

The BEGONIAN

Devoted to the Sheltered Gardens

Begonia
Margaritacea

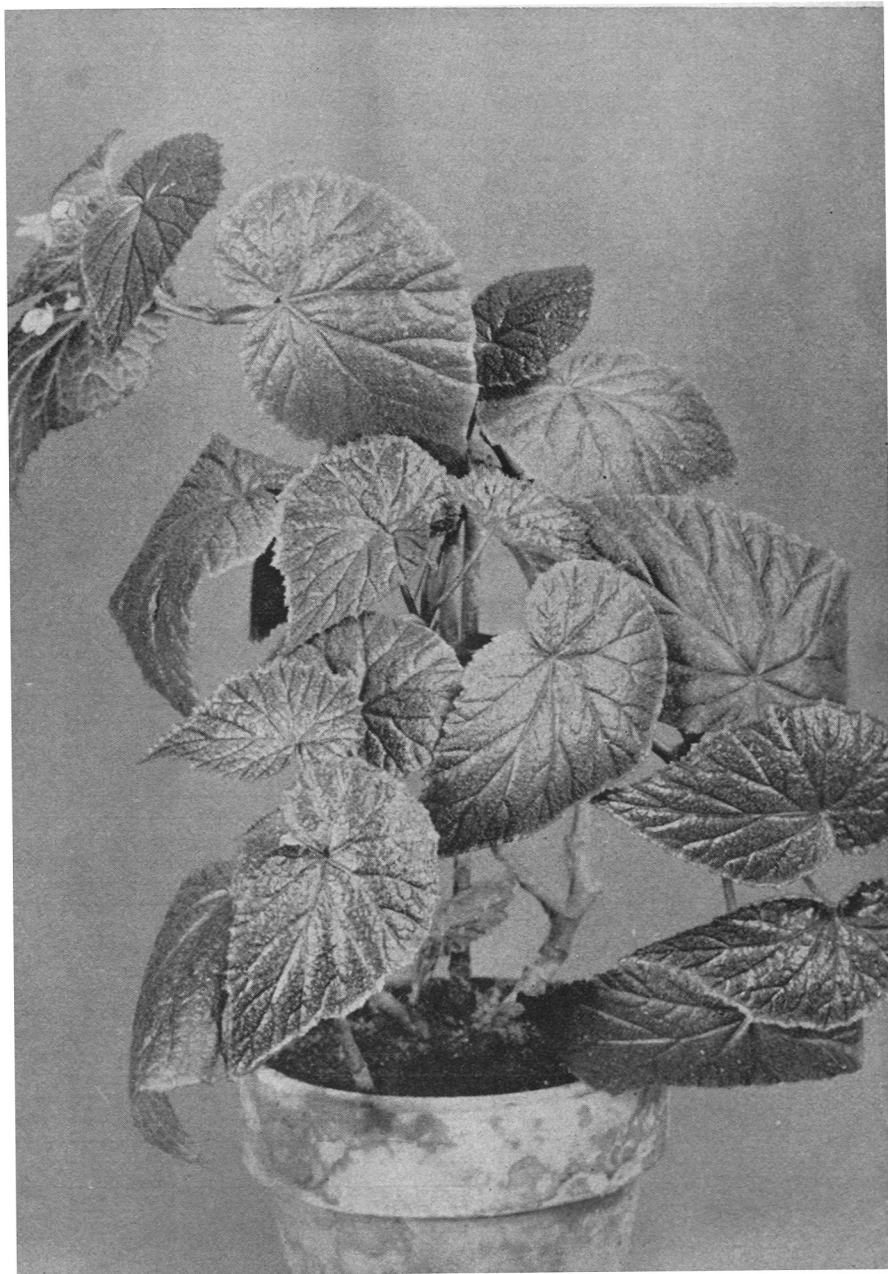
Photo
By
**ALBERT H.
GERE**
Merion, Pa.
(See Page 146)

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FIFTEEN
CENTS



The BEGONIAN

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CONTENTS

BEGONIA MARGARITACEA	Front Page and 146
FINAL WORD ON CONVENTION AT LONG BEACH	145-146
THREE BIOLOGICAL METHODS OF COMPOSTING	147-148-149-164
BRANCH NEWS	149
SEED FUND NEWS	149
BEGONIA RIGIDA, REGAL — with Sketch	150-151
BOOKLETS FROM UNIVERSITY OF CALIFORNIA	150
BEGONIA MAZAE	152-164
LONG BEACH FLOWER SHOW—Rules, Regulations and Part Schedule	153-154-155-156-157
REX BEGONIAS FOR NAVAL HOSPITAL	157
BEGONIA QUIZ PROGRAM	158-164
SOME FIBROUS AND SEMI-FIBROUS BEGONIAS	159-160
SAINTPAULIAS (AFRICAN VIOLETS)	161
ROUND ROBIN NEWS	162
AUGUST FLOWER SHOWS	162
THIS IS HOW I DO IT	163
CONDENSED MINUTES BOARD A. B. S.	164
MEETING DATES AND PLACES	165

FINAL WORD ON CONVENTION AND BANQUET

By Fred Taylor, Long Beach, California

Schedule for THURSDAY, AUGUST 14

1. Remember you can install your booth any time after 9:00 a. m., August 13.

2. Check everything before you leave home to see that you have all necessary tools, equipment, accessories and above all your flowers and plants.

3. Drive your car or truck up to the freight entrance of the auditorium which is on the east side. Check in with the exhibits committee at the door. Get your booth location. Load your plants and equipment on dolly provided for that purpose. Move to your location and start to work.

4. Be sure your committee that installs the exhibit and the committee that will be in attendance at the booth during the show register with the exhibits committee immediately upon arriving at the auditorium. This is important as they will receive their committee badges at the time of registration.

5. After you think your booth is complete and ready for judging recheck with your plan to see that everything is as you planned it. Remove all unnecessary equipment and debris from your booth, remember you are in competition, make it as beautiful and impressive as it is physically possible.

6. See that the members of your booth committee are instructed as to the time they are to be on duty at the booth, what their duties consist of. That they have an adequate supply of literature, membership applications and any other information pertinent to your club or branch. No commercial advertising permitted in or from club booths.

7. Recommended booth sign for club or branch, 1 ft. x 8 ft., with name and address only. Make signs on medium weight cardboard in one or more pieces. This sign can be fastened to metal in one or more pieces. This sign can be fastened to metal ventilating shield which is above the eight foot six inch height line. If you are unable to have sign made in your locality the auditorium decorators will make one for you, at standard price.

8. Before leaving at night see that your plants are well taken care of. Your booth committee should be at the auditorium early enough each day to water and re-arrange booth. If any plants or flowers need attention take care of them before show time, 2 p. m.

FRIDAY, AUGUST 15

1. Booth committee should be at auditorium in plenty of time to see that their booth is in good condition. If any plant is not in condition

for show, replace it or remove it from booth.

2. Be sure that one member of your booth committee is in attendance during show.

3. Look over booth before leaving at night to see that everything is as it should be.

SATURDAY, AUGUST 16

1. All individual club or branch exhibitors must be at auditorium in plenty of time to have their entry cards made out and plants or flowers in place by 10:00 a. m. for judging. If any individual has a plant in the booth that he wishes to enter in competition it must be removed from booth and placed on table in the front of the booth. There will be tables provided for that purpose by the exhibit committee. Remember this is for amateur growers only, no commercial growers will be allowed to enter in these classes.

2. After judging has been completed plants that were removed from booth are to be replaced with the award showing.

3. Seed Explorers meeting will convene at 10:30 a.m. in the Concert Hall on the second floor of the auditorium to the rear. This Hall will seat approximately 1700 people so there will be room for everyone. Adjournment will be called for luncheon at 12:30 until 2 for viewing of winners of individual plant awards. The annual business meeting will convene at 3 o'clock at 5:30.

4. The annual banquet and installation of officers will take place at the NEW MASONIC TEMPLE, 835 LOCUST AVENUE, which is one block west and eight blocks north of the auditorium. Dinner will be served promptly at 6:30 p. m.

5. Before entering banquet room be sure to write your name and address, also your branch name on the back of your ticket. This is very important.

6. There will be ample parking room close to the banquet hall for those that wish to drive.

7. Booth committee should see that booth and plants are taken care of before leaving at night.

SUNDAY, AUGUST 17

1. The same routine as the previous days with the following exceptions:

- a. The show will close at 8:00 p. m.
- b. All exhibits are to be removed from the auditorium by 12:00 midnight August 17th. This is necessary as there is to be another show open in this hall Monday, August 18th.

2. Be sure you have all your plants and

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A. B. S. ANNUAL CONVENTION AND
SHADE GARDEN SHOW: August 14, 15,
16 and 17, LONG BEACH, California.

equipment before leaving auditorium. Leave
your booth as clean as possible. We may want
to use this auditorium again next year.

For out-of-town members and their family
that plan on staying in Long Beach for the
duration of the show we suggest that you con-
tact the following hotels for reservations,
mentioning the fact that you are attending
the American Begonia Society Convention.
These hotels are within one or two blocks of
the Auditorium.

HILTON HOTEL, 210 East Ocean Blvd.,
Long Beach, Calif., Tel. 722-01.

ROBINSON HOTEL, 334 East Ocean
Blvd., Long Beach, Calif. Tel. 652-55.

ALEXANDER HOTEL, 105 Locust Ave.,
Long Beach, Calif. Tel. 612-94.

SCHUYLER HOTEL, 117 West Ocean
Blvd., Long Beach, Calif., Tel. 622-41.

HOW TO GET TO AUDITORIUM WITH YOUR PLANTS AND EXHIBITS.

Drive south on Long Beach Blvd., (which
is American Ave. in Long Beach) to Ocean
Blvd., turn left one block to Hart Place, which
is a short street running south from Ocean
Blvd. only. This street will lead you directly
to the freight entrance of the auditorium. Any
other information you may need please write
or call E. A. Taylor, 6138 Orange Ave., Long
Beach (5) Calif. or Phone 227-66.

Be sure to purchase your *show* tickets and
banquet tickets from your branch or club re-
presentative in advance, as there will be none
of these special tickets on sale at the show.

Long Beach is awaiting you with open arms.
Come and enjoy a memorable holiday and
A. B. S. Convention combined.

BEGONIA MARGARITACEA

(Front Page)

By Charlotte M. Hoak, Pasadena, Calif.

Begonia Margaritacea is possibly a seedling
of *B. Arthur Mallet* and *B. Gloire Desceaux*
raised by Jamse Veitch of London in 1895. It
is quite similar to *B. Arthur Mallet* but has
thicker leaves which are steely-grey under-
flushed red instead of bronze-red. It is a free
bloomer, the flower being of a paler pink. It
is much hardier than either *B. Arthur Mallet*
or *Tingley Mallet*. It should not be confused
with *B. Margaritae* which is a cross between
B. echinosepala and *B. metallica* and has a
dark green hairy foliage with a metallic
lustre.

THE ANNUAL CONVENTION AT
LONG BEACH, CALIFORNIA, is expected
to be the best yet. Plan to come August 16
and 17th, 1947.

THREE BIOLOGICAL METHODS OF COMPOSTING

By Charlotte M. Hoak, Pasadena, California

The responsibility of all gardeners everywhere for their own particular bit of soil rests heavily on them. In entering a new age we must search diligently for new methods of solving all soil problems. We must align ourselves with the proper use of the little understood forces, some of them today being used destructively, have shaken the foundation of the universe. We either create or destroy, and whether we traffic in the atomic bomb or deal with the soil much depends upon proper understanding of these forces which make or break our civilization.

Before the late World War a prominent English authority made this bald statement: "Half the world is sick and the other half has something the matter with it." In seeking first causes we do not have to search far. This first cause is intimately bound up with the welfare of the soil. The vicious circle commences with the sick and depleted soils running a complete circle through sick plants, sick animals and sick human beings. Soil fertility is the basis of sound health in the future. We need to learn how to work with nature, not against her. A keynote was sounded by Lord Northbourne in his admirable book "*Look to the Land*," in which he said: "We must feel our way from a proper care of the land to higher things. The land must be the starting point, so perhaps those who are in a position to influence the treatment of even a small bit of it have the greatest responsibility. Out of their efforts must come that new thing which will not be like anything known before: a new wholeness of harmony in the world of life, which is now so broken and divided against itself."

It is the purpose of this article to pass in review three of the outstanding methods of composting which come under the biological heading: The Indore Method, the Bio-dynamic and the Quick-Return System.

The Indore method, which was the outcome of so many years of painstaking research and practice by Sir Albert Howard of Indore, India. "An Agricultural Testament," not a religious treatise but a sound exposition of the adaptation of nature's methods to agricultural purposes. This method has not only been widely applied in the land of its origin, but has been successfully used the world over. This method is the one highly recommended by the Organic Gardenic Group at Emmaus, Pa. This system, it is pointed out, aims at converting every scrap of waste material, vegetable, animal or human into first class compost at the highest maximum rate and at a minimum loss of plant nutrients. The heaps are built in three layers,

one of vegetable matter from four to six inches thick, one of animal wastes, preferably manure, two inches thick; and a third layer one eighth of an inch thick of earth mixed with liquid manure and wood ashes, powdered unburnt lime, earth and lime or lime alone. If the materials are dry they are moistened enough to be wet but not soaked. These layers are repeated in order until the heap is about five feet high. Ventilation, which is very important, is accomplished by inserting a crowbar or sharp pointed stick three and one feet from the top—nearly to the bottom of the pile. These holes should be large enough not to close up. When the pile is completed it is given a temporary covering and can be allowed to stand until the first turning in about three weeks. The second turning is given in about five weeks after the first one. Any lumps should be broken up, the outside worked to the inside and sufficient water added to keep the consistency that of a "squeezed-out sponge." After each turning the covering should be replaced. For easier operation there should be about five feet of space at the end of the heap which may be of various dimensions to accommodate the size of the project. The activity of the various micro-organisms which synthesize the humus are followed by a reduction of temperature; 149 deg. F. at the beginning and 86 deg. F. at the end of ninety days. First the aerobic thermophyllic bacteria carry on the work of breaking down the cellulose. After the second turning, the process becomes anaerobic. Humus is completely synthesized at the end of three months and ready for immediate use.

The BIO-DYNAMIC method, which centers its procedures around the biological dynamic or life-forces, was first set forth by the late Dr. Rudolph Steiner and is probably one of the most comprehensive processes ever advanced and at the present time, least understood by the average layman. During the last twenty years it has made considerable advances in certain sections of continental Europe, England and the United States.

The principles upon which the Bio-Dynamic methods are based are far too complex to be adequately discussed in a brief article. For a thorough understanding "Bio-Dynamic Farming and Gardening" by Ehrenfried Pfeiffer should be read.

Put briefly, the nature and scope of these principles are: 1st, the earth is not an inert mass of matter, but a living organism subject to terrestrial and cosmic influences and rhythms which we are just beginning to understand. 2nd, these intangible, cosmic formative forces

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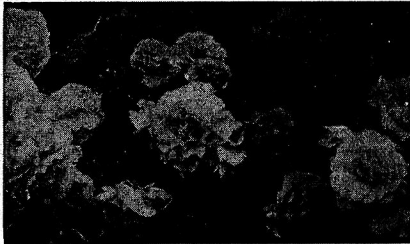
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radiating throughout the atmosphere, the earth and all living organisms, have a profound influence on plant growth and development, taking precedence possibly over plant nutrients.

3rd, These formative forces which are retained by material derived from plants and animals can be released and conserved for repeated use in plant development. Organic manures add their vitalizing effects to the soil in addition to plant foods. 4th, Compost made in free contact with both earth and air retain the maximum of the formative forces contained in the raw materials employed. These inherent forces can be greatly augmented by certain bio-dynamic "preparations."

5th, Bio-dynamic correct farming or gardening is in the long run most profitable for it conserves and rebuilds the soil, the plants, the animals and humans.

The bio-dynamic compost pile is built like any well managed one. The insertion of a set of special preparations to promote rapid, even and inoffensive decay and increase the vital life energy, to be transferred to the soil in the finished product. These preparations are inserted at regular intervals and are made by special processes from medicinal wild plants such as camomile, dandelion, oak bark, stinging nettle, valerian and yarrow. These various preparations are known by numbers, and are used in very small homeopathic doses which act as leavening influences. The making and distribution of these "preparations" has been restricted to members of the ANTHROPOSOPIHICAL SOCIETY not as a matter of secrecy, but to guard against destructive commercialism. Only those, according to Dr. Steiner, could be intrusted to make the "preparations" who had a thorough understanding of the technique coupled with moral responsibility. By application to any member of the Bio-dynamic Association more particulars and help can be obtained. A membership fee of \$3.00 per year entitles the member to instructions and privilege of purchasing the necessary "preparations." Non-poisonous sprays for plants and soil against fungous diseases etc., are also known by number. One of these, No. 508, is made of horsetail rush (*Equisetum arvense*).

The Quick-Return method was originated by Miss Maye Bruce of Cirencester, England, whose whole method is set forth in her book, "Quick Return Method of Compost Making," now available in America, published by Organic Gardening, Emmaus, Pa. Miss Bruce's method is one suited admirably to small scale composting in the average home garden with the object of producing good quality compost in minimum time. While she adheres to many regular practices in main, she offers several innovations and emphasizes the following
 (See Page 149)

BRANCH NEWS

The SAN FRANCISCO Branch, at their June meeting, played host to the members of the local branch of the American Fuchsia Society. The evening was called "Fuchsia Night."

For the benefit of the Fuchsiaerians, three speakers, all practical growers, covered the culture of the three main groups of Begonias. Mrs. Susie Waltz, of the Muriel Waltz Gardens in Ross, spoke on Rexes. Mrs. Lillian Sharp, pinch-hitting for her absent husband, delivered a short talk on the Fibrous rooted type. Mr. William Moxon concentrated on the Tuberous Begonias. Each of them answered numerous technical questions propounded by the interested audience.

At the conclusion of the discussion, Mr. Kramer, the President of the Branch, showed a selection of colored slides, mostly taken at the renowned Begonia Gardens of Vetterle & Reinelt at Capitola, California.

The newly introduced feature of "*Stump the Experts*" was a great success. Anyone was invited to ask questions pertaining to Begonia culture and Mr. Kramer would call on a member to answer it.

A large table was set aside for an exhibit of various types of Begonias. A special display was arranged showing different stages of development of the Tuberous from seeds to a blooming plant.

As special feature at the July meeting were two colored films shown by a representative of the Standard Oil Co. The first was "*Mysteries of Plant Life*" and the second, flora and scenes at Yellowstone and Teton National Parks. The skillful photography and beautiful coloring impressed the entire audience.

Our member, Mrs. Charles Edwin Edwards, who also is the President of the S. F. Chapter of the California Spring Blossom and Wild Flower Association, was the speaker of the evening. While she originally intended to report on the annual Convention of the California Gardens Clubs, Inc., her impressions of the Southern gardens were so deep that she devoted her entire talk to their description. She noticed especially their manner of landscaping natural backgrounds and the avoidance of artificiality. Mrs. Edwards described in detail gardens visited in the vicinity of Santa

points:

1st, Wall or bins to ensure the retention of heat in small amounts; 2nd, a three-inch foundation of rubble with an inch layer of charcoal; 3rd, alternating layer of four-inch thickness made of soft green and drier mater-

(See Page 164)

SEED FUND NEWS

Your skipper is calling for a new crew of Armchair Explorers to set out on another world wide expedition in search for seeds of new Begonias. You are invited to join us, the only requirements are membership in the A. B. S. and a fee of \$2.00, for this you will receive a share of the seeds collected. Seeds to be mailed out early in 1948. If you wish a receipt for your contribution, please include a stamped envelope or postcard.

We have something new for you, an Armchair Explorer's Correspondence Club. We have long felt the need of such a correspondence club to help iron out some of the questions and problems that arise regarding the seeds sent out by this department. We would like to find out what seeds did the best, what type Begonia seeds most members prefer, new methods of germinating seed and any question pertaining to seed sent out by the Seed Fund. Mrs. Marie Minter, Rt. 1, Box 180, Encinitas, Calif., is to have charge, with Mrs. Lee Krauss helping with identification and other technical questions. All Armchair Explorers are invited to join in this roundtable discussion, the only cost is the postage of your letter, please write direct to Mrs. Minter. This will help to ease up some of the work from your skipper's shoulders.

Please note—Armchair Explorers are called to a meeting during the Convention in Long Beach. Meeting to be at 10:30 a. m. on August 16th. Bring a plant you have grown from seed—we will talk over our plans for the coming year. Be sure to register at our booth and get your free packet of Begonia seeds.

Cheerio until we meet in Long Beach. Your skipper, Florence Carrell.

Barbara and Ojai as well as several large estates in Beverly Hills and Pasadena. "The Begonias are my first love," said Mrs. Edwards and stressed the Begonias throughout her talk. Her vivacious and charming personality, her enthusiasm and dramatic mannerism made her talk very enjoyable.

We all are looking forward to the annual excursion on July 13th, to Vetterle & Reinelt Begonia Gardens at Capitola and to the picnic at Sea Cliff Park afterwards.

The members are preparing for the *annual San Francisco Flower Show which will be held as usual in the City Hall Rotunda, August 27-28*. The Vice-President, Mr. Arthur Boissier, serves this year as the Show Manager and is busily occupied with the preparation for this event.

See you soon at the annual Convention.

B. RIGIDA, REGEL

By Alice M. Clark, San Diego, California

B. rigida, Regel, was loaned to me by Mrs. Charles Calloway of La Jolla. When I called for the begonia I had a delightful visit with her mother, Eva Kenworthy Gray, who exhibits her usual wide-awake interest in all of the begonia family. She autographed her splendid little booklet for me.

B. rigida is an amazing specimen, two feet wide and the same distance to the tip of the bloom stalk. When I began to draw it there was only one cluster in bud. Now, a month later, the male blooms have given way to a larger inflorescence of thirty or more pistillate flowers, while a second peduncle, just like the one in the sketch, has thrust itself up beside it. In its spectacular size, this plant reminds one of *B. caroliniaefolia*, but it is more graceful and much fuller, with many more leaves which I omitted in order to show the thickened main stalk. (There might have been another reason, which I leave to your imagination). If *B. rigida* is so large in a 10-inch pot in a lathhouse, what might it not be in the ground, in a favorable location?

The upright trunk is 1½ inches through. The scars on the front are smaller than those of *B. verschaftelti*. The 8-inch pedicel of yellow-green has light channels in its length with some white flecks and fuzz. The stem diameter is half an inch at its thickest and slightly bulbous at the base. The infant leaves are housed in a pair of small, keeled, transparent sheathes with a tip hair on each point. They escape from these very early, to flaunt their collars of fleshy, pale-green hairs that catch the light like misplaced halos.

When young, the long leaf points are pleated in by their pale green ribs, like an inside-out umbrella. As they develop, the segments beneath the veins are mottled with a henna red, giving the appearance underneath of lovely brocade. This coloring remains until the leaf starts to fade. On the same side, the blood-red coloring of the thick, highly raised veins at their axis is sensational. It sometimes extends more than an inch in each direction and there are large flecks of it at other intersections, as if there had been an explosion of red dye.

There are six main nerves in most leaves, some compounded towards the end and all cut in about half way. They are inked red towards the center on top. The middle section is concave rising to a hump where the pointed fingers begin, then curving out and under. The surface is a vivid, sunny green with pebbled texture like a rex leaf. The edges are finely serrate and both sides are covered with short white bristles. When flattened out, the spread

from tip to tip is 14 inches.

The flower stem is 15 inches to its first fork, not as thick as that of the leaf, a much darker green, without the hairs, but with more lumpy white flecks. There is a tint of red and a dried bract, at each bi-section. The flowers are greenish when in bud, with flushes of old rose. The petals are broader than long, two wide and two narrow. They are cream colored, with streaks of green and rose on the outside and very ruffled edges when open. The petals allow a first glimpse of a very thick wide mass of green stamen, which becomes almost a globe of gold, when full-blown.

The female flower, which is shown in enlarged detail, has four petals, though one, as in the sketch, is often wider and cut in enough so it looks like two. The edges are flounced to a slight tip with a pink tint down the middle. The stigma is most interesting as it has a ruffled yellow webbing connecting each of the three antlered pairs at their base. The flower is an inch across. Even the ovary wings ripple a bit. There is a round notched tip on the largest one, with a faint rose wash over the general light-green color. The stemlets, over an inch long, are also a rosy hue.

B. rigida may be an old favorite with many of you, as it was described in Mrs. Gray's booklet in 1931, though not mentioned by Chevalier or Fotsch. It was known here under the name of *Ecuadoriensis*, for the country from which the seed was introduced. It had already been described by Regel, so we revert to the name he gave it. If this begonia can stand the dry air indoors what a nice addition it would be to modern windows, where exotic plant form is desired. Who will try it?

When you read this, I am hoping you will be able to get Mrs. Krauss' new book to which we can all turn for more extensive information on this and other begonias. What a joy to be able to add another volume to the shelves about our favorite plant family!

NEW BOOKLETS AVAILABLE FOR THE GARDENER

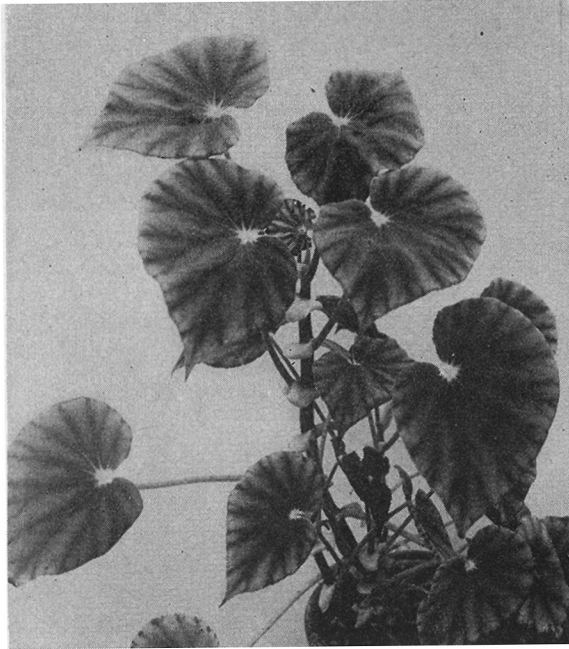
The University of California at Berkeley has just issued two particularly timely booklets for the advancement of the professional and the home gardener alike. Either or both may be sent for—free of charge.

"The California Avocado Industry Circular 43," by Robert W. Hodgson covers the subject very thoroughly and it is well illustrated.

"Lawn Sprinkler Systems" by J. E. Christensen, Circular 134, also gives practical tips on sprinkling lawns and gardens.



B. RIGIDA, REGEL



BEGONIA MAZAE

A new and distinctively beautiful begonia unlike any in cultivation. It may be staked to produce a tall plant or may be used as a large basket plant. (See description below for color and details).

Offered for the first time, \$3 each, F. O. B. Santa Barbara, California

RUDOLF ZIESENHENNE—Begonia Specialist

1130 North Milpas St.,

Santa Barbara, Calif.

BEGONIA MAZAE

By Rudolph Ziezenhenne, Santa Barbara, Calif.

Begonia (sec. *Magnusia*) **Mazae** Ziesenhenne, spec. nov., erect, herbaceous perennial, becoming woody, up to 18 inches tall, seldom branched, entire plant bare; stems two inches long between joints, five-sixteenths inch in diameter, round, dull in luster, lettuce green with small sap green dots and currant red dots, above each stipule encircled with a $\frac{1}{4}$ inch band of oxblood red; stipules persistent, fleshy, the base half encircling the stem, triangular in shape, $\frac{7}{8}$ inch wide at the base, one inch long, not symmetrical, margin entire, tip acute, edge curled under, the tip half curled under and to the right or left one-half turn. Keeled the entire length on the underside and out beyond the tip $\frac{3}{8}$ inch into a soft hair-point, pod green with lighter green dots, veining not prominent; petiole smooth, shining, round, six inches long and three sixteenths inch in diameter, pod green with lighter green dots and currant red dots; leaves obliquely very broadly ovate, acute, deeply cordate at the base with large rounded basal lobes, palmately 8-10 nerved, $3\frac{1}{2}$ inches wide and 5 inches long, margin very remotely dentate and curved under, tip long acuminate, sinus lettuce green, leaf sage green near the center and continuing along the nerves but fading to yellow-brown-green at the margin, reddish-brown areas at the tips of the nerves, underside of leaf dull oxblood red with deeper areas along the tips of the nerves to the margins and in the exact pattern with the reddish-brown areas on the top of the leaves; inflorescence a cyme, axillary, many flowered, fragrant, 6 inches in diameter, exceeding the leaves, blooming in late winter and early spring;

peduncle $7\frac{1}{2}$ inches long to first branchlets, smooth, round, pod green with a reddish cast from within the stem, lighter green dots, red dots; bracts deciduous, symmetrical, base half encircling the stem, triangular, $\frac{3}{8}$ inch wide at base and $\frac{1}{2}$ inch long, curled under along the edges, entire, tip acute; peduncle branches $1\frac{1}{8}$ inches long, one-sixteenth inch in diameter; pedicels from $\frac{1}{2}$ inch long successively shortened to $\frac{1}{4}$ inch long, one-thirty-second to one-sixty-fourth inch in diameter; male flowers, sepals 2, round, $\frac{1}{4}$ inch in diameter, white to pale pink, back side dotted currant red; stamens 11, oblong, one-sixteenth inch long, yellow, connective not prominent, dehiscing laterally; filaments spring from a common base and not grown out, one-sixteenth inch long, anthers arranged like a hand of bananas with the concave side upward; female flowers, sepals two, round, $\frac{1}{4}$ inch in diameter, white to pale pink, the back dotted with currant red; styles 3 persistent but finally drying, connate at the base, hardly divided but growing up and expanding to form a half funnel shape with a continuous papillae band along the top and outer edge; ovary 3 celled, the lamella are divided into two and seeds are carried on both sides of each plate, ellipsoid three-sixteenth inch wide without the wings and $\frac{1}{4}$ inch long, pod green with currant red dots, wings three with one larger, tip acute, pod green with currant red dots, tip of wing tinged currant red, largest wing $\frac{1}{4}$ inch wide and $\frac{1}{4}$ inch long, deltoid, all wings are cut off abruptly at the petal end of the capsule where the wings reach (See Page 164)

LONG BEACH FLOWER SHOW

Municipal Auditorium, August 14-15-16-17

General Rules and Regulations of Long Beach Flower Show

These Rules and Regulations Apply to Every Entry in All Divisions Except Those Divisions Carrying their Own Rules and Where Set Forth Under Said Supervision.

ALL EXHIBITS IN DIVISIONS A1-B-C-D-E-F-G-H MUST BE IN PLACE READY FOR JUDGING BY 10:00 A. M. ON AUGUST 14th, 1947.

EXHIBITS IN DIVISION A MUST BE IN PLACE READY FOR JUDGING BY 10:00 A. M. ON AUGUST 16th, 1947.

Exhibitors are expected to familiarize themselves with the rules and abide by them.

Where there is but one exhibitor entered in class, Judging Committee may recommend no premium for first, second or third, as merit may warrant.

Premiums will be designated by ribbons as follows: FIRST PRIZE, Blue Ribbon; SECOND PRIZE, Red Ribbon; THIRD PRIZE, White Ribbon.

Ribbon Premiums will be awarded in all classes. Also special Rosettes and Trophies.

Each exhibitor will be entitled to but one exhibit under each entry number, except where noted in entry list.

THERE WILL BE NO ENTRY FEE.

All entries must be made according to schedule by DIVISION LETTER, by SECTION NO., and CLASS NO.

All exhibitors will report to EXHIBITS COMMITTEE Headquarters and make out an entry card for each exhibit, which will be placed in a sealed envelope at time of placing the exhibit, allowing same to remain sealed until after Judging. No other card or label will be permitted.

THE DECISION OF THE JUDGES SHALL BE FINAL.

No exhibit shall be moved until the close of the show, unless the exhibitor and the Exhibits Committee agree to do so.

All exhibits are from the commencement to the close of the show in charge of the Exhibits Committee.

No professional help permitted in amateur set-ups. (This does not apply in DIVISION A-1).

Label correctly each exhibit, if possible. (The public comes to learn).

In DIVISION A, amateur, all entries must

be grown by the exhibitor for at least three months prior to show. Begonias used in flower arrangements need not be grown by the exhibitor.

ALL DIVISIONS (except DIVISION A), amateur exhibits of plants must be grown by the exhibitor for at least 2 months prior to show. Cut flowers in arrangements, etc., need not be grown by the exhibitor.

Each exhibitor will be solely responsible for any consequential or other loss, injury or damage done to, or occasioned by, or arising from any article exhibited by him, and shall indemnify the Long Beach Flower Show or its Sponsors and Supervisors, the "Pacific Flower Shows, Inc." against all legal proceedings in regard thereto.

The sponsors and Supervisors will take every precaution for safe preservation of all articles on exhibition and all property of every character entered for competition or display, or for any other purpose anywhere in the Auditorium building, but in no case will the Pacific Flower Shows, Inc., be responsible in any way for any loss, damage or injury of any character to any property while same is in the Municipal Auditorium of the City of Long Beach, or any other time or place.

DIVISION A-1

Rules and Instructions For Booth Exhibits of Clubs

1. Any Club or Society or Branch of a Society referred to herein shall be known as a Club.
2. Clubs competing in Booth exhibits shall have been organized before May 1, 1947.
3. The size of Booths for Club exhibits are 10' x 10', with a height of 8' 6", under mezzanine floor. They are donated to the Clubs free of charge.
4. Club Booths to be decorated with plants and flowers from Club members gardens, using materials and accessories as desired. Members must be in good standing to be eligible to show.
5. Commercial growers who are members of Clubs who are in good standing, may assist the Clubs with plants and flowers and give their personal services in decorating Booth.
6. Commercial advertising of any kind cannot be displayed in or on Club Booths.
7. Club exhibits must be ready for Judging by 10:00 a. m. on August 14, 1947.
8. Prizes for this division will consist of

First, Second and Third Prize Ribbons.

First Prize \$100.00 Government Savings Bond.

Second Prize \$50.00 Government Savings Bond.

Third Prize, \$25.00 Government Savings Bond.

9. Amateur growers having plants or flowers which are part of Club Booth exhibits may remove same from Booth and place them on table for Judging by 10:00 a. m. August 16, 1947. After Judging and before opening of show on Aug. 16, plants must be replaced in Booth with ribbons showing for general public to see.

10. Rules for individual Judging will apply while plants are on judging table.

11. Instructions to Clubs for application for Booth space. Address application to:

Mrs. Ann Smith, Chairman, Exhibits Committee, 250 East Home St., Long Beach 5, Calif.

Your booth number will be drawn from bowl during Committee meeting, thus eliminating any favoritism to any Club.

12. Every Club applying for Booth space will be sent a floor plan of the Long Beach Municipal Auditorium, Official Entry Blank, together with Premium list of show.

13. We would like to suggest that each Club appoint a committee of at least 8 people to install and attend the Booth during the period of the show, which lasts four days, August 14, 15, 16, 17, 1947.

14. There is a limit to available Booth space, so we suggest that you apply as soon as possible.

A perpetual Trophy given by the PACIFIC FLOWER SHOWS, INC., is held by the Club Exhibit whose Booth wins First Prize. The name of Club winner will be inscribed on individual plate on Trophy. Trophy to remain in possession of winner until the staging of the 1948 Long Beach Flower Show, at which time the Judging Committee Officials will present it to the winner of the Club Booth Exhibit for that year. Any Club winning this Trophy three years in succession will receive \$100.00 Government Savings Bond.

DIVISION A

Amateur Begonia Growers—Division A

Commercial Growers—Division C. A.

Section No. 1—FIBROUS ROOTED BEGONIAS

- Class 1 Bedding or Semperflorens.
- " 2 Tall Growing or Tree form.
- " 3 Intermediate Growth.
- " 4 Low Growing Branching Type.
- " 5 Climbing or Scandent Type.
- " 6 Semi-Tuberous Types.
- " 7 New Seedlings Grown by Exhibitor.

Section No. 2—RHIZOMATOUS OR PROCUMBENT BEGONIAS

- Class 8 "Star" Types.
- " 9 Helix or Spiralled and Crested Type.
- " 10 Other Rhizomatous Types.
- " 11 New Seedlings Grown by Exhibitor

Section No. 3—RHIZOMATOUS—REX BEGONIAS

- Class 12 Large or Medium Leaves.
- " 13 Small Leaves.
- " 14 Helix or Spiraled.
- " 15 Discolor or Branching.
- " 16 Miniatures, with Small Leaves and Growth.
- " 17 New Seedlings Grown by Exhibitor

Section No. 4—TUBEROUS ROOTED BEGONIAS (Special and Types)

- Class 18 Species; such as pearcei, B. evansiana, B. martiana.
- " 19 Hiemalis (Socotrana-Andean tuberous hybrids).
- " 20 Cheimantha (Socotrana-Dregei hybrids).

Section No. 5—RARE BEGONIAS

- Class 21 All such as (Begonia gogoensis, calla lily, B. dichroa).

Note: The above schedule of sections and classes taken from Bessie Raymond Buxton's book, "BEGONIAS AND HOW TO GROW THEM," edition of 1946.

Section No. 6—TUBEROUS (tuberhybrida) FLORAL TYPE (Potted Plants)

- Class 22-A Giant Single
- " 22-B Single, frilled
- " 22-C Single Narcissiflora
- " 22-D Single, crested (B. cristata)
- " 22-E Double, camellia
- " 22-F Fimbriata plena (carnation type)
- " 22-G Double, rosebud
- " 22-H Single, rosebud
- " 22-I Double, ruffled or ruffled carnation
- " 22-J New Rose Form
- " 22-K Picotee
- " 22-L New Seedlings (1947)
- " 23 Hanging Basket Begonias, (tuberous type)

Section 6A—CUT FLOWERS AND TUBEROUS FLOWER ARRANGEMENTS

- Class 24 Cut Tuberous Begonia Blooms, (no greenery permitted)
- " 24-A Flower arrangements using tuberous begonia blooms, greenery and accessories, any color, mixed
- " 24-B Flower arrangements using fibrous or rex blooms, greenery and accessories.

The following arrangements to be with foliage or accessories

Class	24-C	Arrangements in White
"	24-D	" Yellow
"	24-E	" Red
"	24-F	" Pink
"	24-G	" Orange
"	24-H	" Salmon
"	24-I	" Apricot
"	24-J	" Picotee
"	24-K	" Scarlet
"	24-L	Group Arrangements for Bridal party in color.
"	24-M	Arrangements for Bride only.
"	24-N	Arrangements for Bridesmaids only, four or more.
"	24-O	Arrangements in any color using Tuberous, Rex or Fibrous.

The Following Awards Will Be Made in the Begonia Division "A"

No. 1 Most artistic exhibit of Begonias in the following Sections: No. 1, 2, 3, 4, Rex, Fibrous and Tuberous.

No. 2 Best Tuberous Begonia.

No. 3 Best Rex Begonia.

No. 4 Best Fibrous Begonia.

No. 5 Best Collection of Rare Specimens.

No. 6 Best Collection Tuberous Begonias.

No. 7 Best Collection of Rex Begonias.

No. 8 Best Collection of Fibrous Begonias.

Competition is open to Commercial as well as Amateur Growers. Div. A for Amateur Growers and Div. C-A for Commercial Growers. Classification for both Amateurs and Commercial are identical.

WHEN MAKING OUT ENTRY CARD STATE WHICH DIVISION YOU ARE IN SO THAT AMATEURS WILL NOT BE IN COMPETITION WITH COMMERCIALS.

SCHEDULE OF PREMIUMS

Ribbons will be given for First, Second, Third and Special in each class, and for the best Begonia in each Section.

\$5.00 for the best Begonia, to be selected from the best Begonia in each Section.

\$5.00 for the best Begonia in each Section.

\$3.00 for the second best Begonia in each Section.

\$2.00 for the third best Begonia in each Section.

\$10.00 in cash will be given for the best seedling in the show. American Begonia Society Certificates will be awarded for meritorious plants.

The GONDA HARTWELL CHALLENGE CUP will be awarded for the best REX Begonia in the show. This is a perpetual Cup and will be retained by the winner until two weeks before the next show, at which time it must be returned to the President of the American Begonia Society. This Cup is in compe-

tion in the Amateur Class only.

The HAZEL DRUMMOND CHALLENGE CUP will be awarded for the best TUBEROUS BEGONIA in the show. This is a perpetual Cup and will be retained by the winner until two weeks before the next show, at which time it must be returned to the President of the A. B. S. This Cup is in competition in the Amateur Class only.

A SWEEPSTAKES CUP will be awarded to the individual winning the most points in the show, based on the following:

3 Points for each first place.

2 Points for each second place.

1 Point for each third place.

A SWEEPSTAKES CUP will be awarded to the Branch whose members win the most points in the show, based on the above point system.

A SWEEPSTAKES TROPHY will be awarded for the best REX, FIBROUS OR TUBEROUS BEGONIA in the Commercial classification.

See Rule 15, Division A1 for Perpetual Trophy, Club Exhibit.

THESE PREMIUMS AND TROPHIES ARE FOR AMATEUR EXHIBITS. The awards and ribbons for the Commercial entries are identical with the Amateur classification.

DIVISION E

Section No. 1—POTTED PLANT SECTION AMATEUR AND JUVENILE ONLY

Class 1 Ivy, (All Varieties)

" 2 Anthurium

" 3 Violets, African (Saint Paulia Ionantha)

" 4 Ferns, a—best collection in containers; b—pot-grown; c—hanging containers; d—Epiphytic types in bark, logs and rocks, such as Polypodium aureum and Davallia.

" 5 Philodendrons, a—small leaf plain and varieties; b—medium leaf; c—large leaf; d—rare varieties

" 6 Ornamental plants (suited for house culture)

" 7 Hydrangea

" 8 Coleus

" 9 Caladium

Section No. 2—CUT FLOWER SECTION AMATEUR AND JUVENILE ONLY

Class 10 Anthurium, (may be exhibited with greenery)

" 29 Anemone, Japanese

" 31 Geraniums, (All types)

Section No. 3—BULBOUS CUT FLOWER SECTION—AMATEUR AND JUVENILE ONLY

Class 34 Lily, Tiger

- Class 35 Lily, Showy
- " 36 Lily, Japanese White
- " 37 Lilium, Henryi
- " 38 Lily, Gold Band
- " 40 Lily, Calla

Section No. 4—FLOWER ARRANGEMENT SECTION—AMATEUR AND JUVENILE ONLY

29 CLASSES TO CHOOSE FROM

The juveniles competing in this division must be under 16 years of age.

Juvenile exhibits judged separately from amateurs.

Division E Awards—JUVENILE

Duplicate awards as for amateur. See below.

Division E Awards—AMATEUR

Sweepstake winner of each section, one to four, will be awarded first, second and third place trophies in each section.

Each class winner from one to seventy-two, in which four or more entries are made, will be awarded first, second and third place ribbons in each class.

DIVISION F

FUCHSIAS

Amateur and Commercial Listings are identical. Commercial Listings Carry the Letter "C" on Entry.

- Class 1 Trailing Fuchsias, Single varieties
- " 2 Trailing Fuchsias, Double varieties
- " 3 Upright growing Fuchsias, Single var.
- " 4 Upright Growing Fuchsias, Double varieties
- " 5 Tree Fuchsias, Single varieties
- " 6 Tree Fuchsias, Double varieties
- " 7 Flower arrangements of single varieties with or without foliage and/or accessories
- " 8 Flower arrangements of Double varieties with or without foliage and/or accessories
- " 9 Most artistic general display of Fuchsias
- " 10 Largest Fuchsia bloom in the show
- " 11 Smallest Fuchsia bloom in the show
- " 12 Most artistically grown Tree Fuchsia
- " 13 Most artistically grown Espalier Fuchsia
- " 14 Best and most artistic Fuchsia design composed of blossoms arranged in patriotic colors
- " 15 Corsage for Bride with corsages for Bridesmaids. Complete wedding bouquet
- " 16 Wedding bouquet for Bride only

- Class 17 Most attractive and artistically arranged design using Fuchsia blossoms only. No foliage or accessories.
- " 18 Most attractive and artistically arranged design using foliage and figurines and any accessories

PREMIUM LIST AND RIBBONS FOR DIVISION F

First, Second and Third Prize Ribbons will be awarded for all entries number 1 to 18, inclusive.

A trophy will be awarded for the most artistic general display of Fuchsias, entry No. 9.

An award of \$5.00 cash will be awarded to the winner in entry No. 14.

An award of \$5.00 cash will be awarded to the winner in entry No. 12.

An award of \$2.50 cash will be given to the winner of entry No. 10.

All entries must be in place by 10:00 a. m., August 14th, 1947.

General rules and regulations of the show govern this division.

Prizes for Commercial and Amateur exhibits are identical.

DIVISION G

ORCHIDS, COMMERCIAL AND AMATEUR GROWERS

Amateur and Commercial Listings are identical. Commercial Listings will carry the letter "C" after Entry Number.

- Class 1 Group of Orchid plants in bloom. Best general display.
- " 2 Most artistic display using potted plants and foliage. Ornamentals permitted for effect.
- " 3 Arrangements in orchids with or without foliage or accessories, optional with exhibitor.
- " 4 Group of Cymbidium plants in bloom; best general display.
- " 5 Most artistic display using potted plants and foliage. Ornamentals permitted for effect. (Cymbidiums).
- " 6 Arrangements in Cymbidium with or without foliage or accessories, optional with exhibitor.

Premium List and Ribbons for Division G

First, Second and Third Prize Ribbons will be given in each class No. 1 to No. 6.

A trophy will be awarded to the winner of the best general display of Class 1 and 4.

First Prize Winner in No. 2, will receive \$25.00 Government Savings Bond.

First Prize Winner in No. 4, will receive \$25.00 Government Savings Bond.

A trophy will be awarded the winner of No. 5 entry.

**INFORMATION REGARDING CLUB BOOTH
EXHIBITS AND COMMITTEE BADGES**

CLUB BOOTH EXHIBITS. Exhibitors will be able to set up their displays after 9 a. m. on August 13th. The Auditorium will remain open all night for installation of Club Booth. Judging begins at 10 a. m. August 14, 1947.

ANY NUMBER OF WORKERS may assist in this work and no badge or ticket is necessary on August 13th. We suggest that a committee of eight be appointed to take care of booth during the show. This committee will be given badges which entitles them to go in and out at will.

INDIVIDUAL EXHIBITORS bringing 3 or less potted plants or flowers for class exhibit will have special tickets costing 75 cents.

INDIVIDUAL EXHIBITORS bringing 5 or more potted plants or flowers for class exhibit will receive free committee badge.

A **SPECIAL COMMITTEE** will be available to assist the amateur or novice to name his plants and to offer suggestions on best method of display.

INDIVIDUAL EXHIBITS of Begonias not in booth exhibit will be received from 7 a. m. until 10 a. m. on August 16th.

CLUB MEMBER TICKETS. A two day season ticket is available to *club members* and their *immediate family* for \$1.50 tax paid. These tickets are not available to the **GENERAL PUBLIC.**

SIZE OF BOOTHS. The size of the booths are 10' x 10'. To determine how large an area this is, measure out a space this size on the ground and then make your plans accordingly.

OFFICIAL ENTRY BLANK SHOWING BOOTH LOCATION NUMBER WILL BE SENT TO YOU ON REQUEST.

If further information is desired drop a card to 6138 Orange Avenue, Long Beach, Calif., and we will be glad to answer all questions.—Pacific Flower Shows, Inc.

MEN IN NAVAL HOSPITAL NEED REX BEGONIAS

Mr. Herbert Dyckman, the founder of the A. B. S., has made an open request for donations from all who have little REX begonia plants to spare for the men in the Long Beach Naval Hospital. There are 31 wards and a central Solarium which means that about 50 plants can easily be accommodated. If there are any left over they can be housed by Messrs. Dyckman, Rownds, and Taylor to take care of replacements as occasion may demand, or take the plants directly to the Naval Hospital, 141 W. 53rd, North Long Beach, Calif.

BEGONIAS
REX — FIBROUS — TUBEROUS
SHADE PLANTS
We ship anywhere — Price Lists
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IMPATIENS
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This beautiful new Impatiens makes a rounded bushy plant, 2½ ft. in diameter and just as tall, with large, shiny foliage of Oliveri type and lovely shell pink flowers from February to December. Grows wonderfully well in shade or part sun.



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Begonias **Camellias**
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- 1 ACIDINE—Overcomes soil alkalinity and lowers the pH to a point within the optimum range of acid loving plants.
- 2 ACIDINE — Loosens the soil and makes plant foods available to the feeder rootlets.
- 3 ACIDINE — Kills snails and slugs on contact and is non-injurious to children or pets.

CONDITION YOUR SOILS NOW FOR FALL PLANTING

AVAILABLE AT LEADING SUPPLY DEALERS

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Ferns, Coleus, Ivy, Saint Paulia Violets, And Other Shade Plants

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3569 Atlantic Ave.....Long Beach 7, Calif.

Begonia Quiz Program

By Charlotte M. Hoak, So. Pasadena, Calif.

- 1—Give a definition of the word *rhizome*.
- 2—Name three begonias belonging to the rhizomatous group.
- 3—What begonia answers to the following description?

Belongs to the rhizomatous group, the shining, smooth green leaves are spotted irregularly with yellowish white. At the junction of the stem and leaf there are from two to four collars of fleshy red hairs tipped with white and on the underside of the leaves the same kind of hairs appear on the veins. In late winter and early spring pendulous, lacy sprays of pale pink flowers stand up above the foliage. The short, undulate-ovate leaves are edged with a faint line of red and short fringy white hairs.

- 4—Which is more rare, the species or the varietal form?
- 5—What are the other names for *B. Fire-flush*?

6—What is the name of the first begonia introduced into the gardens of Europe? Is it still in cultivation?

7—Name three good hanging basket begonias.

8—What constitutes a good spray for begonias. Name one.

9—Name the most popular star begonia.

10—Name three outstanding fibrous-rooted begonias.

11—What group is called the Florists' begonias? Name three.

12—To what group does the Calla Lily begonia belong? Why the name?

How many of the questions can you answer off-hand?

Write your answers and grade them. Afterwards turn to page 164 of this issue to check. 12—Excellent. 9—Good. 8—Fair.



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Sat., KECA, 8:45 A.M.

Contains Natural Organic Nitrogen

This element, abundant in Likwid GRO, is the best form of nitrogen for plant life. Ask your dealer about Likwid GRO today.

Price: 1 qt., 75c; 1 Gal., \$1.75

PESTLESS PRODUCTS CO.
PASADENA 2, CALIFORNIA

SOME FIBROUS AND SEMI-FIBROUS BEGONIAS

By Mr. and Mrs. Hugh W. Hixon, Long Beach, California

(Mr. and Mrs. Hugh Hixon command our admiration for their consistent support of the culture of BEGONIAS in Southern California and particularly in Long Beach. For years, they have attended the meetings of the divers Branches always with a view to doing something to further the cause of the American Begonia Society. Mr. and Mrs. Hixon have always been leaders in growing "little ones out of big ones" for greater dissemination of our beautiful begonia plants; giving materials, time and effort lovingly at all times. Due to enforced curtailment of activities, these two champions of Begonias have had to let their friends have the greater part of their plants. The following are some of their foremost favorites; the Editor had to plead at length to get these modest but very active members to list some of their preferred "easy ones," twenty-four of them, but their collection numbered many, many more).

First of all, let us state emphatically, that climatic conditions, plus soil and water, either stimulate or retard the growth of plants but particularly is this true of begonias. With this in mind, allowances have to be made in the comparison of sizes of plants from other parts of the country to those we grow in Southern California. "Tall," and "bushy" might mean two or three feet to you and four, five or six here. The twenty-four plants listed are practically easy doers, and almost anyone should succeed with them.

1—B. Houghtoni, a valuable winter bloomer. The leaves are always attractive and decorative with their coating of hair and red veins on the underside. The long stemmed white blossoms are also softly hairy. The plant is bushy and attains tallness easily. Try them from cuttings.

2—B. Corallina Delucerna is a very hardy plant, its commonness detracts not a whit from its dependable beauty outdoors at all times of the year. The green leaves spotted with white have the "Angel-wing" formation, wide at the top and pointed, that is so well known. The great bunches of coral-red flowers may be enjoyed for the greater part of the year. It is definitely a tall grower, and calls for pruning after its biggest blooming is over to keep it from getting woody. The cuttings grow easily. The Palos Verdes Begonia Farm have many of these over ten feet high. Some of the home gardens use them for hedges on the north and east of buildings.

3—B. Jessie, (*phyllomaniaca*) is another tall one. It makes handsome plants in most

localities, and very beautiful tub-subjects. The pretty, and colorful leaves are enhanced with a blooming of pink flowers in clusters very early in the year.

4—B. Loma Alta is one of the begonias with large, round-pointed leaves not so hairy as B. Scharffiana. The green of its leaves is that of dark cress with purplish red on the underside. It carries small upright blooms.

5—B. Duchartrei may be classed with B. Houghtoni and B. Haageana for they are of a type. The leaves are larger, of a lighter green with red veins. The very large blooms stand out beautifully on their long stems.

6—B. fruticosa is very showy, especially when it is in bloom in the summer with its white, or tinted flowers. It is a basket type with leathery foliage in bronze-green with very dark red coloring underneath.

7—B. Mrs. Wallow is another background plant since it gains quite a height. The narrow, pointed, dark green leaves are red underneath with short white hairs and ruffled edges. The pink blossoms are held on rather short stems.

8—B. Nelly Bly is really a hardy one. The bushy growth of about three feet may be seen in most begonia gardens but it is always a good-looking plant with anything like attention. The hairy, dark green leaves have large notches on the edges, tinted red underneath. The blooms are kept pretty close to the stem.

9—B. Haageana is very simple to grow. It may be trained to be bushy or tall at will. The white blooms in large bunches have a reddish cast and are very hairy on long red stems. It is similar to B. Houghtoni.

10—Dorothy Grant is so simple of culture that it should be in all shade gardens as a tall type. Its olive-green roundish leaves are very red underneath, making it very decorative at any time, which is a good thing since its pinkish flowers in small clusters on rather long stems are somewhat shy bloomers.

11—B. Thurstoni is comparable to Dorothy Grant in growth and habits. It may be relied on for good performance at all times and a very nice plant when in bloom through the summer and fall.

12—B. Evansiana makes itself at home in almost any lathhouse. It is hardy and comes up as a volunteer after it has found itself in a happy place. The leaves of light green have red veins. The flowers are of a candy-pink in small bunches and bloom through the summer and early fall. The little bulblets will drop where you least expect them. A fine "floor" plant for the lathhouse.

13—*B. weltoniensis*, a bushy, "maple-leaf" variety with light green leaves and red-jointed stems makes a fine summer blooming plant. The pink flowers are very nice.

14—*B. multiflora rosea* starts blooming in mid-spring with some encouragement and goes on through the summer as a very lovely basket type or potted in shallow pans or on the ground. The leaves are small and bright green edged with red and the brilliant red flowers come along singly on each branch tip.

15—*B. Mrs. Waterlow (Digswelliana)* is hard to beat as a potted plant, for baskets or bedding purposes. In bloom or out, it is attractive with its small, glossy, pointed, ruffled-edged leaves. The cherry-red buds are heart-shaped, the flowers give the effect of several shades of pink and red practically all the year. It should be called "The lathhouse joy."

16—*B. metallica* has silvery-green leaves that are very hairy, with darker veins. The tall plant is offset with the reddish-pink flowers on long stems. The red spiders seem to like this plant uncommonly well and if it is not cared for adequately rust may develop too, but the plant is entirely worth the little trouble necessary for its "housekeeping."

17—*B. Scharffiana* is not grown for its in-

significant flowers but for the very attractive, thick, round, plushy leaves the slight points of which are inclined to ruffle. They are deep red on the reverse with very red stems. The ivory flowers are slightly tinted with the red hairs at the base. It is a MUST-HAVE.

18—*B. argenteo-guttata* is another that one must not miss. It may be trained in various ways and it is equally happy indoors or out though inside it should be given a sunny location. The slightly toothed green leaves are daintily spotted with white and the flowers are of a pretty pink. The Hollywood Begonia Show had a magnificent specimen trained as a PEACOCK'S open tail and all it seemed to lack was the head of the bird. It covered and overhung a regular card-table against a gleaming white wall.

19—*Abel Carriere*. A branched *Rex*—useable for several purposes. The silvery, round, slightly pointed leaves have decided green markings. The flowers are infrequent and not showy. This makes a beautiful potted plant or basket.

20—*B. President Carnot* is quite similar to *B. Corallina Delucerna* but its leaves are unspotted except when young and they are of a bronze-green. This is a summer and autumn bloomer with brilliant red flowers in large bunches which render the plant very effective and decorative.

21—*B. Margueritae* makes a nice bushy, upright plant with hairy foliage. The flowers are pink-tinted. This is found in most small collections as it is an old reliable.

22—*B. nitida*, as the name implies, has glossy foliage, green, round in form and heavily veined. The bushy nature of the plant is very useful especially as it carries large bunches of delicately scented small flowers on medium stems. It is one of the best.

23—*B. Scotch luxurians*, a rapid grower for quick effect has soft, gray-green velvety leaves with a blooming that lasts well of small bunches of white flowers on long stems.

24—*B. rosea gigantea* is a handsome old timer well described by its name. Large, with a generally rosy look to it due to the deep rose blooms in large bunches held upright and a red spot where the petiole of the large, round, glossy foliage joints the stem.

All these are readily propagated from cuttings, some of them from leaves. They are simple of culture and generally satisfactory even with the ordinary amateur and may be breath-taking in effect when at their best under the seasoned grower's care.

We hope every member will achieve this collection soon.

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SAINTPAULIAS

Pollenizing, Vegetative Propagation and Growing Them From Seed

Excerpts From Round Robin No. 4

Notes by Estelle Padrick, Jacksonville, Fla.

The Saintpaulia or African Violet is not a true violet. It is a summer blooming tropical plant native to East Africa and is quite hardy. The species is Saintpaulia Ionantha. It has long petioled leaves and loose cymes of several flowers on succulent stems that rise just above the foliage to display the blooms well. Saintpaulias are not temperamental. They only need consistent care, proper soil, light, water and mild temperature. They will not do well in drafty spots, they require good drainage and moist soil, plenty of light but will burn in full sun. Top watering is apt to cause leaf rot, they should be watered from the bottom. They need good soil, leaf mold is good, and a feeding of liquid fertilizer every few months is necessary.

Saintpaulias can be grown from seed though propagation by leaf cuttings is quickest and easiest. Put the leaves in clear water, stems only touch the water, the leaves must be kept dry. A narrow necked bottle is best. Roots form in three to five weeks and should stay in the water until small leaves form. This takes about three months. Blooming plants will be had in from six to eight months.

Leaves can be propagated in soil or sand but it takes much longer to get a blooming plant.

(Gloxinias can also be propagated in clear water in the same manner as the Saintpaulias).

Selection of strong, good plants for seed parents is imperative. Choose plants that can be stopped from further blooming while seed pods are maturing. When seeds set, blooming stops. It is not necessary to raise many seed pods for your own planting but you can sell them easily if you wish—or share with others by exchange.

Select as many good fully developed flowers (not more than one to a spike) as you wish to pollenize, using tweezers, carefully pinch out anthers (two yellow pollen bearing organs). Be very careful not to touch the pistil. If you wish to pollenize another plant put this pollen aside on a saucer where you won't lose it.

Select your pollen parent flower, using the tweezers, take the anthers from it. You will find the anthers rather solid and the sack must be crushed open gently to expose the pollen. You can use a tiny camel's hair brush to transfer the pollen, but try holding the anther so the pollen may be touched to the end of the pistil of the seed parent flower until you can see the pollen lodged on it. Save the pollen

and cover it with a glass and use it again the next day. You can pollenize the two flowers making a double cross. You will see the growth of the seed pod in a few days and it will continue 'till the seed pod is almost as long as a pansy seed pod, but not so fat. If you do this you will find at least fifty seeds to a pod. Count the little plants, it will be easier than counting the seeds.

Use a glass jar that can be covered, put in 2½" of finely sifted, sterilized soil, moisten by spooning boiled water against the inside of the jar, letting it gently seep through until soil is well moistened. Scatter the seed carefully so plants will be about half an inch apart if possible. When the third pair of leaves appear, transplant to small trays. Zinc canning jar lids with five small holes punched in, so you can water from the bottom, are good. Fill with soil to the top of zinc lid, 6 to 7 plants to a lid until they have eight leaves, then pot in two inch pots. You can avoid too frequent watering—the little containers may be placed in a large glass jar turned on its side or an aquarium if you have one. They will stand a lot of light from the very first and while in the little flats a little sun through a curtain.



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ROUND ROBIN NEWS

By Frances Downing, Bowie, Texas

Many of the clubs that started for beginners are now ready to be classed as **ADVANCED GROUPS**. The Directors guide each individual that is ready for advancement to a more learned group. These members have learned to grow many kinds of begonias successfully, a feat which usually requires several years of persistent effort. The advanced member knows her begonias by their true names and the collection is usually quite a large one, also, the growing of begonias from seed has become a matter of course. Now more selective work will be done and hybridizing will be in the offing. The Directors welcome beginners for these will be the well-versed growers of tomorrow.

At present we are considering the problems of wintering our begonias for whether it will be in a greenhouse, the windows of the home or in a lathouse in California or beneath the tropical trees in Florida the winter season calls for specialized care. Many are successful in bringing their collection through safely, but many also are the casualties. We must learn more and better cultural ways and means—hence "in unity (of purpose) we have strength" (With apologies to the Union of South Africa for using her motto).

A Pelargonium Robin has been asked for.

The Perennial Robin is studying the care of perennials through the colder months.

The Pansy, Viola and Violet Robin is looking for new members. These Correspondence Clubs are being conducted lovingly solely for the benefit of the American Begonia Society members and friends. They are *your clubs*. Write me your suggestions for still better and finer results.

AUGUST FLOWER SHOWS

August 9-10. So. Alameda County Branch, Mt. Eden School Branch, junction San Mateo Bridge and Hesperian Road, 2 miles south of Hayward, Calif.

August 14, 15, 16, 17. Long Beach Flower Show, Municipal Auditorium, held in conjunction with the **NATIONAL CONVENTION OF THE AMERICAN BEGONIA SOCIETY**, under supervision Pacific Flower Shows, Inc., 6138 Orange Ave., Long Beach 5, Calif.

August 23-24th—Inglewood Flower Show, Inglewood High School. Sponsored by Dahlia and Flower Society.

August 27th—San Francisco Annual Flower Show, City Hall Rotunda. (A. B. S. members exhibiting).

THIS IS HOW I DO IT

Cuttings and Fertilizing

By Dorothy Bayliss, *secy-treasurer,*
Southern Alameda County Branch

Frances Downing asked me to write full details on how I grow tuberous seedlings and my method for starting tubers. These subjects have been covered, time and time again, and my manner would only be "another method."

I say "another method," because it seems there is no set procedure for either seed starting or tubers. Each begonia grower uses the method proved most successful by actual experience or from the equipment he has at hand to work with.

With the continued rise in price each year of both tubers and seeds, due to the great demand of both, also to rise in labor costs, the starting of plants from cuttings is well worth the effort, if you have a choice plant and want to preserve the exact strain. Or, if the desire to just grow begonias whets your appetite, and you have more time than money, and a large garden bed you want to fill, taking cuttings from growing tubers should entice you.

A well grown tuberous plant should have only one main stalk, two at the most if you want large beautiful blossoms. So when the shoots have grown to two or three inches they may be removed by several ways and made to grow into blooming plants, forming at the base, a small tuber which will increase in size, year to year.

A shoot may be taken by two fingers, holding the plant steady with the other hand, and in a round-about swing, several times, the shoot will break away from the tuber, retaining at its base a "heel" off the tuber. This may be dipped in rootone and planted in a mixture of sand and leaf mold, dampened but not too wet.

Another method is to take hold of the shoot with the fingers of the left hand, and with a sharp knife blade the shoot may be cut from the tuber taking only the basal ring. Both the cut on the tuber and the cut end of the shoot should be dipped in sulphur or charcoal to prevent decay. With bottom heat, cuttings should root in a few weeks and in no time grow into blooming plants. Some advise to remove all buds from the cuttings for the first year.

Fertilizing—

If well grown specimen plants are desired, additional feeding will be required, other than what food is or has been made available in the growing mixture.

The appearance of the first buds is usually the time to fertilize. If fish meal is available, I have found this gives the quickest and best

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results. Providing you don't mind the smell for a short time, and if plants are grown where the neighbors and your cats can be kept away. I make a shallow ditch around the edge of the pot, and make a light sprinkling of fish meal, or what fertilizer you decide to use, and cover again with the potting soil. Water well. With several applications of weak manure tea later, how can you help having beautiful blooms, if all other growing conditions are to the plant's liking. I might add, parenthetically that some "experts" have raised their eyebrows at the success I have had thus far as regards to both size and profusion of bloom and good, healthy plants.

CONDENSED MINUTES
National Board, A. B. S.

Clark Hotel, Los Angeles, Calif., June 23, 1947
Meeting called to order at about 8 p. m. President Lawrence presiding.

Present for the meeting: Messrs. Lawrence, Walton, Dere, Dr. Drummond; Mesdames Wilkes, Jenks, Hartwell.

Branches represented — Inglewood, Hollywood, Glendale, San Gabriel Valley, Parent Branch, North Long Beach Branch, Pasadena.

Minutes meeting May 26th read and approved; reports of Editor, Membership Fees, and Treasurer read and on motion approved as read and ordered filed as part of the minutes.

Motion by Mrs. Wilkes; second Mrs. Kortz— That we purchase sufficient heavy enameled paper to make at least five copies of all the useable cuts we have on hand; each cut to have a number; \$10.00 to cover the expense of the paper; Dr. Drummond and Capt. Dere to attend to the printing through the cooperation of the El Monte Press; new pages to be made every 3 months thus keeping the file up to date at all times. This, it was pointed out, would greatly facilitate setting up copy for the Begonian each month and save much time. Carried unanimously.

Branch Reports

Mrs. Kortz announced Glendale was taking a booth at the Show. Mr. Lee their last speaker. Good attendance and interest.

Miss Callon for Hollywood; Taking a booth at the Show and plans well in hand.

Mr. Dyckman spoke of a plan he had in mind and asked that any members wishing to do some altruistic work take part in helping to place at least two rex begonias in 5 or 6 inch pots in each of the 31 wards in the Naval Hospital at 141 West 53rd St., North Long Beach. The patients in the wards are very much interested in having some rexes and would give them care and attention and he felt it would give them a great deal of pleasure and interest. This met with universal approval and several of the representative directors present immediately offered plants. Contact Mr. Dyckman, Mr. Rownds, or the Naval Hospital for more details.

Mr. Rownds and Mr. Taylor spoke for the Flower Show and Annual meeting and stated they intended sending more information to the Branch Secretaries very shortly; send in your banquet reservations as promptly as possible as August 5th is the deadline; plans well in hand and coming along nicely; much interest; good hotels nearby for those wishing such accommodations; branches desiring booths must get in their bid very soon; want plenty of individual specimen plants which will be judged Saturday morning and can then be replaced in the booth. Ask your Branch Secretary for more detail and watch the Begonian carefully. Admission to the Show for public, \$1.00. For A. B. S. members \$1.50 for 2 days or 75c each day. These tickets only available from sec. of own Branch. Want this to be an outstanding Annual Meeting and Flower Show and want the cooperation of all members.

Nominating Committee handed in their report— See the July Begonian for ballot and be sure to vote and mail in ballots promptly.

Mrs. Carrell authorized to have badges made for members of the Armchair Explorers, as per her letter of recent date.

Meeting adjourned to meet again, same place, same time July 28th—4th Monday of the month. Respectfully submitted, Gonda Hartwell, Corres. Sec.

Answers to the Quiz Program

1—A rhizome is an underground stem with roots on the underside.

2—Three rhizomatous begonias: *B. manicata aureo-maculata*, *B. ricinifolia* and *B. Feasti* (*B. erythrophylla*).

3—*B. manicata aureo-maculata*.

4—The species is more difficult to get.

5—The other names for *B. Fireflush* are *Baron Rothschild* and *Bettina Rothschild*.

6—*Begonia nitida* in 1777. It is still popular.

7—Three good hanging basket begonias are: *B. Suberlandi*, *B. dichroa* and *B. Limminghei* (*B. glaucophylla*).

8—A minimum amount of oil. The Orchid Spray.

9—*Begonia Sunderbrucki*.

10—Three outstanding fibrous-rooted begonias are: *B. Thurstoni*, *B. Templini* and *B. Mrs. Wallow*.

11—The semperflorens group. Carmen, Indian Maid and Vernon.

12—The semperflorens group. The tip variegated leaves are shaped like a miniature calla.

B. MAZAE

(From Page 152)

their greatest width.

The type specimen was introduced in 1946 by Mr. T. MacDougall from Rancho Aguajito only at "Pico Carrizal" on the upper slopes of a hill at the 2000 ft. elevation in the Ocozacoautla rain forest in the state of Chiapas, Mexico. The Rancho is two miles northeast of Filadelfia which is half way between Ocozacoautla and Quechula. Don Lisandro Maza, who owns Rancho Aguajito found the plants and planted some of them in pottery bowls around his town house and it is in his honor that we name this exceedingly beautiful plant.


COMPOSTING

(From Page 149)

ials laid in evenly and firmly; 4th, a layer of crushed, wet nettles and a sprinkling of soil for each foot of depth.

5th, A two-inch layer of animal manure when the heap is about two feet high; 6th, Sprinkling of quick lime on the vegetable matter at intervals of a foot to eighteen inches.

7th, Conserving of heat by a cover of sacks laid on the heap at the time of building. 8th, A final soil covering of four inches; 9th, After settling for two or three days the herbal "activator" is added according to directions on the package which contains enough to treat four heaps six feet square. This is made of medicinal weeds similar to those used by the Bio-dynamic method but different formulas. The herbal activator is now available in the United States with explicit instructions, which followed faithfully, eliminates further work and tiresome turning. One of the most enlightening books ever published for the benefit of the home gardener is Miss Bruce's pamphlet of 92 pages. It contains much food for thought resulting in better food for all.



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Meeting Dates and Places

The next meeting of the American Begonia Society Board will be held in the Municipal Auditorium, Long Beach, California, at 10:30 a. m. and 3 p. m.

FOOTHILL BRANCH

1st Friday, August 1st, 8 p. m.
Woman's Club House, 1003 Azusa Ave., Azusa.
Mrs. James M. Reed, Secretary
643 No. Wabash Ave., Glendora, Calif.

BELFLOWER BRANCH

1st Monday, August 4th, 7:30 p. m.
Washington Street School Cafeteria
Sec.: Mrs. Edna Leistner, 610 Nichols St., Belflower, Calif.

THEODOSIA BURR SHEPHERD BRANCH

1st Tuesday, August 5th, 7:30 p. m.
Alice Bartlett C. H. 902 E. Main, Ventura, Calif.
Mrs. Harry Meyer, Secretary, 111 Leighton Dr.

SAN FRANCISCO BRANCH

1st Wednesday, August 6th, 7:45 p. m.
American Legion Hall, 1641 Taraval St.
Sec.: Mrs. Walter Ashe.
1855 - 33rd Ave., San Francisco 22, Calif.

SANTA MONICA BAY BRANCH

1st Wednesday, August 6th, 7:30 p. m.
University High School Horticulture Dept.
11800 Texas Ave., West Los Angeles
Mrs. Denman Bemus, Secy-Treas.
345 So. Santa Anita Ave.
Brentwood, Los Angeles 24, Calif.

ORANGE COUNTY BRANCH

1st Thursday, August 7th, 7:30 p. m.
Farm Bureau Hall, 353 So. Main St., Orange.
Doris Burdick, Sec.-Treas., Rt. 4, Box 296,
Anaheim, Calif.

CALIFORNIA HEIGHTS BRANCH

2nd Friday, August 8th, 7:30 p. m.
Members' Homes
Mrs. Esther L. Randall, Sec., 3638 Cerritos Ave.
Long Beach 7, Calif.

SEQUOIA BRANCH

2nd Friday, August 8th, 8 p. m.
Members' Homes
Mrs. Albert Lowery, Secretary
620 W. Grove St., Visalia, Calif.

INGLEWOOD BRANCH

2nd Friday, August 8th, 8 p. m.
325 No. Hillcrest, Inglewood, Calif.
Mrs. Laura Crandall, Secretary
2730 Redondo Blvd., Los Angeles 16, Calif.

LA MESA BRANCH

2nd Monday, August 11th, 6:30 p. m.
La Mesa Grammar School, La Mesa, Calif.
Sec.-Treas.: Dr. Constance Holmes
133 Prescott, El Cajon, Calif.

NORTH LONG BEACH BRANCH

2nd Monday, August 11th, 8 p. m.
HOUGHTON PARK CLUB HOUSE,
HARDING & ATLANTIC, NO. LONG BEACH
Mrs. Harry H. Boyd, 5670 Walnut Ave.
Long Beach 5, Calif.

HUMBOLDT COUNTY BRANCH

2nd Monday, August 11th, 7:30 p. m.
Lanes Memorial Hall, 1st Christian Church
Sec.-Treas.: Dorothy Lark
Box 16, Scotia, Calif.

PASADENA BRANCH

2nd Tuesday, August 12th, 7:30 p. m.
Pasadena Public Library
Lester F. Harrell, Sec.-Treas.
668 Bellefontaine St., Pasadena, Calif.

RIVERSIDE BRANCH

2nd Wednesday, August 13th, 8 p. m.
Mrs. T. W. Gall, Sec.-Treas.
4518 Bandini Ave., Riverside, Calif.

HOLLYWOOD BRANCH

2nd Thursday, August 14th, 7:30 p. m.
Plummer Park, 7377 Santa Monica Blvd.
Mrs. Vera Lynde, Rec. Sec.
1030 N. Orange Grove Ave.
Los Angeles 46, Calif.

SANTA BARBARA BRANCH

2nd Thursday, August 14th, 7:30 p. m.
Community Institute Centre
Room 5, 914 Santa Barbara St.
Santa Barbara, Calif.
Mrs. E. H. Mercer, Secretary
2019 Bath St., Santa Barbara, Calif.

EVA KENWORTHY GRAY BRANCH

3rd Monday, August 18th
Community House, LaJolla
Tillie Genter, Sec.-Treas.
7356 Eads St., LaJolla, Calif.

SO. ALAMEDA CO. BRANCH

3rd Thursday, August 21st, 8 p. m.
Scout Room, Markham School, Hayward, Calif.
Sec.-Treas.: Mrs. Dorothy Bayliss
26706 Monte Vista Dr., Hayward, Calif.

NEW YORK SUBURBAN BRANCH

2nd Sunday, September 14th, 1947.
Parish House, St. John's Episcopal Church
Colonial Heights, Tuckahoe, N. Y.
Sec.-Treas.: Mrs. Norman Hedley
71 Willard Terrace, Stamford, Conn.

PHILOBEGONIA CLUB BRANCH

Irregular Meetings
May T. Drew, Pres.
Box 331, Narbeth, Pa.

ALFRED D. ROBINSON BRANCH

4th Friday, August 22nd, 7:30 p. m.
Loma Portal School
3341 Browning St., San Diego, Calif.
Mrs. J. P. Stibolt, Secretary
3738 Wawona Drive
San Diego 7, California

SAN DIEGO BRANCH

4th Monday, August 25th
Hard of Hearing Hall, 3843 Herbert Ave.
Mrs. A. P. Carlton, Sec.-Treas.
624 Arroyo Dr., San Diego, Calif.

MISSOURI BRANCH

4th Tuesday, Aug. 26, 2 p. m.
Mrs. Bruce Dill, Secretary
3715 Harrison, Kansas City, Mo.

MIAMI, FLORIDA, BRANCH

4th Tuesday, August 26th, 8 p. m.
Simpson Memorial Garden Center
Mrs. W. G. Coffeen
1742 S. W. 10th St., Miami 35, Fla.

WHITTIER BRANCH

4th Tuesday, August 26th, 8 p. m.
Union High School, Room 19
Lindley Ave. Entrance, Whittier, Calif.
Madeleine Hall, Secretary
509 Friends Ave., Whittier, Calif.

EAST BAY BRANCH

4th Tuesday, August 26th, 7:30 p. m.
Council Chambers, Berkeley City Hall
Mrs. Emma Carlton, Secretary-Treas.
1430 Oxford St., Berkeley 9, Calif.

GLENDALE BRANCH

4th Tuesday, August 26th, 7:30 p. m.
329 No. Brand Blvd., Glendale, Calif.
Charles Richardson, Secretary
1441 Fairfield, Glendale 1, Calif.

MARGARET GRUENBAUM BRANCH

Mrs. W. E. Jones, Sec., Willow Grove, Pa.

SAN GABRIEL VALLEY BRANCH

4th Wednesday, August 27th, 8 p. m.
Masonic Temple, 506 S. Santa Anita Ave.
Mrs. Myrtle Jones, Secretary
132 May Ave., Monrovia, Calif.

SANTA PAULA BRANCH

4th Thursday, August 28th, 7:30 p. m.
Memorial Hall High School
Mrs. C. F. Crang
907 Pleasant St., Santa Paula, Calif.

LONG BEACH PARENT CHAPTER

Last Thursday, August 28th, 7:30 p. m.
Robert Louis Stevenson School, 5th and Atlantic
Cafeteria, Lime St. Entrance, Long Beach, Calif.
Sec.-Treas.: Mrs. E. G. Ar buckle
5932 Seville Ave., Huntington Park, Calif.

SANTA MARIA BRANCH

Sec.-Treas.: Mrs. Peter Mehlschau
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