

The BEGONIAN

Devoted to the Sheltered Garden

Index

	Page
RESOLUTIONS OF RESPECT FOR ALFRED D. ROBINSON	51
By Committee on Resolutions	
ANNOUNCEMENT EXTRAORDINARY - - - -	52
By J. L. Bailly	
IT DEPENDS ON US - - - - -	52
The Editor	
IN MEMORIAM: MRS. CARRIE IDA LAWLESS -	52 & 53
By Maria Wilkes and Rev. Arthur O. Pritchard	
BRANCH NEWS - - - - -	54
PRESIDENT'S MESSAGE - - - - -	54
RESEARCH DEPARTMENT: WATER - - - -	55
By Rudolph Ziesenhenné	
HISTORY OF BEGONIAS - - - - -	56
By Helen K. Krauss - - - - -	56
THE HABITAT OF BEGONIA OCTOPETALA -	57 & 58
By Clayton M. Kelly	
CALIFORNIA SPRING GARDEN SHOW - - -	59 & 60
By Harriette W. Bridges	
SACKS A PRECIOUS COMMODITY - - - -	60
By A. L. Dickenson	
PLANTLY SPEAKING—ON THE SHADY SIDE - -	61
By John S. Vosburg	
MEETING DATES - - - - -	62
POT CULTURE OF TUBEROUS BEGONIAS - - -	63
By Frank Reinelt	

The BEGONIAN

Monthly Publication of the AMERICAN BEGONIA SOCIETY

General Offices: 1050 E. 19th Street, Long Beach, California

Affiliated with the American Horticultural Society

● Annual Membership Fee: One Dollar per Calendar Year—seventy-five cents of which is for a year's subscription to THE BEGONIAN. Subscription to non-members, One Dollar a Year.

● Entered as second-class matter March 19th, 1941, at the Post Office of Long Beach, California, under the act of March 3rd, 1879.

● Founded by Herbert P. Dyckman, January, 1932 in Long Beach, California.

● Advertising Rates: \$1.50 per inch, one column wide. Three months discount of 10%, Six months less 15% and One Year less 20%. Seasonal changes allowed in contracts over three months. Closing date for articles 10th of each month, and 12th for Advertisement copy.

STAFF

MARIA WILKES - - - *Editor and Business Manager*
158 So. Oxford Ave., Los Angeles, Calif.

MARGARET C. GRUENBAUM - - - *Eastern Editor*
316 West Chew Street, Phila., Pa.

BESSIE R. BUXTON - - - *New England Reporter*
114 Central St., Peabody, Mass.

MRS. H. W. BRIDGES - - - *Representative*
1824 B. Street, Hayward, Calif.

MR. A. A. REMMERS - - - *Staff Photographer*
5734 Lucia Walk, Long Beach, Calif.

LIFE MEMBERS

MR. HERBERT P. DYCKMAN
Long Beach, Calif.

MRS. FRANCIS MYRTLE SHEPHERD
Ventura, Calif.

HONORARY MEMBERS

HIS GRACE THE DUKE OF WINDSOR
Los Cayos, Nassau, Bahamas

HER GRACE THE DUCHESS OF WINDSOR
Los Cayos, Nassau, Bahamas

OFFICERS

FERDINAND P. NEELS - - - - - *President*
426 E. Maple Ave., El Segundo, California

J. L. BAILY - - - - - *President Elect*
515 Hallwood Dr., El Monte, Calif.

J. N. NUTTER - - - - - *Secretary-Treasurer*

Membership Fees

1050 E. 19th Street, Long Beach, Calif.

MRS. A. N. HARTWELL - - *Corresponding Secretary*
1719 Alamitos Ave., Monrovia

R. C. ZIESENHENNE - - - *Research Director and
Nomenclature Chairman*
1130 No. Milpas Street, Santa Barbara, Calif.

HONORARY VICE PRESIDENTS

MRS. HENRY H. BUXTON - - - Peabody, Mass.
MRS. LEE KRAUSS - - - - - Wynnewood, Pa.
MRS. H. W. BRIDGES - - - - - Hayward, Calif.
DR. C. H. LAUDER - - - - - Arcadia, Calif.
MR. J. A. HAYDEN - - - North Hollywood, Calif.

Research Chairman

MRS. JOHN W. CROWDER - - - - - *Librarian*
1857 W. 166 St., Moneta, California

MRS. CLARISSA HARRIS.....*Seed Fund Administrator*
757 Athens Blvd., Los Angeles, Calif.

MRS. ANNA E. MAREK - - *Director Public Relations
and Flower Show Chairman*
604 No. Orange St., Glendale, Calif.

MRS. W. C. DRUMMOND.....*Chairman Speaker's Bureau*
2531 Michaelstovena, Los Angeles, Calif.

J. L. BAILEY.....*Chairman Ways and Means Committee*
515 Hallwood Dr., El Monte, Calif.

HERBERT P. DYCKMAN - - - - - *Past President*

MISS EDNA ZIESENHENNE - - - *Director one year*

DR. C. N. MOORE - - - - - *Director two years*

CLARENCE A. HALL - - - - - *Director three years*

HONORARY DIRECTORS

ALFRED D. ROBINSON FRANK REINELT
Point Loma, Calif. Capitola, Calif.

MRS. HENRY H. BUXTON GEORGE OTTEN
Peabody, Mass. Seaside, Oregon

T. H. GOODSPEED T. H. EVERETT
University of Calif. N. Y. Botanical Gardens

Berkley, Calif. E. D. MERRILL
Arnold Arboretum
Jamaica Plain, Mass.

MRS. EVA KENWORTHY GRAY
La Jolla, California



RESOLUTIONS OF RESPECT ON THE PASSING OF ALFRED D. ROBINSON

Honorary Director of the American
Begonia Society

It is resolved:

That the American Begonia Society extend to the family of the late Mr. Alfred D. Robinson, an esteemed member, the heartfelt sympathy of the society in their loss.

Although our good friend Mr. Robinson has passed on, his memory is eternally enshrined in the hearts of all begonia lovers. He sowed seeds for fifty years in the interest of begonias, and he reaped harvests of beauty, of scientific knowledge, and of friendly relationships with all sincere workers in the art of begonia culture.

His writing in *The Begonian*, and his addresses from time to time, by means of which his expert advice was freely given, have been enjoyed by all members. They have always looked forward with pleasure to our annual pilgrimage to the beautiful Rosecroft Begonia Gardens, so expressive of the richness of his character. They have appreciated his genial wit, his friendly greeting, and the inspiring words centered around his beloved plants. Those of us who have had the good fortune of talking with him, realize what a great help he has been in making the society a success.

It is further resolved:

That a copy of these resolutions be suitably inscribed and presented to Mrs. Annie C. Robinson, and that a page of our record be permanently set aside on which these resolutions shall be inscribed.

Edna D. Ziesenhenné

Lena Higgins

J. S. Williams

Committee on Resolutions

Robinson Noted for Culture of Begonias

(Reprint from Tribune-Sun, San Diego, Calif.)

• Alfred D. Robinson, 75, of 530 Silvergate Ave., world authority on the cultivation of begonias, whose Rosecroft Begonia gardens, on Pt. Loma, for years have drawn flower lovers, died today. Funeral arrangements will be announced by Bonham Brothers mortuary.

A native of England, Robinson came to San Diego in 1905 from San Francisco, specializing as a nurseryman in begonias, of which he originated more than 100 new types. He was one of the founders of the San Diego Floral association and was founder and former publisher of "California Gardens."

Surviving are his wife, Mrs. Annie C. Robinson, and five children, Marjorie Louise, Virginia May, Alfred D., Margaret Ann and Richard Michael.

Robinson was honorary director of the American Begonia society and frequently contributed articles on begonia culture.

Announcement Extraordinary

by J. L. BAILY

Pres. Elect Ch. Ways and Means Comm.

• As a result of a recent meeting of the Ways and Means Committee Mr. E. C. Tyler, President of the Inglewood Branch, a prominent member of that Committee, appointed Mrs. A. N. Hartwell, Secretary of the American Begonia Society as special agent to accept subscriptions for any Magazine published.

Mrs. Hartwell is writing each Branch Secretary and sending a list of the various Magazines with prices thereof.

All subscriptions should be sent to your Branch Secretary, who will then send them to Mrs. Hartwell in order that any commission earned may be placed to the credit and benefit of the A.B.S. Since the cost of publishing *The Begonian* has increased very considerably, it is hoped that all members will cooperate in this drive to raise funds as the Board has taken this helpful means in order to avoid raising the subscription price of *The Begonian*.

Those members who do not attend meetings may also have the opportunity to assist the A.B.S. in its work and efforts to give members a better publication by writing Mrs. Hartwell, Secretary the A.B.S. 1719 Alamitos Ave., Monrovia, Calif., giving her the name of the Magazine to which they desire to subscribe and then send her the subscription directly.

• We have chosen our advertisers from the best in the land. They have what you need. Get acquainted with them one and all.

**Your New . . . Sure Source
for New and Unusual
Seeds and Bulbs**

ALSO AGENTS FOR SUTTON'S SEEDS

Better Gardens
"EVERYTHING TO MAKE THEM SO"

NEIL CAMPBELL & KIRBY LESH
2446 HUNTINGTON DR., SAN MARINO, CALIF.

Phone ATLantic 2-9104

• IT DEPENDS ON US . . . to show Mrs. Annie C. Robinson that her beloved and famous husband did not live in vain. The beauty he left behind him they created together. The reputation they gained together was built by their individual integrity and faith in each other. The shock that will reverberate throughout the world over the loss of the Dean of Begonia and Fuchsia men will, in turn, bring back to Alfred D. Robinson's widow the loving thoughts and the support of the legion of true and fine friends. "I will not leave you comfortless" . . . John XIV. 18

—The Editor

ACKNOWLEDGMENT

• May I express through these pages, my appreciation of the kind messages extended to me by the branches of the American Begonia Society.

—Annie C. Robinson

In Memoriam

• The Wistaria Vine, world renowned, beautiful beyond compare, is in bloom again but Mrs. Carrie Ida Lawless who devoted the last five years of her life to its greater development passed away just before color showed in the miriad of bursting buds of the dripping orchid-blue Chinese Wistaria. Mrs. Lawless was always intensely interested and active in Community, State and National beautification and conservation. Volumes could be written of her achievements. The multitudes who yearly flock to the shrine of beauty will remember her loving solicitude for their happiness. Years ago, she helped to plant many Jacaranda Trees in Sierra Madre. Just before her short illness, she started a project through the Sierra Madre Garden Club and the City Council to plant as many Orchid trees (*Bauhinia purpurea*) in the lovely little City as possible. The project is being carried on in her honor, thus in life as in death her beneficent influence will be enjoyed for many years to come. The following excerpts are quoted from the remarks spoken by Rev. Arthur O. Pritchard, one of her countless friends.

—Maria Wilkes



A. B. C's IN GREEN

Leonora Speyer

The trees are God's great alphabet;
With them he writes in shining green
Across the world His thoughts serene.

He scribbles poems against the sky
With a gay, leafy lettering,
For us and for our bettering.

The wind pulls softly at His page,
And every star and bird
Repeats in dutiful delight His word,
And every blade of grass
Flutters to class.

Like a slow child that does not heed,
I stand at summer's knees,
And from the primer of the wood
I spell that life and love are good,
I learn to read.

Finally as a consummation of her desire she acquired the Wistaria Vine and thus crowned her efforts with a superb contribution to our civic life. For years to come, Sierra Madre will enjoy the fruits of her labors as she definitely influenced the community interest in the beautiful. Several times in conversation with her, I felt that she went back of the plants and flowers to the Great Creator of all life. In short she realized that the God of Beauty must be reached through a world of beauty. I am sure she would agree with Dorothy Gurney in her poem, "The Lord God Planted a Garden."

• So far as I know, Mrs. Lawless did more for the beautification of Sierra Madre in the expenditure of time, thought, energy, and means than any other person. This interest began early. I am told that at the first meeting of the Woman's Club which she attended in the Old Town Hall the room had been profusely decorated with daisies, and that she exclaimed at the sight in admiration. For many years afterward she referred to this event with delight. Later through the Woman's Club, the Planning Commission, The Garden Club and in private conversations she worked constantly for the preservation of trees, the beautification of streets, and the development of private gardens. Many a plot has been enriched by her gift of flower, shrub or tree. In all of this, she herself learned what the poet has expressed in "A. B. C's in Green."

THE LORD GOD PLANTED A GARDEN

Dorothy Frances Gurney

The Lord God planted a garden
In the first white days of the world,
And he set there an angel warden
In a garment of light unfurled.

So near to the peace of Heaven,
That the hawk might meet with the wren,
For there at the cool of the even
God walked with the first of men.

And I dream that these garden-closes
With their shade and sun-flecked sod
And their lillies and bowers of roses
Were laid by the hand of God.

The kiss of the sun for pardon,
The song of the birds for mirth,
One is nearer God's heart in a garden
Than anywhere else on earth.

Hollywood Branch Officers

• Due to the very full-time defense employment of the President, Mr. Carl Hine, his resignation was reluctantly accepted by the Branch members at their regular meeting March 10th, and Vice-President Mr. W. Murray Hawkins was elected as President, Mrs. Mary Hazel Drummond as Vice President, Miss Helen Ehret Secretary, Dr. W. C. Drummond, Treasurer, and Mr. Wressey C. Cocke Executive Board Director. The 1st anniversary was celebrated with a lovely cake holding one candle following the Basket Supper. April Meeting: Since it has been decided to attend the very splendid Gardening classes held at Plummer Park every Tuesday evening and on regular meeting evening, the routine has been changed to meet at 6 p.m., April 7, at Plummer Park with a Basket Supper in hand. During the half hour available for a special Begonia program, Mr. Fred Willard, President of the Pasadena Begonia Society will speak on FERNS IN THE SHADE GARDEN, and How to Grow Them. Mr. Willard usually captures first prizes in several classes in shows in which he exhibits, therefore as a recognized Horticulturist of highest merit he should draw many visitors.

Pasadena Branch

• As we go to press, the Pasadena members are working hard at staging their Begonia display in the So. California Spring Flower Show at Brookside Park, Pasadena, opening from March 12th to 15th, inclusive. Last year this Branch obtained many new members, made friends with hundreds of visitors and listed interested guests from sixteen States and eighty towns. They are expecting even greater success this year. We wish them luck.

North Long Beach Branch Officers

• Meeting date changed to every Second Monday of every month. Next meeting to be held at 5662 Atlantic Ave., on April 13th. Mrs. Ruby Liedler, Pres.; Mrs. Gladys Bullard, Vice-President; Mr. E. A. Taylor, National Representative; Mrs. H. A. Cuyler, Sec.-Treas.

PRESIDENT'S MESSAGE

• Now, when our plants are begging for attention is the time for us to become seriously garden minded. This hobby of growing begonias requires vision and planning. If we are to have specimen plants in the summer and fall we must spend a little time on them in the Spring.

Put the tubers in flats of leaf mold and do not remove until there is a four inch growth; the roots will have developed fully by that time and there will be no set back in transplanting. If the fibrous Begonias have become straggly, prune them and add new compost to the beds. Repot the Rexes and make leaf cuttings. What better way is there to keep our lives as normal as possible than in helping nature with her work? A Joyous Easter to you all is the wish of your President, Ferd. P. Neels.

Officers of Palomar Branch

Mr. R. G. Hagar.....President
Mrs. J. M. Gillogly.....Vice-President
Mrs. E. A. Boillot.....Secy.-Treas.
Mr. A. G. Reese.....Nat'l Representative

• The following cultural bulletins will help you to know the facts essential to the successful propagation and care of your begonias:

"Fibrous Begonias"15c
"Rex Begonias"15c
"Fibrous Begonias"15c

Mail check or stamps to J. N. Nutter, Treasurer, 1050 East 19th St., Long Beach, California.

ROSECROFT BEGONIA GARDENS

530 Silvergate Ave., Point Loma, Cal.

Established in this one location
since 1902

A most complete assortment
of lathhouse subjects
BEGONIAS and FUCHSIAS
OUR SPECIALTIES

Proprietor
ANNIE C. ROBINSON

WATER, Second Installment

by RUDOLPH ZIESENHENNE
Research Dept., Santa Barbara, Calif.

IN addition to its important role of transporting the elements from the soil into the plant, where it is broken down in the process of photosynthesis, water is important for its maintenance of the upright position of the plant, water pressure preventing the succulent stems from collapsing, and making it possible for the leaves to develop and the flowers to open.

Out-of-doors, in areas where it is normally dry during the summer, a cloth house is usually required to grow the Rex-hybrids and tuberous Begonias to perfection. The muslin cloth admits air freely but tends to maintain a moist atmosphere by preventing the dry air outside from drawing the water out. In some areas where the atmosphere is naturally dry, begonias have been successfully grown by planting broad-leaved trees and shrubs which help to create a zone of moist air about the property; and too, in dry areas planted to alfalfa, oats, and similar crops, a moist atmosphere is created although the growing time of such crops is limited during the year.

The rapid movement of air around begonia plants breaks up the zone of humidity around the plants and causes the plants to give off water. For this reason a dry desert wind will do more damage than a moist one. Along the Coastal regions, or on the lake shores, a gentle breeze will prove very beneficial to the begonias, but because of the probability of occasional strong winds, which may tear up the plants, it is best to provide a wind break of some sort on the windward side of your garden or lath-house. Sometimes trees and shrubs will make suitable barriers against the wind. Burlap, flour or sugar sacking, or muslin will protect the lathhouse. If the wind is quite strong, wood, building paper or even glass may be necessary.

The temperature of the air also directly affects the loss of water from the plants. Warm air can retain more moisture than cool air and therefore the plants out-of-doors give off less moisture from the leaves during the winter months than in summer; consequently the plants will require less water then. During the summer plants in a position where there is little wind and the air is cool do not require water as often as the

plants which are exposed to the sun and wind.

The physical characteristic of plants also affects the loss of water. The moisture given off by begonias passes out of the undersides of the leaves through the little openings called stomata. A plant with many leaves will naturally be able to give off more moisture than a plant with few leaves and consequently will need more water. Plants with hairy leaves give off less moisture in a given location than hairless Begonia for they develop a zone of moist air within the reaches of the hairs.

Now let us look into the factors in the soil which affect the water intake into the plant.

The roots find more difficulty absorbing cold water than they do warm water; for this reason, cold water should not be used on Begonias indoors in winter. If cold water is used regularly, the plants may wilt because the rate of water absorption may be lower than the rate of evaporation. It is advisable, therefore, to apply water which has been warmed to the air temperature of the room or greenhouse. In Southern California some damage is caused to begonias during the winter months due to the cold soil and water, coupled with a drying wind. Evaporation from the leaves is more rapid than the water intake by the roots and while the main veins of the leaves are normal in appearance the leaf tissue between them as well as the smaller veins dry up, becoming dark brown or black in appearance.

Water is absorbed more easily from soils low in fertilizer materials than from soils with a high concentration of them. For this reason, during unusually hot, dry, or windy weather it is not wise to apply either liquid or dry fertilizer materials for they may prevent a sufficiently rapid intake of water to offset the loss due to unusually heavy evaporation.

• Due to an injury I haven't been able to walk, but have spent many enjoyable hours re-reading my two years' file of "Begonian." Such a wealth of information. I always read them from cover to cover when the mailman brings them, but I discovered so much of interest. Mrs. Clarence Moore, San Diego.

HISTORY OF BEGONIAS (continued)

by HELEN K. KRAUSS
Wynnewood, Pa.

DAVID CARL SOLANDER, a learned Swede and pupil of Linnaeus, became Banks' first librarian and curator, and made Linnaeus' work familiar to the people of England. Two *Begonia* descriptions by Solander were included in Dryander's "Observations on the Genus of *Begonia*." Solander originated the Solander case so dear to the hearts of rare book collectors.

Jonas Dryander, also a learned Swede, succeeded to Solander's position upon the death of the latter and wrote the first important paper, included in the "Transactions of the Linnean Society" published in 1791. It is said that Dryander could be seen daily in the library dissecting plants and accumulating knowledge which gained for him the reputation of being the first botanical physiologist in the world.

Dr. Robert Brown (1773-1858), Ensign in the English Navy, assistant Surgeon, and naturalist, became a distinguished botanist. Banks induced him to take charge of his botanical collection. When Dryander died in 1810 Dr. Brown became librarian also. When Banks died he left a vast collection of botanical and natural science material, books, etc., which was transferred to the British Museum. It took Dr. Brown three years to arrange and classify the collection for the Museum and was then appointed Keeper of it.

Wm. Kerr, a botanist and son of a nurseryman in Hawick, Eng., was engaged in transplanting English fruit trees and plants to China and Chinese fruit trees and plants to England under the protection of the East India Company at the suggestion of Jos. Banks. While in China he discovered *B. Evansiana*. The discovery of this *Begonia* is dated by some authorities as 1804 and by others as 1808. Since both schools attribute the discovery to Kerr it appears to be of small importance. The place of discovery is another matter. Kerr spent seven years in Canton and was then appointed Superintendent of the Botanic Gardens in Ceylon where he, after a short time, died of a tropical illness. Since his exploring was largely done from Canton we may assume that *B. Evansiana* was definitely discovered in China. Incidentally, the *Evansiana* motif

has been used extensively in Chinese porcelains, embroidered silks, fans, etc. Decaisne, a French botanist, recognized it in later years from a painting on a Japanese parasol.

Medical men of the English Navy, of the East India Company and those stationed in remote Colonies became ardent botanists.

Dr. Nathaniel Wallich, a Dane, entered the service of the East India Co. and later became Supt. of the Botanical Gardens in Calcutta. In 1815 he wrote on *Begonias of India and Asia*. *Begonia Wallichiana*, an annual, is named for him.

Dr. Wm. Roxburgh (1759-1815), Surgeon, employed by the East India Co. and later Surgeon of the General Hospital in Madras was a pioneer exponent of the flora of India. While associated with the Hospital he developed a large garden of his own cultivating spices and economic plants. Years later he had charge of the Botanical Gardens in Calcutta. He shipped his papers and drawings to England but during a storm at sea much of his work was lost. That part which survived the storm was later published by the East India Co. entitled "Flora Indica." *Beg. Roxburghii* is named for him and is in cultivation at the present time.

Wm. Jackson Hooker (1785-1865) was perhaps the latest disciple of Jos. Banks and a deep friendship developed between them. Hooker started out in life with a brewing business and an eagerness for botanical science. The two vocations interfered with each other and he chose to give himself completely to the science which brought him renown. Through the influence of Banks he became Prof. of Botany at the University of Glasgow at the age of 28, which post he held for 20 years. In 1840 he accepted the Directorship of Kew Gardens until 1855 when his son, Joseph Dalton (1817-1911) succeeded him. Wm. Jackson and his equally famous son were long lived men and their lives spanned several eras. In Curtis' Botanical Magazine, founded in 1787, both father and son described and illustrated many *Begonias* for us. In addition to this publication there are numerous others which are worth investigation including individual books written by them.

THE HABITAT OF BEGONIA OCTOPETALA

by CLAYTON M. KELLY
(Posthumous)

IT would be very interesting and helpful, too, to begonia growers to know precisely the environment in which each species of begonia is found growing. That knowledge might well be the difference between success and failure when attempting to germinate the seeds and grow to maturity the species with which one has had no experience. Several of the Indian and South American species, seeds of which our Research Department has distributed, have not grown well and happily under the care we have given them, and it would seem that the failure to develop normally must be due to the lack of some necessary factor of their natural environment.

Unfortunately this information is not easily obtained. Commercial seed collectors cannot supply it, or are indifferent to our inquiries. The botanist, collecting in the field, is interested only in classifying his new discoveries and making barbarium material of them. The planthunter, whose mission it is to find, in far away lands, new plants suitable for introduction into American gardens, is the one most likely to be able to give us the facts about the natural habitat of his finds.

It is, therefore, with especial interest that we read in Dr. T. H. Goodspeed's book, *Plant Hunters in the Andes*, of the experiences of the expedition's personnel on their collection trips to South America in '35-'36 and '37-'38. The account of their search for new plants along the coastal and mountainous sections of Peru and Chile, and the conditions under which they were found grow-

ing, makes an enthralling story of adventure and discovery.

Our Society, together with other California garden clubs, had the privilege of contributing a small sum to help finance those botanical expeditions. We have received from Dr. Goodspeed and the Botanical Garden of the University of California, seeds, tubers and plants of the species of begonia collected. Of outstanding interest were *B. octopetala*, of which we had read in European journals, and *B. micranthera* var. *fimbriata*, the orange flowered tuberous species, which came to us and was distributed to the Seed Fund sponsors under its collection number, 1041.

B. octopetala, also, is a tuberous species. Because of this adaptation to its environment it is able to survive in a state of dormancy the dry season when there are no rains or fog to supply moisture to the soil. It grows two feet high and sends up flower stems well above the foliage, each stem carrying four or five greenish-white, eight petalled flowers. This species was cultivated in Europe fifty years ago and was used at that time by Lemoine and other hybridists in their experiments in developing the garden varieties of tuberous begonias. So far as we know it had not been seen in American gardens until it was introduced by Dr. Goodspeed. It was found by the expedition members growing in a most surprising situation—literally in the midst of one of the driest of the earth's deserts. Not, however, in an arid area but in what might be called a seasonal oasis.

There is a strip of land about fifty

"I used to be an "ALSO RAN" but in 1941 in 3 shows, THRU THE USE OF Pestless LIKWID-GRO I WON 21 BLUE ribbons and 10 second prizes. No muss, no odor is right."—William Ross, Los Encinos

Pestless "SLUG & SNAIL BAIT" used with "GARDEN BAIT" will rid your Garden of SLUGS, SNAILS, CUTWORMS, EARWIGS and SOW BUGS.

(The use of both of these products gives more effective control than possible when both arsenic and metaldehyde are put together in same meal.)

SPRAY NOW for THRIPS with Pestless TARTAR EMETIC THRIP SPRAY. SPRAY NOW for Aphis, Beetles and Worms with Pestless GREENHOUSE SPRAY.

YOUR DEALER HAS THEM—GET THEM—USE THEM
SAY "PESTLESS" • BE SATISFIED • SAY "PESTLESS"

miles wide along the west coast of South America in Peru and Chile which is a sandy waste, rocky and barren rising into the foothills of the Andes. Rainfall is almost unknown and the dry air has preserved the remains of earlier civilizations as well as commercial deposits of guano and nitrates. Astonishingly, however, there are, here and there, in this cactus strewn desert, small areas, where during August, September and October heavy fogs lay constantly over the land. The sun never shines, and the soil becomes moist even boggy, not from rain or from underground seepage, but from condensation of the fog. A fast growing vegetation grows up producing what Dr. Goodspeed calls "meadows in the desert". In one of these "lomas", the Lomas de Atacongo, east of the coastal town of Lurin, which is a few miles from Lima, in longitude 12 degrees south, they came upon *B. octopetala*. A splendid picture (page 225) shows it thrusting its cupped, geranium shaped leaves and single flower stalk well above the surrounding thicket of vegetation.

• For that Birthday gift: A year's subscription to *The Begonian*. Twelve months of pleasure, in honor of one day . . . besides making another friend for the A.B.S.

BEGONIA TUBERS

Fragrant WILD ROSE tuber FREE with \$2.00 order. Camellia type tuberos mixed or separate colors: 1/2" diameter tubers 50c a dozen, 3/4" 75c, 1" \$1.00, 1 1/4" \$1.25, 1 1/2" \$1.50, 2" \$2.00 prepaid.

LESLIE WOODRIF

Harbor

Oregon

Dr. Goodspeed describes it thus: "Clustered—in the crevices of rock outcrops were species of *Calceolaria*, with various *Begonias*, and other charming plants. The scent of the Peruvian heliotrope was heavy in the moist air. In the shelter of boulders they saw *Begonia octopetala* in bloom and growing far larger and more vigorously than it does in those North American gardens to which it has been transported. Altogether it was unbelievable—a luxuriant flowery garden, and not more than a Joe DiMaggio's throw from one of the driest deserts on the surface of the earth."

(Plant Hunters in the Andes, by T. Harper Goodspeed. Published by Farrar and Rinehart, 1941.)

• Our ADVERTISERS have faith in us. Let us demonstrate our faith in them by patronizing them to the best of our ability.

Over 400 Species and Varieties of

BEGONIAS

Choice Rex Hybrid Seed \$1.00 Per Packet
Begonia Cathayana \$1.00 (Plus Postage)

RUDOLF ZIESENHENNE

1130 N. Milpas St. Santa Barbara, Calif.

OAK LEAF MOLD

Best Quality - Clean - Well-Rotted
45c per Sack

50 Sacks or more at 40c per Sack
Plus: Sack Exchange or Deposit

A. L. Dickenson

Phone NEwmark 17645

627 West Palmer

Compton, Calif.

NEW SPRAY for MILDEWS

A new Liquid Fungicide to use against Mildews, Black Spot and other plant diseases. Combines with EXTRAX Garden Spray for combination control of many insects and diseases. . . . Sold by dealers everywhere.



GREENOL
Liquid Fungicide

WE RECOMMEND YOU USE

Bet-er Growe



FOR: AZALEAS, CAMELLIAS,
GARDENIAS AND ROSES

R. C. LONG

2663 E. Foothill Blvd. — SY 6-7305
Pasadena Calif.

Quoting Dr. Etta Gray, President Hollywood Garden Club: "My Azaleas have never been better than this year. Bet-er Growe certainly lives up to its name."



CALIFORNIA SPRING GARDEN SHOW

by HARRIETTE W. BRIDGES, Hayward, Calif.

BEGONIAS will be featured more extensively in the 1942 California Spring Garden Show than in any previous exhibit, according to Howard Gilkey, the well known landscape architect designer, who has been responsible for the creation of the settings for the Shows for the past several years.

The increasing emphasis on the begonia exhibits, Mr. Gilkey attributes to the splendid efforts of individuals and members of the Begonia Society in fostering interest in the cultivation and development of these beautiful flowers. Greater space and a larger number of class entries will therefore be devoted to begonias than ever before.

One of the outstanding exhibits will be that of tuberous begonias by the famous hybridist, Frank Reinelt, of the firm Vetterle and Reinelt, from Capitola, California.

Alfredo Gomes of San Leandro will again display his notable collection of Rer begonias, and will have even a larger exhibit than he had last year with which he won of the three much coveted

special plaques awarded by the Judges' committee for displays in the entire Show. (See picture).

The 1942 California Spring Garden Show, which will be the thirteenth since the first modest exhibit in 1930, promises to exceed in beauty, magnitude and scope of exhibits any of the previous ones. It will open to the public on Tuesday morning, April 28th following the Sponsors' Night and Preview to be held on Monday evening. The Show will be extended one day longer this year than preceding ones and will continue through Sunday, May 3rd.

NEW LOCATION

As in previous years, the 1942 Show will be developed around a central theme or motif, and the one selected months ago for this Show, "Pan American Gardens", is particularly timely because of the extensive activities of both the Federal Government and many private agencies at present devoted to a better understanding of the neighboring coun-

(Continued on Page 60)

Sacks . . . A Precious Commodity

by A. L. DICKENSON
Compton, Calif.

• Now as never before, we must learn to conserve and save things that several weeks ago we all accepted as plentiful. I am speaking specifically of burlap sacks. Because of the fact that jute, the material from which bags are made, comes from India, sacks are becoming a very scarce and a very expensive article.

We all know how quickly leaf mold or fertilizer will rot a sack, especially if it is wet, and how easy it is to put off dumping the contents of these sacks into bins or other receptacles provided for that purpose. Let me urge each one of you as a favor to the man who furnishes you with your leaf mold or fertilizer, as a favor to yourself and to your country's business and to your own pocketbook to provide a handy place to store these articles in bulk as soon as you get delivery, then **save those sacks**. It will be to the benefit of all parties concerned to make every sack last as long as possible.

CALIF. SPRING GARDEN SHOW

(Continued from Page 59)

tries south of the border and the encouragement of more friendly and amicable relations, with the peoples included in the new union of the Americas.

An atmosphere of novelty will pervade the Show this year as it will be held in two enormous tents to be erected in Lakeside Park adjacent to Lake Merritt.

Inside the main tent, covering an area 100 by 277 feet, a huge lagoon will be constructed that will be an authentic reproduction of one of the many small lakes in the world-famous Floating Gardens of Xochimilco near Mexico City. An observation balcony or "overlook" just inside the main entrance will provide an unobstructed view of the entire main exhibit.

In developing the architectural design of the Show, Mr. Gilkey has taken full advantage of the natural landscaping of the Park and by incorporating these features will achieve a beauty of surroundings never before possible.

V. V. V.
"VICTORY GARDENS" \$2.50

The Garden Book of the Year
by Putnam and Cosper

CAMPBELL SEED STORE

Established 1907

137 W. Colorado

Padena, Calif.

FREE---Plant Dictionary

With 2 Year Subscription to

"THE GREEN THUMB"

Garden Magazine—2 Years \$1.00

The Green Thumb

413 Duarte Road

Monrovia, Calif.

• You are invited to the Eleventh Annual Meeting of The California Garden Clubs Inc., Hotel Huntington, May 1, 2 and 3. Contact your Editor for further information.

Special Offering at 50c each

GOGOENSIS

IMPERIALIS SMARAGDINA

These are sturdy seedling plants ready for shift to larger pots

Rosecroft Begonia Gardens

530 Silvergate Ave.

Point Loma, Cal

IF IT'S A BULB and IT'S SEASONABLE
I think you'll find it for your sun or shade
GARDEN

at

BOB ANDERSON

1415 Echo Park Ave.

Los Angeles

California

MONTALVO GARDENS

● BEGONIAS

● RARE PLANTS

● FERN S

4455 Montalvo Ave.

San Diego, Calif.

**Kill SNAILS
and SLUGS**

WITH THIS AMAZING BAIT



"BUG-GETA" Bait

Plantly Speaking on the Shady Side

by JOHN S. VOSBURG
Hollywood, Calif.

• Would you have orchids in your garden? You may. And you do not even have to prepare a special medium for them to grow in. BLETILLA (generally listed in the trade as BLETIA) hyacinthina, will thrive in ordinary garden soil, being a true terrestrial orchid. In fact, it prefers the same growing conditions as the Begonias, and when well grown they offer stems of from three to six amethyst purple orchids that are finding much favor, when three to nine such stems are used artistically made up as a corsage. They are also delightful pot-plants while they are in bloom. There is a lot that might be said regarding the personal pride of being able to say, "Here are orchids from my garden."

Experience has proved that planting in colonies is better than individual plants or scattered plantings. The pseudobulbs multiply rather generously and they benefit from lack of cultivation rather than too much of it. They are native to China and Japan, quite suitable for culture in the warmer section without disturbing or providing winter protection. In the colder sections, the pseudobulb can be lifted and stored with the assurance of continuation of flowers again, in season. Undisturbed, it soon forms large clumps with many spikes of flowers that never fail to stop everyone. There is a white flowered form and also a variegated foliage type of interest. A colony planted north of a tall boulder giving the orchids just a little morning sun or indirect light reflected from another boulder makes a truly arresting picture. It blooms very well also in full sun, but the color may not be as rich. It is in bloom now in Southern California.

BLETILLA



"EVANS & REEVES"

A Recognized Mark of Quality

—in—

FUCHSIAS & BEGONIAS

We ship anywhere. Write for Fuchsia Catalogue.

EVANS & REEVES NURSERIES

255 So. Barrington Ave.

West Los Angeles

California

**FRESH
STREPTOCARPUS SEED**
Mixed — 50c

Choice Types, Colors and Markings

ANNIE C. ROBINSON

Rosecroft Begonia Gardens

530 Silvergate Ave.

Point Loma, Calif.

SHADELAND GARDENS SPECIALS

REX BEGONIAS	7 for \$1.00
Billbergias, all different.....	4 for \$1.00
Calla Lily Begonia	25c
Luxurians	35c
Imperialis smaragdina	35c
100 Vars. Fuchsias.....	15c—2 for 25c

SHADELAND GARDENS

205 S. Inglewood Ave.

Inglewood

California

MEETING DATES

1942		APRIL						1942
SUN	MON	TUE	WED	THU	FRI	SAT		
			1	2	3	4		
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30				

AND SPEAKERS

It would be much appreciated if the Secretaries of the Branches would send meeting data to reach the Editor not later than the tenth of the month.

The American Begonia Society Board will meet the first Monday of every month. Council Chamber, City Hall, Inglewood, California at 7:30 P.M.

DOMINGUEZ BRANCH

Wednesday, April 1st
Dominguez Community Church,
21503 Prospect at Adams
Mrs. R. L. Warren, Secy.
21718 So. Alameda, Long Beach

SAN FRANCISCO BRANCH

Wednesday, April 1st, 8 P.M.
1060 Francisco St.,
Harry F. O'Donnell, Secy.-Treas.,
1575 31st Ave., San Francisco, Calif.

ORANGE COUNTY BRANCH

Thursday, April 2nd
College Hall, Santa Ana J. C.
917 N. Maine St., Santa Ana, Calif.
Mrs. Elizabeth Young

INGLEWOOD BRANCH

Friday, April 3rd, 8 P.M.
Woman's Club, Inglewood, Calif.
Mrs. R. R. White, Secretary
937 Harding Ave., Venice, Calif.
SPEAKER: H. Britton Logan
SUBJECT: Nutrient Solutions

HOLLYWOOD BRANCH

Tuesday, April 7th, 6 P.M.
Plummer Park, 7377 Santa Monica Blvd.
Mrs. Helen Ehret, Secy.,
7507 Lexington Ave., Hollywood, Calif.
SPEAKER: WM. A. REYNOLDS
SUBJECT: Gardening

PALOMAR BRANCH

Tuesday, April 7th, 7:30 P.M.
Jefferson Street School, Vista, Calif.
Mrs. E. A. Boillot, Secy.-Treas.,
Route 1, Box 445, Oceanside, Calif.

THEODOSIA BURR SHEPHERD BRANCH

Tuesday, April 7th
American Legion Hall,
North California St., Ventura, Calif.
Mrs. Olive Hamilton, Secy.-Treas.,
515 So. Evergreen Drive, Ventura, Calif.

BELLFLOWER BRANCH

Tuesday, April 7th, 7:30 P.M.
Home of Ralph A. Boggs, 263 California St.
Mrs. L. D. Thalheimer, Secy.-Treas.,
222 S. Woodruff St., Bellflower, Calif.

SANTA BARBARA BRANCH

Tuesday, April 7th
Girl Scouts Headquarters
1835 San Andres St., Santa Barbara.
Mrs. Thelma Sommerfield, Secy.,
210 E. Anapamu St., Santa Barbara, Calif.

PHIOBEGONIA CLUB BRANCH

Thursday, April 9th, 10:00 A.M.
Home of Mrs. Helen A. Krauss,
4050 Cotswold Rd., Wynnewood, Pa.

LONG BEACH PARENT CHAPTER

Thursday, April 9th, 7:30 P.M.
Odd Fellows Temple
728 Elm, Long Beach, Calif.
Mrs. Ethel G. Arbuckle, Secy.-Treas.,
5932 Seville Ave., Huntington Park, Calif.

RIVERSIDE BRANCH

Friday, April 10th
Mrs. Harriet E. Meyer, Secy.-Treas.,
4219 Sunnyside Dr., Riverside, Calif.

HERBERT DYCKMAN BRANCH

Friday, April 10th, 7:30 P.M.
Mrs. Charlotte Sisson, Secy.-Treas.
Home of Mr. & Mrs. Anna Smith
250 E. Home St.
Long Beach, Calif.

NORTH LONG BEACH BRANCH

Monday, April 13th, 7:30 P.M.
Democratic Hall, 5662 Atlantic Blvd.
Mrs. H. A. Cuyler, Secy.-Treas.
5676 Olive Ave., Long Beach, Calif.

EAST BAY BRANCH

Monday, April 13th, 8 P.M.
Washington School, Cor. Bancroft & Groves
Dick G. Goodnow, Secy.-Treas.,
2116 Derby Street, Berkeley, Calif.
Final Plans Spring Garden Show

SAN DIEGO BRANCH

Monday, April 13th, 7:30 P.M.
4037 39th Street
Mrs. Clarence Moore, Secy.-Treas.
3664 31st St., San Diego, Calif.

PASADENA BRANCH

Tuesday, April 14th, 7:30 P.M.
La Casita Del Arroyo,
177 So. Arroyo Blvd.
Samuel R. Works, Secy.,
71 N. San Gabriel, Pasadena, Calif.

PHILADELPHIA AND VICINITY BRANCH

Wednesday, April 15th, 11 A.M.
5343 Greene St.
Mrs. Sophia E. Whitaker, Secy.-Treas.
5343 Greene St., Germantown, Phila., Pa.
SPEAKER: Mr. Tristram Coffin Whitaker
SUBJECT: Tuberous Begonias

VICTORY BRANCH

Thursday, April 16th
Mrs. Clara Moore, Secy.-Treas.,
11275 Duncan Ave., Lynwood, Calif.

SAN GABRIEL VALLEY BRANCH

Sunday, April 19th at 2 P.M.
American Legion Hall
716 North First Ave., Arcadia
Mrs. N. H. Powell, Secretary
419 South Ynez Ave.
Monterey Park, Calif.

GLENDALE BRANCH

Monday, April 20th
329 No. Brand Blvd.
News Press Bldg., Glendale, Calif.
Mrs. M. B. Dewar, Secretary,
709 Milford Ave., Phone CItrus 17517

EVA KENWORTHY GRAY BRANCH

Monday, April 20th
Mrs. Henry O. Colt, Secy.-Treas.,
7221 Olivetas, La Jolla, Calif.

MARGARET GRUENBAUM BRANCH

Tuesday, April 28th
Mrs. Wm. L. Paxson, Secty.
Willow Grove, Pa.

SYRACUSE BRANCH

Richard C. Atwood, Secy.-Treas.
1405 East Fayette St., Syracuse, N. Y.
Mrs. B. W. Skinner, Secretary.

NEW ENGLAND BRANCH

54 Essex St., Lynnfield, Mass.

Pot Culture of Tuberous Begonias

by FRANK REINELT, Capitola, Calif.

"Transplanting of Tuberous Begonias" in March issue was also by Frank Reinelt. The Editor apologizes.

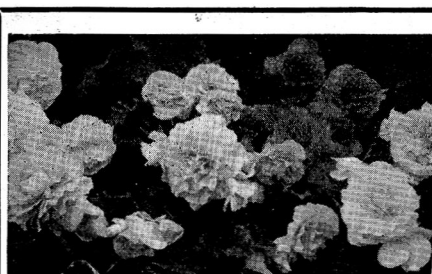
• For pot culture, any rich, light soil is suitable. Mixture of two parts of coarse leafmold, one part of loam will bring good results. It is important for mixture to be of light, coarse character, so that it will drain well. Finely-sifted soil will pack down without permitting the circulation of air, hence only a moderately good result can be expected. Perfect drainage is most important, and to provide it, place at least one inch deep of gravel on the bottom of the pot. When potting up, use smaller pots in beginning and move later into larger pots before they are pot-bound. If tubers are well started in peat, with considerable root system, they may be planted immediately in large pots approximately from six to eight inches for one-year-old tubers. Older, larger tubers will, of course, require larger pots. Very great care with watering is necessary when they are planted immediately in large pots. Keep the surface only moist in the young stage, until the growth is well developed, and then heavier watering is justified. If you over-water the soil in the beginning, it will become sour, the plants will make only a sickly growth, buds will fall off before blooming and the plants may die out entirely. This is true especially of hanging basket types. If very strong growth is desired, it will be necessary when the plants are established in the final pots and have at least four of the leaves developed, to water once a week with liquid manure.

KILL GARDEN PESTS

with "EXTRAX"—the new complete Pyrethrum-Rotene Insecticide to use against Aphids and various Sucking & Chewing Insects. Used also against Sod Worm (Lawn Moth). **Sold by dealers everywhere.**



EXTRAX
Garden Spray



PACIFIC STRAIN of TUBEROUS BEGONIAS

NEW DEVELOPMENTS
and
LARGEST SELECTION of
ALL TYPES and COLORS

— Ask for Catalog —

Vetterle and Reinelt
Capitola, California

EVERYTHING FOR VICTORIOUS GARDENING

CHOICE SEEDS — PRIZE PLANTS
THE BEST FERTILIZERS

and
THE MOST EFFECTIVE PEST CONTROLS
THE HANDIEST TOOLS FOR EVERYONE
IN THE FAMILY

We Deliver

BISHOP & MATHEWS

6651 Wilshire Blvd. WA 1251
819 W. Vernon Ave. AD 11158
Los Angeles, California

Begonias — Ferns — Fuchsias
Choice Tuberous Begonias
English Primroses — Cinerarias

— Closed Mondays —

ALEXANDER B. SIM

305 N. Sepulveda Blvd.
Manhattan Beach Calif.

CALIFORNIA LIQUID FERTILIZER

The same remarkable fertilizer that does so well for begonias and other plants will add mineral salts and vitamins to your vegetables. It comes in an amber bottle with bright green label and is for sale at all retailers.

CALIFORNIA LIQUID FERTILIZER CO.

36 PICO STREET

PASADENA, CALIF.

Distributor for original Corry Slug and Snail Death

POSTMASTER:
Please Notify J. N. Nutter, Sec'y
1050 East 19th Street
Long Beach, California
On All Address Changes

SEED

HYBRID REX BEGONIA SEED
MIXED TUBEROUS BEGONIA SEED
STREPTOCARPUS SEED
GLOXINIA SEED
50c each per packet

LESLIE WOODRIF

Harbor

Oregon

Gloxinia Seed 25c

Primroses in Bloom—Gerbera Hybrids
Tuberous Begonias and Begonia peltata

Visitors Welcome

QUALITY PLANT GARDENS

G. A. BARROWS

1111 Louise St.

Santa Ana, Cal.

BARFOOT PRESENTS

THE—

- *New!*
- *Modern!*
- *Complete!*



An Easy-to-use unit that makes

25 GALLONS!
of ALL-PURPOSE
Garden Spray with—

- **BARFOOT ROTENONE**
- **BARFOOT SPREADER**
- **BARFOOT FUNGICIDE**

Plus the convenient garden-spray
chart and record calendar!

*A product of J. A. Barfoot & Co.,
2469 Porter St., Los Angeles, Calif.*

**ON SALE AT ALL
GARDEN-SUPPLY STORES!**

KILL ANTS

this New Easy Way!

Use **ANT-B-GON**. The patented "wick"
does the trick. No muss. No fuss. Does not
spill or sour. **QUICK, CLEAN AND EASY!**

"ANT-B-GON"



Germac
"TWIST-EMS"

Help you support
plants quickly,
neatly, perman-
ently. 4", 8" sizes
25c. 16" size 50c.

Buy at your Garden Supply Dealer or
write Germac's, 747 Terminal Street, Los
Angeles, Calif.



TWO AIDS TO VICTORY
Buy-
DEFENSE BONDS
Plant-
**AN A&M DEFENSE
GARDEN!**

You are helping to achieve quick victory
when you plant a **Defense Vegetable Gar-**
den. In addition to its patriotic value and
economy a home vegetable garden will
provide a real satisfaction plus an abun-
dance of fresh, flavorful vegetables. Ask
your dealer for the **FREE** fully illustrated
step by step folder containing plot plan,
planting information and cultural direc-
tions etc. for a vegetable garden.

Buy the seeds for your **Defense Vegetable
Garden** at your Local **AGGELER & MUS-**
SER Dealer. Remember **A & M SEEDS** are
the same high quality wherever sold.

AGGELER & MUSSER SEED CO.

652 MATEO STREET • LOS ANGELES, CALIFORNIA