINE—1949, 1950, 1951 and 1952
 Naumberg, Sophia—HOUSE PLANTS IN EVERY WINDOW
 Nehrling, Dr. Henry—MY GARDEN IN FLORIDA—VOL. I and II
 NEW YORK BOTANICAL GARDENS, LIST OF REFERENCES
 Nicholson, George—ILLUSTRATED DICTIONARY OF GARDENING—VOL. I, II, III, IV, V
 NOTES FROM ROYAL BOTANIC GARDEN
 ORGANIC GARDENING—1949
 Odom, M. M.—HANDBOOK FOR AFRICAN VIOLET GROWERS
 O'Brien, James—ORCHIDS
 PLANTS AND GARDENS—1949, 1950
 PLANT LIFE—1949, 1950, 1951, 1952
 Preston, F. G.—THE GREENHOUSE
 Putman, L. L.—CARE AND CULTURE OF AFRICAN VIOLETS
 Reusch and Noble—CORSAGE CRAFT
 Rector, Carolyn—HOW TO GROW AFRICAN VIOLETS
 Rockwell, F. F.—10,000 GARDEN QUESTIONS ANSWERED
 Rodale, J. I.—COMPOST AND HOW TO MAKE IT
 Schultz, Peggy—GLOXINIAS AND HOW TO GROW THEM
 Smith and Schubert—BEGONIACEAE OF CUBA
 Smith and Schubert—THE BEGONIACEAE OF COLOMBIA
 CONTRIBUTIONS FROM GRAY HERBARIUM (Plantae Mexicanae)

CONTRIBUTIONS FROM GRAY HERBARIUM (Beg. of Sesse and Mocine)
Solly, Cecil—HOW TO GROW TUBEROUS BEGONIAS

Standley, Paul — FIELD MUSEUM OF NATURAL HISTORY (Flora of Costa Rica)
SUNSET'S COMPLETE GARDEN BOOK
SUNSET'S IDEAS FOR BUILDING PLANT SHELTERS AND WORK CENTERS

Teske, Annie—GARDEN SONGS (Poetry)
THE HOME GARDEN (Bound copies—Jan. thru June, 1950)
THE TULIP HANDBOOK (Pub. of Tulip Society)

Syckman — TUBEROUS BEGONIAS (Bulletin No. 1)

U. S. Dept. of Agric—INSECTS

Watkins, John — A.B.C. OF ORCHID GROWING

Wherry, Edgar—GUIDE TO EASTERN FERNS

Wilson, Helen Van Pelt—THE AFRICAN VIOLET

Wood, W. P.—A FUSCHIA SURVEY

Woodward, Carol—HARDY FERNS AND THEIR CULTURE

Woolman, John—EXHIBITION BEGONIAS

Wyman, Donald — ARBORETUMS AND BOTANICAL GARDENS OF NORTH AMERICA

YOUR FIRST ORCHID (Pub. of Orchid Society)
500 COMMON GARDEN MISTAKES CORRECTED.

Also Bound Copies of THE BEGONIAN from 1938 to 1952 are available.

LES BEGONIAS TRANSLATION

It is with great pleasure that I am able to announce to those interested members who truly love their begonias that the translation, by Mrs. Alva Graham, of the Pasadena Branch, of *LES BEGONIAS*, by Chas. Chevalier, has been completed, bound for circulation and added to your Library for your use. This valuable monograph on the propagation, culture and background of many of our well known species (and their hybrids) which are grown in Europe, has been a proud possession of this Society for many years but not until Mrs. Graham undertook to translate it from the original Belgique-French has it been possible to make it available for practical use of the members. We owe a deep debt of gratitude to this interested member for making this fine work understandable to us. Add this to your Library list for future reference.

GLADYS C. NOLAN

TIP FOR GUEST SPEAKERS

While visiting the Whittier Branch the other night, the closing remarks of the speaker, Mr. F. Barrows, Superintendent of Parks in Whittier, struck our fancy. He stated, "I have found during my many years of speaking, that the mind can only absorb what the seat can endure."

CHRISTMAS

CARD IDEA . . .



Mr. & Mrs. P. J. Miller

Antonelli Brothers

**BEGONIA
GARDENS**

WRITE FOR CATALOG

Santa Cruz, California
Capitola Road

CONDENSED MINUTES

Meeting of the National Board held October 26, 1953, was called to order by President Motschman at 7:30 p.m. in the Los Angeles City Hall. All present were welcomed and guests introduced.

Pledge of Allegiance was led by Past-President Korts; Aims and Purposes were read by President-Elect Koebig.

Minutes of the previous meeting were read and approved as corrected. Letter of resignation from Howard Small as Parliamentarian read.

Treasurer Richardson reported an October working balance of \$269.96.

Membership Secretary Behrends reported 93 renewing members, 76 new members since September.

Advertising Manager Brown reported an income of \$82.95 during the past month; a balance of \$99.50 due on the ledger.

Editor Margaret Fenn presented a resume of the reorganization of the BEGONIAN staff. For October she reported several new articles and a CONTEST for the best article sent in for the BEGONIAN. Also requested that everyone send in articles and/or photographs as the BEGONIAN IS ALWAYS IN NEED OF NEW MATERIAL. President added his request for more photographs.

Past-President Korts thanked the board for the lovely gift she received as outgoing President. As Business Manager, she explained the printing bill of \$90.00 for brown mailing envelopes and \$30.00 for advertising contracts.

Past-President Korts, as Chairman of the Judging Class, thanked all who had helped with the class. The certificates will be returned by mail and a new date set for those desiring to take the examination.

As Chairman of the Robinson Memorial Awards Committee. Mrs. Korts reported that research is being continued for eligible Begonias. The committee made the following nominations for approval by the Board:

- 1942: Orange Rubra by Leslie Woodriff
- 1945: Silver Star by Elsie Frey
- 1946: Freddie by Rudolf Ziesenhenn

Articles on these Begonias will be published in the BEGONIAN following approval by the Board. Moved by Behrends, seconded by Schwerdtfeger, that Leslie Woodriff be awarded Robinson Memorial Medal for Orange Rubra. Carried. Moved by Koebig, seconded by Richardson, that Elsie Frey be awarded Robinson Medal for Silver Star. Carried. Moved by Korts, seconded by Terrell that Robinson Medal be awarded to Rudolf Ziesenhenn for Freddie. Carried.

President asked that awards committee bring rules and regulations for cultural certificates of award up-to-date.

Vice-President Schwerdtfeger reported a pleasant visit to the Sacramento Branch as guest speaker.

Moved by Korts, seconded by Koebig, that a letter of condolence be sent to the family of Mr. Jonson, expressing our sympathy in his recent passing.

Librarian Arline Stoddard reported that Les Begonias by Chevalier has been turned in to the Library. Mimeographed lists of the library books are now available to the Branches.

Seed Fund Administrator MacLanahan reported a net gain of \$37.81. Total given to Treasurer.

Slide Librarian Velda Scalley announced one set of Rex and one of Fibrous ready for use.

Public Relations Director Moore stated that it is regrettable that branch meeting date notices are not sent to the Sub-editor in time for the Editor to receive them for the BEGONIAN. He also gave reports for the Foothill, Missouri, Long Beach, Grays Harbor and North Long Beach Branches.

Flower Show Chairman Reynolds asked that requests for Certificates of Award be forwarded direct to her.

Research Chairman Schultz suggested a question and answer column in the BEGONIAN asking that the Eastern members send in answers to the questions asked by people in the East. Also asked for suggestions on research to be done.

Moved by Korts, seconded by Koebig, that reports be accepted and filed as given. Carried.

President Motschman appointed Roy Joyce as Parliamentarian, Frank Moore as Custodian of Documents and President-Elect Koebig as Convention Manager. Moved and seconded that these appointments be approved. Carried.

OLD BUSINESS:
President Motschman requested Stuart Smith to turn over Ways and Means Committee books to Frank Moore for audit.

President Motschman appointed Fred Browne as Chairman of the committee of three, two of his choice, to investigate and make recommendations on lending material to the State and County Arboretum.

President-Elect Koebig gave final report on recent Convention; showing a net profit of \$397.69.

NEW BUSINESS:
Moved by Moore, seconded by Korts, that Bonds be written in the amount of \$2,000.00 at a premium of \$5.00 each, for chairmen handling money. Carried.

President thanked Santa Barbara Branch for gift of slides. Renewed request for Branch BEGONIAN Reporters and Branch Advertising Managers to be appointed in all Branches.

Meeting adjourned 9:55 p.m.

Respectfully submitted,
DAISY WALKER, Secretary.

Make all checks payable to the American Begonia Society.

MEMBERSHIP CAMPAIGN

Added incentive to you for bringing in new members is the Seed Offer. Your choice of any seed, as published in the last three issues of the BEGONIAN, for each new member you sponsor.

LET'S GO, Seed growing enthusiasts!

Begonias, Fuchsias, Tropicals
House Plants

The Best of Everything for Your Garden

FIFTH AVE. NURSERY
AND GREENHOUSE

2510 W. Manchester, Inglewood, Calif.
Don and Ron Stanley Ph.: PLeasant 1-0874

FOR SALE

Prize-winning garden equipped with glass, latin and cloth houses, electric cables, enclosed patio, block wall and workshop; includes mature camellias, fuchsias, begonias and ferns, plus 60 new rose bushes. Lovely two bedroom and den home, partly furnished, completely redecorated, new roof, hdw. floors, louvered windows and unit heat. Central location. Priced right, terms. Ideal for garden hobbyist.

3460 Atwater Ave., L. A. 39, OL. 3059

"THE BEGONIAN"

ADVERTISING RATES

	Per Month	Year Contract
One Inch	\$ 4.00	\$ 3.50
Quarter Page	15.00	13.50
Half Page	28.00	26.00
One Page	40.00	35.00

BRANCH MEETING DATES AND PLACES

(Visitors always welcome at these meetings.)

CENTRAL FLORIDA BRANCH

1st Friday, Dec. 4, 8:00 p.m.
Lounge, Florida Power Co.
Winter Park, Fla.
Mrs. James W. Merry, Secy.
1581 Grove Terrace, Winter Park, Fla.

DALLAS COUNTY BRANCH, TEXAS

1st Thursday, Dec. 3, Jan. 7, 7:00 p.m.
Member's Residences
Mrs. W. H. Buntin, Cor. Secy.
3113 Parker Dr., Dallas, Texas

EAST BAY BRANCH

2nd Thursday, Dec. 10, 7:45 p.m.
Willard School, Telegraph at Ward
Berkeley
Miss Dorothy Osburn, Secy.
5015 Cochrane Ave., Oakland 11, Calif.

EL MONTE COMMUNITY BRANCH

3rd Thursday, Dec. 17
Wilmar Woman's Clubhouse
Emerson west of Isabel
South San Gabriel
Jean Cross, Cor. Secy.
1304 Elm, Alhambra, Calif.

FOOTHILL BRANCH

3rd Thursday, Dec. 17, 8:00 p.m.
La Verne Recreation Hall
Mrs. C. W. Hall, Cor. Secy.
358 E. Arrow Hwy., Upland

FORT ELSA BRANCH

1st Saturday, Dec. 5, Jan. 2, 2:30 p.m.
Miss Lola Price, Secy.
628 Beech Ave., Laurel Springs, N. J.

GLENDALE BRANCH

2nd Tuesday, Dec. 8, 8:00 p.m.
Tuesday Afternoon Club, 400 N. Central
Mrs. Mabel Anderson, Cor. Secy.
1064 Davis Ave., Glendale 1, Calif.

GRAY, EVA KENWORTHY BRANCH

3rd Monday, Dec. 21, 7:30 p.m.
Community House, La Jolla
Tillie Genter, Cor. Secy.
7356 Eads St., La Jolla, Calif.

GRAYS HARBOR BRANCH

2nd Monday, Dec. 14, 8:00 p.m.
Hoquiam Pub. Library, or Messingale &
Rosenear Music Store, Aberdeen, Wash.
Mrs. Jessie B. Hoyt, Secy.
1013 Harding Road, Aberdeen, Wash.

GRUENBAUM, MARGARET BRANCH

4th Tuesday, Dec. 22, 10:30 a.m.
Home of Members
Box Lunch 12:30, Program following
Mrs. Ernest Jones, Secy.
R.F.D., Willow Grove, Pa.

HOLLYWOOD BRANCH

3rd Wednesday, Dec. 16, 7:30 p.m.
Plummer Park, 7377 Santa Monica Blvd.
Mrs. Maude A. Cooper, Cor. Secy.
1014 Havenhurst Dr., Hollywood 46, Calif.

HOUSTON TEXAS BRANCH

2nd Friday, Dec. 11, 10:00 a.m.
Garden Center, Herman Park
Mrs. E. H. Claggett, Secy.
4415 Austin, Houston, Tex.

HUB CITY BRANCH

COMPTON-LYNWOOD

3rd Wednesday, Dec. 16, 7:30 p.m.
Roosevelt High School Cafe
1200 E. Olive, Compton, Calif.
Mrs. Kathryn Hodgson, Cor. Sec'y.
120 E. Olive St., Compton

HUMBOLDT COUNTY BRANCH

2nd Monday, Dec. 14, 8:00 p.m.
Los Amigos Club, Loleta, Calif.
Miss Margaret Smith, Secy.
P. O. Box 635, Ferndale, Calif.

INGLEWOOD BRANCH

2nd Thursday, Dec. 10, 8:00 p.m.
325 N. Hillcrest, Inglewood, Calif.
Mrs. Velda Scalley, Secy.
1415 W. 104th St., Los Angeles 47, Calif.

LA MESA BRANCH

2nd Monday, Dec. 14, 7:30 p.m.
Porter Park, University & La Mesa Blvd.
Peggy Owens, Secy.
4275 Nabal Dr., La Mesa, Calif.

LONG BEACH PARENT CHAPTER

2nd Tuesday, Dec. 8, 7:30 p.m.
Fox Home at 2255 Elm Ave.
Mrs. W. Cox, Secy.
3592 Lewis Ave., Long Beach 7, Calif.

LOUISIANA CAPITAL BRANCH

Baton Rouge, La.

MIAMI FLORIDA BRANCH

4th Tuesday, Dec. 22, 8:00 p.m.
Simpson Memorial Garden Center
Miss Elizabeth S. Hall, Secy.
3340 S.W. 24th Terrace, Miami, Fla.

MISSOURI BRANCH

3rd Tuesday, Dec. 15, 1:00 p.m.
American Legion Bldg., Linwood & Paseo
Kansas City, Mo.
Mrs. Mary Wood, Secy.
626 W. Charles, Independence, Mo.

NEW ENGLAND BRANCH

Mrs. Lester H. Fox, Secy.
170 Marsh Hill Road, Dracut, Mass.

NORTH LONG BEACH BRANCH

2nd Monday, Dec. 14, 7:30 p.m.
Houghton Park Club House
Harding & Atlantic, N. Long Beach
Mrs. Beatrice White, Secy.
1411 Poppy St., Long Beach, Calif.

OCEAN COUNTY NEW JERSEY BR.

1st Monday, Dec. 7, Jan. 4, 12:30 p.m.
Members Homes
Mrs. Helen Ravasy, President
Cedar and Summit Aves., Island Heights, N. J.

ORANGE COUNTY BRANCH

1st Thursday, Dec. 3, Jan. 7, 7:30 p.m.
Farm Bureau Hall, 353 S. Main St., Orange
Mrs. Evie Darden, Secy.-Treas.
6701 S. Fee Ana St., Rt. 3, Anaheim, Calif.

PASADENA BRANCH

3rd Monday, Dec. 21, 7:30 p.m.
Casitas del Arroyo, 117 S. Arroyo, Pasadena
Mrs. Alva Graham, Secy.
515 El Centro St., South Pasadena

PHILOBEGONIA BRANCH

2nd Friday, Dec. 11, Members Homes
Mrs. Robert York, Secy.
3311 Fremont St., Camden, N. J.

PORTLAND OREGON BRANCH

4th Friday, Dec. 25, 8:00 p.m.
Journal Bldg. Aud., Front & Yamhill Sts.
Ronnie Hiersch, Secy.
6831 S. E. Flavel, Portland 6, Oregon

RAYTOWN MISSOURI BRANCH

4th Tuesday, Dec. 22, 7:30 p.m.
Homes of Members
Mrs. Mildred Schorr, Secy.-Treas.
7708 Sni-A-Bar Terrace, Kansas City, Mo.

REDONDO BEACH AREA

4th Saturday, Dec. 26, 8:00 p.m.
2308 Rockefeller, Redondo Beach, Calif.
Mr. Joe Taylor, Secy.
301 Anita St., Redondo Beach, Calif.

RIVERSIDE BRANCH

2nd Wednesday, Dec. 9, 7:30 p.m.
Shamel Park, 3650 Arlington, Riverside, Calif.
Mrs. Kay Elmore, Secy.
3935 McKenzie St., Arlington, Calif.

ROBINSON, ALFRED D. BRANCH

4th Friday, Dec. 25, 10:00 a.m.
Homes of Members
Mrs. L. Carringer, Secy.
825 Harbor View Pl., San Diego 3

SACRAMENTO BRANCH

3rd Tuesday, Dec. 15, 8:00 p.m.
Herbert R. Fitch, Secy.
1125 - 54th St., Sacramento 19, Calif.

SALEM OREGON BRANCH

1st Tuesday, Dec. 1, Jan. 5,
The Chapel, 685 Winter St., Salem
Mrs. Loren H. Edlund
863 Edina Lane, Salem, Ore.

SAN DIEGO BRANCH

4th Monday, Dec. 28
Hard of Hearing Hall, Herbert & University
Mrs. Alice Shetler, Secy.
4551 Kensington Dr., San Diego 16, Calif.

SAN FRANCISCO BRANCH

1st Wednesday, Dec. 2, Jan. 6, 8:00 p.m.
1738 - 9th Ave.
San Francisco, Calif.
Mrs. George Leslie Kuthe, Secy.
1095 Market St., San Francisco 3, Calif.

SAN GABRIEL VALLEY BRANCH

4th Wednesday, Dec. 23
Masonic Temple, 506 S. Santa Anita Ave.
Arcadia, Calif.
Mrs. Gonda Hartwell, Secy.
1719 Alamosa Ave., Monrovia, Calif.

SANTA BARBARA BRANCH

2nd Thursday, Dec. 10, 7:30 p.m.
Girl Scout Clubhouse, 1838 San Andres St.
Mrs. Rolland J. Brines, Secy.
440 Via Dichosa., Santa Barbara, Calif.

SANTA CRUZ COUNTY BRANCH

1st Tuesday, Dec. 1, Jan. 5, 8:00 p.m.
V.F.W. Hall, 311 Pacific Ave.
Miss Hazelle E. Oxley, Secy.
428 Davis St., Santa Cruz, Calif.

SANTA MONICA BAY BRANCH

3rd Wednesday, Dec. 16, 7:30 p.m.
1130 Lincoln Blvd., 7th St. Entrance
Santa Monica
Mrs. Eduard Franz
153 So. Burlingame Road. Los Angeles 49

SEATTLE BRANCH

3rd Tuesday, Dec. 15, 7:45 p.m.
University of Washington Arboretum
Clubhouse
Mrs. H. C. Bamford, Secy.
810 W. Lee, Seattle, Wash.

SHEPHERD. THEODOSIA BURR BR.

1st Tuesday, Dec. 1, Jan. 5, 7:30 p.m.
Alice Bartlett C. H., 902 E. Main, Ventura
Mrs. M. E. Ramelli, Secy.
1839 Poli St., Ventura, Calif.

SOUTHERN ALAMEDA COUNTY BRANCH

3rd Thursday, Dec. 17, 8:00 p.m.
Cafeteria, High School, Hayward, Calif.
Mrs. Margaret Nelson, Cor. Secy.
P. O. Box 112, Niles, Calif.

SOUTHGATE BRANCH

4th Tuesday, Dec. 22, 7:30 p.m.
South Gate Municipal Aud., 4900 Southern
Mr. Walter Partridge
4849 Beck Ave., Bell, Calif.

TEXAS STATE BRANCH

4th Friday, Dec. 25, 7:00 p.m.
Rose Hill Club
Mrs. Leoma Caudle, Secy.
2822 - 8th St., Port Arthur, Texas

WESTERN PENNSYLVANIA BRANCH

2nd Wednesday, Dec. 9, 11:00 a.m.
Homes of Members
Mrs. R. L. Simpson, Cor. Secy.
35 Fayette St., Oakdale, Pa.

WESTERN RESERVE BRANCH

CLEVELAND, OHIO
4th Wednesday, Dec. 23, 8:00 p.m.
Garden Center, 10013 Detroit St.
Cleveland, Ohio
Mrs. Edward Lobser, Cor. Secy.
25912 Westlake Rd., Bay Village, Ohio

WHITTIER BRANCH

4th Tuesday, Dec. 22, 7:30 p.m.
Union High School, Room 19
Lindley Ave. Entrance, Whittier, Calif.
Mrs. Gladys B. Bruce, Secy.
6102 Milna Ave., Whittier, Calif.

WILLIAM PENN BRANCH, PA.

3rd Tuesday, Dec. 15, 7:00 p.m.
Homes of Members
Wallingford, Pa.
Mrs. J. H. Ward Hinkson, Secy.

*Calendar*

December 8th

Glendale Branch: Joint Christmas Party with the Glendale - Mountain View Branch of the California Fuchsia Society.

December 10th

Inglewood Branch: Ruth Allen, one of the top professional flower arrangers in Southern California, will give a demonstrative lecture on Christmas decorations, featuring door swatches, mantel pieces, table decorations and tips on new ideas for decorating Christmas trees and gift wrappings.

December 16th

Hollywood Branch: Christmas Party. Mr. Fred Kaye, noted fern authority, will speak on Ferns.

December 17th

El Monte Branch: Whoopee Party Game. Everyone is requested to bring a gift for exchange.



LARGEST STRAIN IN WORLD! Uniformly double, full petaled—a majority of the Camellia flowered type. Riot of colors include red, orange, apricot, gold shades . . . edged whites and yellows. Easy to grow. Plant now for long season of brilliant multi-colored blooms. Beautiful in the garden and unsurpassed as cut flowers. **50 BULBS postpaid only \$1**

GIANT ANEMONES Large 3 to 4 inch, poppy-shaped flowers of varied, vivid shades. Especially rich in exquisite Blues and Violets, they are delightful companion flowers to Ranunculus. **50 BULBS postpaid only \$1**

SPECIAL COMBINATION OFFER—100 Bulbs **\$1.89**
(50 Ranunculus and 50 Anemones) only **\$1.89**
POST PAID

FREE! FALL BULB CATALOG—full color illustrations of your favorite flowers.



WRITE DEPT. 0000
6133 Ethel Ave.,
Van Nuys, California

POSTMASTER
Return Postage Guaranteed
P. O. BOX 2544
Los Angeles 54, Calif.

Raise	From Seed
SHADE LOVERS	
<ul style="list-style-type: none"> • Rainbow Coleus • English Primrose • Tuberous Begonia 	<ul style="list-style-type: none"> • Fuchsia Hybrids • Impatiens • Calceolaria
Pkts. 50c each, All 6 \$2.00—FREE CATALOG	
CAMPBELL SEED STORE	
137 W. Colorado St., Dept. B. PASADENA 1 CALIFORNIA	

FISHER'S NURSERY

Choicest Rex Begonias—Epiphyllums—Ferns
Visitors Welcome—Closed Mondays and Tuesdays
Will Ship Plants & Epiphyllum Cuttings Anywhere
—also—
Rex Begonia Seed, \$1.00 per package
CARL E. FISHER
9221 HOUSTON STREET ANAHEIM, CALIF.
(1 1/2 Miles East of Buena Park)

BEGONIAS, FUCHSIAS AND A
COMPLETE SELECTION OF ALL PLANTS
FOR THE SHELTERED GARDEN

RAINBOW NURSERY

1635 W. Florence Ave., Los Angeles 44, Calif.
Phone: PLeasant 3-6121

**SPOONIT
PLANT FOOD**

Send Post Card for information about
my generous trial offer

PLANTSMITH

Box 818 Palo Alto, Calif.

**YOUR GREENHOUSE
CONSULTANTS**

We invite our good friends in The Begonia Society to drop in and talk greenhouses at any time. And don't forget that we have a complete line of supplies, including GE Soil Cable—ideal for seed flats.

See our permanent display

SOUTHERN CALIFORNIA GREENHOUSE MANUFACTURERS

3266 North Rosemead Blvd. Rosemead, Calif ATLantic 0-2543



CASA EDENA GARDENS
AFRICAN VIOLETS

Leaves Plants

New and old varieties, also introducing our
EDENA SERIES. Write for List.

E. H. THOMAS

461 Bridge Road Walnut Creek, Calif.

AFRICAN VIOLETS

LEAVES — PLANTS
The best of the older varieties
and many new ones
Write for list

ORCHARD NURSERY

4011 Mt. Diablo Blvd. Lafayette, Calif.



Tropical Homes and Gardening

Is the Leading Lower South and
Sub-Tropical Gardening Magazine

One Year \$3.00 Two Years \$5.00

CORAL GABLES BOX 804 FLORIDA

MAGAZINE

Small, interesting—flowers, gardening, bird and
nature notes, poems, ads.

\$1.00 per yr.; 25c, 3 months; Sample, 10c

GARDEN GLEANINGS
2B, Baroda, Michigan