

The BULLETIN *of the* AMERICAN DAHLIA SOCIETY



Warren W. Maytrott,
President of the American
Dahlia Society, seated in
his exhibit which won
highest commercial award
at the Atlantic City
Show, 1932.

YOUR ATTENTION is CALLED to:

Notice of Spring Meeting	- - PAGE 7	Hart's Honor Roll	- - - PAGE 17
Pres. Maytrott's Plans for Society, 1933	9	The Dahlia Forum	- - - 19
Trial Ground Report	- - - 11	Diseased Soil or Just Sick	- - - 34

(Entered as Second Class Matter, January 13, 1922, at the Post Office in New Haven under the act of March 8, 1879)

Issue of January 1933 - - First Quarter



JAMES KIRBY

James Kirby: A "Roll of Honor" dahlia and winner as the best 1932 introduction, (10 blooms on long stems,) at the 1932 New York Show of The American Dahlia Society. This magnificent flower possesses a rare brilliance of hue softened by rich shadings at the center which creates a charming effect with its natural refinement of form.

Strong divisions, \$10 ea. Plants \$5 ea.

KIAMOS & TOOKER, Inc.
WHOLESALE FLORISTS
788 SIXTH AVENUE
NEW YORK CITY
BOGARDUS 4-
2217-2218-2219

JANUARY 23, 1932.

Badetty Bros.,
Huntington, L.I.

Dear Mr. Badetty:

We feel that the time is right for you to know our feelings toward James Kirby. It is undoubtedly the best dahlia stem. It is the N. Y. variety, as to color and stem. We realized more on this dahlia than on any other variety received this year. On the sample shipments you sent of golden Eclipse we feel that this variety or perhaps even before it and will rival or perhaps even surpass the Sagamore and Jersey Beauty in importance to the growers.

Yours truly,

Kiamos & Tooker, Inc.
K.T.

MEMBER OF FLORISTS TELEGRAPH DELIVERY ASSOCIATION



Kottmiller
Florists
and
Landscape Designers
New York

December 19, 1932.

Badetty Bros.,
40 Prospect St.,
Huntington, N. Y.

Dear Sirs:

The Dahlia James Kirby in my estimation is one of the finest I have seen in many a year, especially its lasting quality and color. We had some in our window for three solid days and found no deterioration in foliage or flower.

I recommend it very highly.

Yours very truly,

A. Kottmiller

AK/ML

BUNYARD and RAMM, Inc. Florists
Cut Flowers, Plants and Floral Decorations
400 Madison Avenue and 127 Park Avenue
NEW YORK
at 42nd Street

October
4th
1932

Badetty Brothers,
40 Prospect Street,
Huntington, L.I. N.Y.

Gentlemen:

"Kirby" has been most gratifying, and the flowers much sought and admired by our very discriminate clientele. I know of no other Dahlia equaling its magnificent coloring and form, the rich combination of crimson shading to ruby added to its immense size make a most desirable addition to our florist Dahlias, particularly noticeable in the wonderful keeping qualities, we having displayed the cut blooms in our window for the better part of a week, without wilting for the still being good at the end of that time.

Very truly yours,

Bunyard and Ramm, Inc.
Robert T. Ramm
President.

NEW YORK'S FAVORITE FLOWER SHOP, INC.
Summy
375 PARK AVENUE
NEW YORK
at 42nd Street

Jan. 23rd, 1933

Badetty Bros.,
40 Prospect Street,
Huntington, N.Y.

Gentlemen:-

Aside from the many commendable variation of Dahlias which you have sold us we would especially like to mention the color and having excellent keeping qualities. We find that these qualities make this dahlia a good seller and a favorite for window and store display.

Yours very truly,

New York's Favorite Flower Shop Inc.,
William C. Fogarty
Pres.

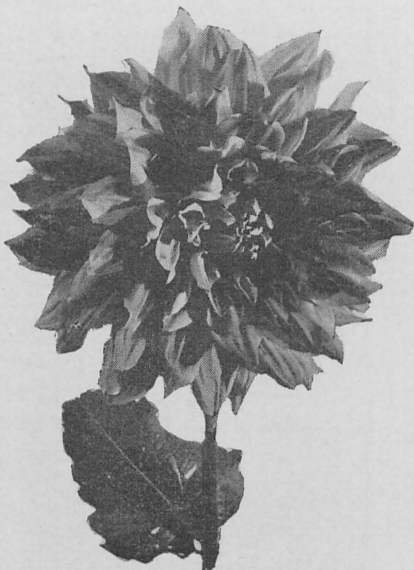
In the accompanying testimonials we are pleased to submit opinions from leading firms of long experience in the most discriminating selection of flowers of practical worth.

Send for **folder B2** containing a detailed description and history of this Dahlia together with attractive color reproductions of two great Dahlias. It also contains some of our earlier introductions, a list of selected pompons and an offering of our **choice strain of seed**.

Your name on our mailing list will bring you news, in due time, of our sensational Golden Eclipse. It was an outstanding seedling at last Autumn's shows and was prominently featured in the "Dahlia Roll of Honor" as "An undefeated winner and truest type large formal decorative." See the American Home Magazine for December, 1932.

(In replying please mention the BULLETIN.)

BADETTY BROTHERS
Huntington Dahlia Gardens
40 PROSPECT STREET HUNTINGTON, N. Y.



ROBERT EMMET

Moroney-Dahliadel, 1933

A grand, new, velvety Cardinal red Dahlia of giant size and great beauty. Informal decorative type, perfect open grower with dark green insect-resistant foliage. A Dahlia that received a certificate of merit at Storrs in 1931, and then during the past trying season never stopped producing great quantities of perfect blooms from mid-August till frost. Stems stiff and long with flowers perfectly facing. A Dahlia that will win in the red and informal decorative classes, and be a source of joy in the garden. In keeping with the times we introduce this variety at the extremely low price of \$5.00 for plants only, no roots for sale this year.

4 Prize Dahlias Roots \$3.50
 Plants \$2.00

(Value: Roots, \$6.00; Plants, \$3.00)

The World Thomas A. Edison
Kathleen Norris Treasure Island

6 Wonderful Dahlias Roots \$10.00
 Plants \$5.00

(Value: Roots, \$17.00; Plants, \$8.50)

Josephine G. Omar Khayyam Dwight W. Morrow
Jim Moore Penn Charter Eliza L. Shepard

8 Exhibition Dahlias Roots \$4.00
 Plants \$2.75

(Value: Roots, \$7.50; Plants, \$3.75)

Ida Perkins Old Hickory Kentucky City of Trenton
Dr. John Carman Glory of Monmouth Kemp's Violet Wonder Waldheim Sunshine

OUR 1933 CATALOGUE

Is replete with Dahlia lore and Dahlia varieties . . . Dahlias that are Potash Fed and ready to grow and bloom for you. Dahlias that leave no regrets. A copy of this now famous catalogue will be delivered to you on receipt of your request.

"GROW POTASH FED DAHLIAS—IT PAYS"

DAHLIADEL NURSERIES

WARREN W. MAYTROT

BOX 14, VINELAND, N. J.



Advertising Index

	Page
Alling's Dahlias	34
Almy's Supreme	37
Ansul Chemical Co.	41
Badetty Bros.	2-3
Bissell, Walter	36
Boston Gardens	42
Babylon Gardens	44
Bolsa Gardens	45
Burpee, W. Atlee ..	Back Cover
Carlee, H. (Holland)	43
Chemar Gardens	50
Cordes, S. F.	51
Cottam, N. H.	27
Dahliadel Nurseries	4
Delight-U Nurseries	28
Dudley, Lynn B.	33
Dixon, Frederick E.	38
Dixie Gardens	40
Durnil, C. H.	44
Edison, A. T.	36
Eastman, Major James B. ...	51
Fraser's Gardens	31
Fisher & Masson	32
Frank's Gardens	47
Golden Rule Farm	46
Goodacre, A. G.	47
Hillside Gardens	31
Hulin, J. E.	42
Haddondale Gardens	47
Kunzman Dahlias	46
Lakewood Gardens	39
Lee's Gardens	41
Landess, Dr. E. S.	46
Lasch Floral Gardens	46
Locust Valley Farm	49
Mad River Gardens	33
Mannetto Hill Nurseries ..	34
Mastic Creations	42
Meussdorffer, Alice	33
National Ass'n of Growers ..	42
New England Gladiolus Soc. ..	48
Parrella, Albert	6
Petrie, Richard W.	43
Pioneer Gardens	44
Rockleigh Gardens	45
Ruschmohr Gardens	29
Redfern, Curtis	38
Rosemary Gardens	40
Robens, H. H.	40
Success Gardens	8
Stillman, George L.	26
Sagamore Gardens	37
Steel, Charles	39
Shady Lawn Nurseries	43
Somerhausen Gardens	43
Smith, Dr. H. H.	44
Seal, Jessie L.	45
Seven Acres	45
Toth, John	47
Vernon Floral Co.	27
Veile & Mendham	32
Wakeman Gardens	35
Wilmore, W. W.	40

The A. D. S. BULLETIN

Contents for January, 1933

SERIES IX, No. 63

CONTENTS	Page
President Maytrott and his Exhibit.....	Cover
BULLETIN Pleases Members.....	7 and 47
President Maytrott Lays Plans for 1933.....	9
Short Sketch of his Life and Achievements.....	10
Report of Storrs Trial Grounds.....	11 to 16, 41 to 44
Hart's Honor Roll.....	17-18
The Dahlia Forum:	
On Weeds, Insects, Soil and Such.....	19
On Diseased Soil or Just Sick?.....	20
More About Roots and Manure.....	20-21
Is Interest in Large Dahlias Waning?.....	22
When is a Seedling Not a Seedling?.....	22
A College Professor Takes Up Dahlias.....	24
What Make a Dahlia Colored?.....	24
Is Every Member Doing Their Bit?.....	26
On Seedlings	26-27
How Can Dahlias Be Kept Longer?.....	28-29
Correcting Constituents of the Soil.....	34-35
Dahlias in England.....	36
Dahlias in Holland.....	38
Other Societies	40
Goings On 10 Years Ago in the A. D. S.	45
Further Classification Necessary?.....	46
Catalogues Received	48
Join A. D. S. and Get a Member Club.....	49

Subscription Rates \$2.00 per year in advance. Please send all subscriptions and dues to the treasurer, Mrs. Mabel Rathgeber, 196 Norton Street, New Haven, Conn. Receipts will be promptly sent.

ADVERTISING RATES

Minimum space accepted, one inch			
30 cents per agate line—Fourteen agate lines to the inch			
One Inch	\$ 4.00	Half Page	\$18.50
Two Inch	7.00	Page	35.00
Quarter Page ..	11.00	Double Page ..	65.00

All advertising for the American Dahlia Society Bulletin is taken subject to editing. The Society reserves the right to strike out of any advertising copy such parts as it deems objectionable, from any cause whatever, and it also reserves the right to cancel any advertisement for the same reason.

DISCOUNTS FOR YEARLY CONTRACTS

On all contracts for four or more consecutive insertions, a discount of 10% may be deducted. This does not apply to preferred positions, nor to less than one-eighth pages.

Managing Editor	- - -	C. LOUIS ALLING
	251 Court Street, West Haven, Conn.	
Editor	- - -	LYNN B. DUDLEY
	580 North Columbus Avenue, Mt. Vernon, N. Y.	

 I GROW THE BEST AND DISCARD THE REST

I am Forced, By Demand, to Sell Plants of **WM. J. RATHGEBER**



Wm. J. Rathgeber

Plants Only
\$5.00 each

(All roots sold)

Owing to the overwhelming demand for my introduction "WILLIAM J. RATHGEBER" I am sold out on roots, and for the first time am forced to sell plants only of a variety. Plants only, for delivery after May 15th, orders will be booked as received.

Plants \$5.00 Net

NOTE—The following is the word for word description of this marvelous Dahlia, by Derrill W. Hart, in his 1932 Honor Roll of Dahlias, in the December issue of the American Home:

WILLIAM J. RATHGEBER (Parrella) Inf. Dec. This was not shown in competition during the past season, but was one of the outstanding novelties at the American Dahlia Society show at New York. It is fitting that a really fine Dahlia has been named to the memory of a man who served so long as the secretary of the American Dahlia Society.

Here is a Dahlia with a color all its own, essentially a red, and will be known as such; but actually in daylight it is a definite rose-scarlet with rose tints at the ends of petals. It shows practically no tendency to fade in normal weather and is a fine upright grower. It is a seedling of Bagdad, and under artificial light it resembles that flower very much, but in daylight it entirely loses the resemblance and shows its own distinctive color. It is as striking in appearance as any of the novelties.

Send for my catalogue which will give a fuller description of this as well as many other Honor Roll Dahlias. It is free for the asking.

DAHLIA SEED FROM THE HONOR ROLL

Have you been looking for an outstanding Dahlia, that you would like to name after yourself or some beloved friend? If you have, then I have the seed from which these monsters can be raised, as can be attested to by the many visitors to my gardens the past season, and at the recent New York Dahlia show where I exhibited some of them.

I have some outstanding varieties that have not been released as yet, but which will be released soon, such as "FREDERICK FREY," a gorgeous lavender pink, which was picked out by Mr. Otto Frey, Park and Forest Commissioner of the City of Yonkers, N. Y., to be named in memory of his son, recipient of the Congressional medal of honor, as well as numerous decorations from many of the allied Nations. It was in demand by everyone who saw it growing in my gardens.

I also have a White Elite Glory, a Yellow Elite Glory, a Peach colored Elite Glory, and many others equally as good, that were grown from my own seeds and in my own gardens, during the past year. You can get results equally as good, if not better, as I believe that I have better seed this year than I had last year.

These seed are picked from over 400 Honor Roll varieties. Do not trust to luck, you cannot expect to get an elephant out of a dog. To get good seedlings the parents must be of good varieties, and I grow the best only. No poms, show, small or open centered varieties can be seen in my gardens. My experience has proved that more than 50% of seed from my gardens comes fully double.

Prices 50 Seed \$3.00 100 Seed \$5.00

No discount from these prices

Send for my descriptive catalogue, listing over 250 Honor Roll Dahlia, at depression prices, including many of the newer varieties, at prices within the reach of all. Sent free on request.

ALBERT PARRELLA

3380 Ely Avenue, Cor. 222nd Street, Bronx, New York City

 TRY MY SEED AND NO OTHER YOU'LL NEED

COME !

TO THE A. D. S. SPRING MEETING

Hotel Commodore, Tuesday, March 21

New York City

During Spring Flower Show

The Semi-Annual Meeting is always an interesting one. And, after a long look at the Spring Flowers, at the Palace, drop into a comfortable chair—midst your friends and renew your faith in and love for—America's Oldest Garden Flower.

Come and Bring Your Friends from 4 to 6 P. M.

A FINE PROGRAM AWAITS YOU

The Bulletin in New Form Pleases Members

"Congratulations to all concerned for the improved A. D. S. BULLETIN."

Arthur R. O. Redgrave, Swarthmore, Pa.

"I've read every word from cover to cover and it's a wonderful improvement over past issues."

C. H. Stoeckel, Clark's Summit, Pa.

"It is a most pleasant thing for me to do, in extending praise when it is due. You have done a fine job and I am sure that your efforts have just begun in giving our readers plenty of good reading matter as well as a fine set-up in future BULLETINS. I extend my heartiest congratulations."

Charles G. Reed, Lawrence, Mass.

"The BULLETIN get-up is exceptionally fine. You are to be greatly complimented."

Geo. H. Swezey.

"I am one who does not believe in putting flowers on a man's grave after he is dead, and I take this opportunity to congratulate you chaps on your wonderful achievement in the new BULLETIN. In your editorial you say that you expect to improve it more. I can hardly see where it is possible."

A. B. Scott, Fairmont, West Va.

"What an improvement! You certainly should be complimented on the BULLETIN. The make-up is good; the cuts stand out; the paper is good; the cover looks like a million dollars. In fact, the whole magazine is more in keeping with the high level of the Society."

Walter Ostrander, Kingston, N. Y.

"Well, I thought the BULLETIN would be better for your taking hold, but I never dreamed that you would work such wonders. Now the Society can progress with such a helpful and interesting publication to interpret its ideals and ideas."

Dewey Mohr, Rockville Center, Long Island.

The October BULLETIN was splendid—a real improvement, and I am sure your efforts will be appreciated by our members. Am also very glad to see the Forum and Exchange started for I believe it will be of great benefit to us all. It does not matter how many years we have been growing Dahlias. We can always learn something new from someone else's experience. When we cease to learn something new we will soon lose our interest in life. So let us keep our minds open for new and interesting things in Dahlia culture. If I can be of any help with personal experiences will be glad to do so. (See article in this issue on Dahlia Size—Mrs. Lee is already making contributions very worth while.)

Mrs. J. W. Lee, Tacoma, Wash.

Your new BULLETIN is a dandy, a big improvement over other editions, and if every member will lend a hand and get a member or contribute some of their experiences for the benefit of others that will help keep up the interest. Your Forum is just the thing, and so many ideas have already been offered one might start a continued debate. Mr. Dudley certainly is to be congratulated on his ability to put it across. His wit and good sense are both a big help.

J. E. Hulin, Seattle, Wash.

(Further commendations found on page 47)

We introduced the

CHAMPIONS of the show room in 1932

We now offer the

CHAMPIONS of the show room for 1933

OUR LEADER

MARGARET E. BROOMALL

(U. S. Plant Patent No. 36)

The World's Greatest Dahlia

Acknowledged by America's most outstanding judges and experts to be the super-Dahlia of all time. The greatness of this wonder is known around the world. No other Dahlia has ever received such wide publicity before introduction. The highest scoring Dahlia ever grown at the American Dahlia Official Trial Garden at Storrs, Conn. We have sworn affidavit that this wonder has produced bloom 16 inches in diameter without pruning, on a plant carrying seven other bloom at the same time. How large it can be grown by pruning and disbudding no one knows, but an expert has stated it should be up around 18 to 20 inches in diameter. Seems impossible but in our garden it grows several inches larger than Eagle Rock Fantasy, Murphy's Masterpiece, Keweah and many other Dahlias claimed to be the largest Dahlias in the world. To grow this Dahlia will be a joy forever. No competition will be even keen if you exhibit this huge wonder and we feel sure the runner up will be another of our introductions. We are introducing the largest Dahlias in the world. No other grower or concern has equaled our record in sending out Champions of the show room year after year. The coming season we are to offer valuable prizes to the grower who produces the largest bloom on our past and present introductions. We want a record of these winnings to publish in full in our 1934 catalogue. Our catalogue will give full details. Do you receive one? It's free for the asking.

Remember our 1933 introductions are produced to take their place among the top-notchers that we have sent to our patrons in the past. We are duty bound to live up to our reputation as introducers exclusively of EXHIBITION DAHLIAS that make good.

A few choice Dahlia seed—50 seed \$2.50; 100 seed \$5.00

SUCCESS DAHLIA GARDENS

(Charles G. Reed, Prop.)

LAWRENCE

MASSACHUSETTS

Member of the National Association of Commercial Dahlia Growers, Inc.

President Maytrott Lays Broad Plans for the Society in 1933

Invites Branch Societies to Have Representation on A. D. S. Board

Again it is my privilege to greet the members of the American Dahlia Society as your president for 1933, and wish to each and all whether dyed-in-the-wool hobbyists or just beginners, a successful year. I hope each and every one of you will raise the best seedling or win the most prizes or have the most blooms or better still, perhaps what I should wish is that you get the full joy that a Dahlia garden can give to the lovers of this great flower which has built the American Dahlia Society—the flower that now gives to the gardener the greatest variation of color, form and type of any of our popular garden flowers. If more Americans were Dahlia growers I am sure there wouldn't be so much talk of a pessimistic nature, for when two or three real hobbyists get together, pessimism goes out the back door. So I hope I can count on every member of the society to talk persuasively enough this year to add at least one new member to the society.

We are entering a year when the American Dahlia Society can do much for the advancement and further popularity of the Dahlia and Dahlia shows throughout the nation.

An issue of vital interest is the lifting of the European corn borer quarantine by the U. S. Department of Agriculture on account of reduction in the appropriation to carry on this work. This has caused Arizona, California, Georgia, Louisiana, Nevada, Oregon, Utah, Colorado and Wyoming to place absolute embargoes on Dahlia plants coming from the corn borer area.

[Ed. note: As we go to press we learn that the U. S. Department of Agriculture is making provisions for the inspection and certification of material from the infested area. The states of Arizona, Georgia, Louisiana and Wyoming have lifted their embargoes and will allow the entrance of plants when a Federal certificate accompanies the shipment. It is hoped that similar arrangements may be made with the other states before spring.]

We are working with the department of agriculture and our governmental bodies for relief measures with as little additional appropriation as possible, diverting funds from work that we and a number of officials think less important to inspection and certification for the corn borer, which in most cases can be handled by our regular Japanese Beetle inspectors. Dahlia roots at time of writing are not embargoed if free from stem but Dahlia plants are.

Although there are lots worse pests all around us than the corn borer, our attention has not been called to them and we think little about the damage they do. The fact is that the above states have discriminated against the entire area originally taken in by the quarantine, mainly because their attention has been called to the possible danger of infestation.

On December 30th the House passed a bill appropriating \$30,000 for inspection and certification and if passed by the Senate, Federal inspection will be restored and the embargoes will be automatically nullified. It has been necessary, however, to bring this matter before the senators and representatives of the various states



President Warren W. Maytrott of Vineland, N. J. was recently elected for a second term.

affected so that they would realize the nation-wide scope of the Dahlia industry and the serious handicap the lifting of the quarantine imposes.

The classification of our present day Dahlias of commerce to "type" and "color" is a big order but it is our hope to have a list of the popular varieties thus classified by our Nomenclature Committee with the aid of a special committee and published in our BULLETIN in the near future. This will save many controversies in the show room.

A Dahlia classified as orange will go in the "orange, buff or bronze class" and there will be no chance of it being disqualified. Likewise, a borderline Dahlia, such as Orange Flame and classed as orange, would be disqualified in the "red class" while now it could be entered in both the "orange class" and the "red class," and if worthy, win in both. As for type, the same rule would hold good. A variety would have to be entered as classified or it would be disqualified.

The official classification of the Dahlia would not only be a wonderful aid to the exhibitor and save a lot of work for the show manager, but give the judges

A Short Sketch of the Life and Achievements of Warren W. Maytrott, President

It has been customary in the past for the A. D. S. BULLETIN to carry a sketch of the life and works of its president. Perhaps it is because of Mr. Maytrott's inherent modesty but for the first year of his incumbency of the office of president, it was difficult, not to say impossible, to secure the details of the career of our president. We make amends, therefore, at this late date on the occasion of his re-election by giving to our members and his many friends, the facts which should have been published a year ago.

Warren W. Maytrott is a native of Vineland, New Jersey, his present home. He received his education in the local public schools and is looked upon in his local community as a self-made man. Those who have known him all his life are his staunchest friends. An example of a home town boy who has made good at home, he entered the nursery business upon completing his education and his devotion to it, coupled with the fact that he is always on the lookout for improvements, has brought him a continued measure of success. In addition to his own business, he finds time for many labors in the public interest. He is at present a member of the Vineland-Landis Township Committee and is also serving on many other civic and welfare committees.

Besides being president of the A. D. S. Mr. Maytrott is also treasurer of the National Association of Commercial Dahlia Growers. He is owner of the Dahlidel Nurseries, situated in the heart of sunny southern Jersey, at Vineland, on the highway to Atlantic City. Not only is he the owner and the manager of this business, which requires the services of from eight to a dozen men in the busy season, but he is also one of his own workmen on occasion and at these moments you may find him in the midst of planting, digging or even repair work on the plant besides keeping two secretaries busy in his office.

The Dahlidel Nurseries comprise many acres of the finest and newest Dahlias grown. Part of this garden is irrigated—a necessity where thousands of green plants are set out regardless of weather conditions. The equipment of this up-to-date plant consists of a large concrete shipping and packing building, frost and fire proof; three greenhouses which are devoted to propagation work and other necessary buildings for tools, equipments, etc.

Mr. Maytrott started this enterprise in a very small way with only two varieties of Dahlias, shipping blooms to New York produce merchants. Today there are raised in Dahlidel some six hundred varieties which occupy forty-five acres all devoted to this one great flower. Root shipments are made regularly to every part of the United States, and flowers in season to the very best trade in such large cities as New York, Pittsburgh and Philadelphia. The spectacle at the Maytrott nurseries during the season, is one of the sights of Vineland with acre after acre of gorgeous blooms of every known color except blue. It is a show place wherein the citizens of Vineland take as much pride as its owner and bring their friends and visitors from many miles around to view this beautiful Jersey garden. Mr. Maytrott always makes visitors welcome. He is considered an authority on Dahlias and his services as a judge are sought all through the east. He has contributed many articles to various publications on Dahlia culture. He is interesting and is authoritative. He is devoted to the Dahlia.

Warren W. Maytrott, president of the American Dahlia Society, member of six Dahlia societies besides the A. D. S., a good Rotarian, a public spirited citizen, and a true friend to every member of this society, is qualified as few of us are to lead this organization to a bigger and better future.

President Maytrott Lays Broad Plans

(Continued from preceding page.)

something definite to work on. Anything we can do to keep the exhibitor and judges looking through the same glass will save much contention in the show room and create good will.

With this fine new BULLETIN (and I think you will all agree with me that it is "new" after seeing the October and the current issue) I cannot help appealing to those belonging to local Dahlia societies too far away to attend our A. D. S. meetings, to get their organization to form a branch society of the A. D. S. and have a representative on our Executive Committee. The members would then each receive our BULLETIN regularly, which is really something worthwhile. The "Dahlia Forum and Exchange" opens a department from which every member should derive much more than the cost of membership, no matter where he resides, by reading the problems and answers of his fellow members and by submitting his own problems, whether they pertain to culture, insect pests, or questions from the show room. We would like a branch society in every state. This would build our membership to a point where we could publish a real magazine with more issues and have a full-time editor.

With the vast number of seedling Dahlias being grown, it is my recommendation that really worthwhile Dahlias be sent to the A. D. S. Trial Grounds at Storrs, Connecticut. This not only gives a number of people the chance of seeing and judging them there, but in the event the Dahlia is certified, it gives all prospective purchasers the assurance that it is a suitable variety for that part of the country. I only wish there were official trial grounds in other sections, so that Dahlia lovers in parts of the country where growing conditions vary greatly would have a similar assurance of the merits of the new variety in question.

It is my belief that new Dahlias should be thoroughly tested before dissemination. An extra year for trial by the introducer would enable him to learn more about the behavior of the Dahlia in various localities and accumulate sufficient stock for a wider distribution at a lower introductory price, which would be in keeping with present day business conditions. The purchaser would have to be a little patient but would have much more confidence in the new introductions.

The closer we can all work together toward the advancement of the Dahlia and our Dahlia organizations, the more we are all going to achieve.

Report of the Trial Ground Scoring for 1932—its Fourteenth Season

By Dr. Roland H. Patch

(Photographs by Prof. J. A. Manter)

The season of 1932 was the fourteenth in the line of succession for the Trial Gardens. In a great many ways, it was like other seasons. Our personnel was the same and the plan of work the same. However, there were seasonal differences which taught lessons which were stamped on our minds in no uncertain terms.

There were one hundred and forty-nine varieties entered by ninety-two persons. The number of states represented was twenty-six. There were sixty-three entries consisting of one variety.

The story is that compared with 1931 there were more entrants even though there was a falling off in the number of varieties. It seems to be a healthy situation. Folks are using more care in sending novelties to Storrs. It saves effort all around. Many observed that the colors in the garden were better this past season than ever before.

Below will be found statistics:

Persons	No. of Varieties
63	1
18	2
7	3
2	4
1	5
1	16
92	

Number of Growers by States

Arkansas	1
California	3
Connecticut	2
Delaware	1
Idaho	1
Illinois	2
Indiana	6
Iowa	1
Kentucky	2
Maine	1
Maryland	2
Massachusetts	3
Michigan	6
Missouri	2
New Jersey	10
New York	10
North Carolina	3
Ohio	15
Pennsylvania	6
Rhode Island	1
Tennessee	1
Utah	1
Virginia	2
Washington	1
West Virginia	4
Wisconsin	5

Season

The weather was somewhat peculiar during the months of May and June. There was a deficiency of rain with drying winds. Even though the "White Showers" were used, the plants did not seem to respond. The writer saw the gardens the latter part of July and they were much below normal growth. With the coming of August there came more rain and during the month of September the display was fully up to par.

This variety, Carmania, shows better than words can tell how your varieties are grown for

Weather at Storrs—B. A. Brown

Month	Monthly Mean Temperature	Total Monthly Precipitation
May	57.94 (1.78 above nor.)	1.88 (1.59 below nor.)
June	64.85 (0.25 above nor.)	1.86 (1.16 below nor.)
July	68.24 (0.69 below nor.)	5.04 (0.69 above nor.)
August	68.86 (1.50 above nor.)	8.61 (4.74 above nor.)
Sept.	62.57 (1.81 above nor.)	4.69 (1.08 above nor.)
October	52.89 (2.20 above nor.)	6.20 (2.60 above nor.)

Judging

The following members of the Society participated in the scoring of the varieties: William B. Sweeney, Willimantic, Connecticut; C. Louis Alling, West Haven, Connecticut; Lynn B. Dudley, Mount Vernon, New York; W. L. W. Darnell, East Moriches, L. I., New York; Derrill W. Hart, New York, N. Y.; Warren W. Maytrott, Vineland, New Jersey; George L. Farnum, Media, Pennsylvania; and George W. Fraser, Willimantic, Conn.

This is the most difficult part of the work in the conduct of the Trial Gardens. It should be stated that because the writer emphasizes this point, it shouldn't be thought that the scoring is not as well done as it could possibly be. All know that the Dahlia is a variable plant and flower. The reason why this note is injected is because we want to be 100% on the side of the awarding of a Certificate of Merit to any variety that should have it.

To correct erroneous impressions abroad the writer wishes to state that the scoring is not done all in one day. Neither is there any official scoring on the Field Day. The judges visit the Trial Gardens, if it is possible for them to come, at a time when the novelties are ready to be scored.

After some years of experience covering various conditions, local individuals have proven the best all-around judges for they are in a better position to visit the gardens when needed. It would undoubtedly be the same where ever the Trial Grounds are located. Not all persons make good judges, as some seem to lack the sense required for the proper weighing of values.

Another point is that persons, who enter varieties expecting to receive a Certificate of Merit for them, should not take too seriously what friends report concerning their flowers. Often what is said is well intentioned but it isn't the whole story. It is the average of performance for the entire season which counts in the end.

scoring at the Storrs Trial Grounds. It was awarded a Certificate of Merit.



Report of Trial Ground—Continued

Field Day

The Field Day was held on Saturday, September 10, 1932. It was successful in every way. The attendance was better than 100, although only ninety-nine names were recorded. A full account was printed in the October Bulletin.

Visitors

A desk with paper on it was in position near the plots during the summer where visitors could register. There are many people who are interested in seeing the Dahlias. A number make a yearly pilgrimage at a certain time just to see the display in the gardens.

The records show 842 visitors from many States.

Finances

The charge by the college for growing the Dahlias is \$2. This is intended to cover such things as labor, fertilizer, stakes, etc. A fee of \$3 is charged each variety entered in the Trial Gardens. This applies to those varieties known as "retrials" as well as to those that are sent for the first time. The difference of \$1 between the \$3 actually received for a variety and the \$2 charged by the college was originally intended to cover the expenses of the Field Day and other miscellaneous expenses.

The fact is, that work of this nature cannot be carried on without expense. The question is, who is to pay for judges and their expenses as well as for letterheads, score cards and returning roots, etc.?

A suggestion offered is that the Trial Grounds Committee be more closely organized than at present for the purpose of keeping careful records and the handling of the monies received.

Theoretically, the Trial Grounds should have taken in \$447 during 1932. This, however, is not strictly true because there are always a few who are poor pay and some never pay. Of this money \$149 was allowed for the expenses of the Field Day. The big expense here was for speakers.

This material is presented in the way of a reminder rather than as a balanced report. In the near future it is planned to present the Trial Grounds Committee with a more detailed report.

Criticisms

Criticisms are as a rule received in the form of letters which are written when folks are emotionally upset. This is not at all ideal. What we need are unbiased suggestions. Send as many of these as you have. They are gladly received. What is done at the Trial Gardens of the American Dahlia Society must stand on its own merits. The writer cannot resist the temptation to publish the following letter which was received unsolicited.

George L. Farnum
Media, Pa.

November 1, 1932.

Mr. Roland H. Patch,
Connecticut Agricultural College,
Storrs, Connecticut.

Dear Mr. Patch:

Your letter of October 22nd reached me immediately after my last letter to you.

I would like to take this opportunity to say to you that in the four or five times I have been at Storrs, I have been much impressed by the excellent way in which the Dahlias are grown, and the great pains taken by you and your assistants and all your staff to grow all the Dahlias on trial in the most thorough and correct way.

I know it is difficult to judge all the Dahlias at the same time, for the simple reason that they are not all in bloom at the one time. I know also, that you have had many outstanding judges from the East visit the trial grounds from time to time and score the flowers that were in bloom at the time of their visit, so that most of the outstanding Dahlias of the season are viewed and judged by competent men other than your immediate staff and the two excellent judges that you have at your disposal, and who live near at hand. In this way every good Dahlia that gives promise and blooms at a seasonable time is scored by these out-

standing judges. I realize that possibly a few shy bloomers have only been seen by your staff and those judges who live near at hand, but I do not know of any way in which the judging could be done more fairly or better than by the method you are pursuing.

I have viewed the trial grounds of England and Holland and one in another locality in America, and I consider Storrs to be the peer of them all, and I wish to congratulate and compliment you on the fair way in which you handle the whole matter.

You are welcome to publish the whole or any part of this letter if you see fit.

With kindest regards,

Sincerely,

George L. Farnum.

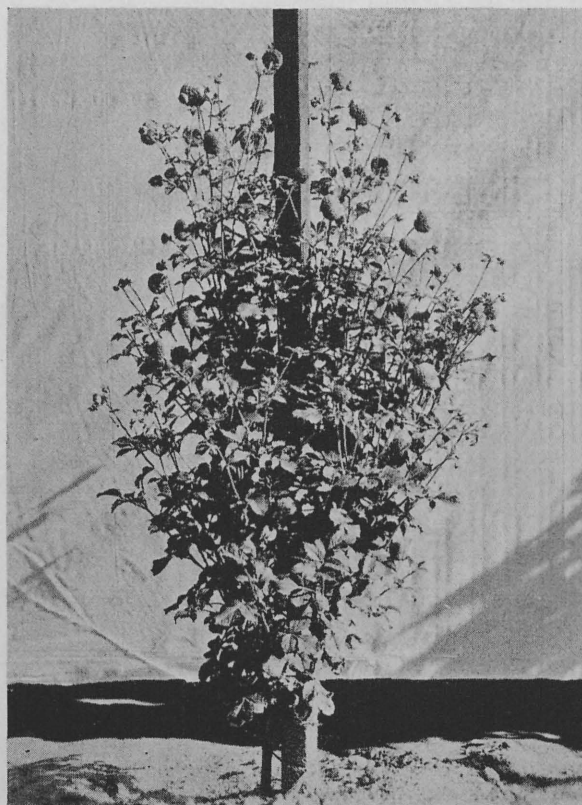
Insects, Pests

We are glad to report that we had little trouble with insects this past season.

Explanations

The figures representing length of stem, size and depth of flowers are the minimum and maximum taken. They cover the general range between these points as far as it was possible to obtain them. The Sweeney scale of points was used in making the awards. Each judge scored the varieties separately, the average of their scores being the amount used as a basis for the final score. The Superintendent of the Trial Grounds has a veto power, which is only exercised at the end of the season after all records are completed, and then only in exceptional cases. An average score of 85 points must be obtained in order to win a Certificate of Merit.

GARY, a new Certificate winning pompon. Spectrum and scarlet red. By Howard J. Frame, Portersville, Calif.



The most recent classification was used. Capitals mean the same as in former reports. In the case of decorative both the words "formal" and "informal" have been used.

The varieties that gained the American Dahlia Society Certificate of Merit are listed together at the beginning of the report. The number in parenthesis () is the number of points awarded in the final check-up.

The small letters c. g. e. referring to the use of the Dahlias have been omitted in this report.

Closing

The thanks of every member of the American Dahlia Society are tendered by the writer to those who have helped in making the Trial Gardens a success during this past year. This carries with it personal thanks as well as that given in an official capacity. The Connecticut Agricultural College and the State of Connecticut should not be forgotten. This institution does much for the Society that isn't known to the general membership.

Certificate Winners at Storrs for 1932

The Following Varieties Were Awarded a Score of 85 or Better

7. WOOLROC, Informal Dec, entered by Emory Jennings, Box 245, Farmersburg, Indiana. (85). General color orange buff, back of petals old rose. Flowering habit late. Stem 7-11 in. extra heavy, flowers on side. Improved by disbudding. Size of flowers 7-9½ in., depth 1¾-3¼ in. Height 5 ft. 2 in.

14. OLA VIRGINIA, 184-O-V, Informal Dec, entered by Mrs. Ola V. Tennant, The Glen Dahlia Gardens, Route 3, Rox 19, Fairview, West Virginia. (85 Color unusual). Outer petals Eugenia red, around center petals orange buff mixed with Eugenia red forming copper color with satiny surface. Flowering habit late, good. Stem 3-8 in. heavy, stiff, crotch, flower on side. Size of flowers 5¾-8½ in., depth 2-2½ in. Height 5 ft. 7 in.

30. NO. 14. MARIANNA, Semi Cactus, entered by Elise and Mary Williams, R. R. 4, Connersville, Indiana. (86 3/5. This variety takes form of decorative when disbudded). Amaranth pink. Flowering habit late but prolific. Stem 7-16 in. medium, stiff, flower facing side, inclined to be crotch. Not improved by disbudding, comes open center. Size of flowers 6¼-8½ in., depth 1¾-2¾ in. Height 6 ft. 6 in.

34. MAN O' WAR, Informal Dec, entered by W. C. Boone, Monongah, West Virginia. (86). General tone is carmine, dark at center, oxblood red. Flowering habit good. Stem 6½-13½ in. medium, stiff, flower on side. Improved by disbudding. Size of flowers 6¼-9½ in., depth 2-5½ in. Height 6 ft. 5 in.

56. ELLINOR M. RADELL, Informal Dec, entered by Adam Felsing, Route 1, Lancaster, Pennsylvania. (85). Mid-center deep rose pink, then petals amaranth pink and some mallow pink. Flowering habit prolific. Stem 2-9½ in., medium, stiff, flower on side, later will face down, crotch. Size of flowers 4¼-7½ in., depth 2-3½ in. Height 7 ft. 7 in.

75. CARMANIA, Informal Dec, originated and introduced by James Stredwick & Son, St. Leonards on Sea, England. Entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (85). Strontian yellow with some flesh pink tones on many petals. Flowering habit prolific. Stem 2-7¼ in. medium, stiff, flower on side. Size of flowers 6½-8¼ in., depth 1¾-3 in. Height 4 ft. 7 in.

80. 827 SATAN, Incurved Cactus, entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (87). Rose red. Back of many petals splashed and striped with baryta yellow. Flowering habit good, late. Stem 11½-16 in. extra heavy, curved and the flower faces the side. Size of flowers 8-11 in., depth 2¼-2¾ in. Height 6 ft. 6 in.

88. 3632. EAGLE ROCK PEACH, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (86). General color deep rose pink, shading down to tyrian pink, at base tips and center light mallow purple. Flowering habit late. Stem 6½-10½ in. medium, stiff, flower on side, a good stem. Size of flowers 7-9¾ in., depth 2½-3 in. Height 4 ft. 4 in.

90. RUBY TAYLOR, Informal Dec, entered by Patricia Dahlia Gardens, 351 Maude Ave., San Leandro, California. (85). Carmine, nearest in book. Flower-

ing habit prolific. Stem 5-15 in., heavy to extra heavy, flower on side, will face down. Size of flowers 5½-9 in., depth 2-4¾ in. Height 5 ft. 6 in.

93. GARY, Pompon, entered by Howard J. Frame, P. O. Box 505, Porterville, California. (85). Spectrum red and scarlet red in bright light. Flowering habit prolific. Stem 1¼-7 in. slender, stiff, flower on side. Should not be disbudded. Size of flowers 1¼-2½ in., depth ½-1¼ in. Height 4 ft. 9 in.

101. NO. 67, Informal Dec, entered by George C. Siebrecht, Chappaqua, New York. (85). Entire flower pale greenish yellow, with light greenish yellow center. Flowering habit good. Stem 1¾-9 in. medium,

ELLINOR M. RADELL, Another Certificate winner, with three shades of pink. This photograph, taken late, undisbudded, does not do this dahlia justice.



1933 Certificate Winners—Continued

stiff, flower on side, some on ends, inclined to be crotchey. Improved by disbudding. Size of flowers 5-9 in., depth 2-3 in. Height 4 ft. 7 in.

128. L-S. Informal Dec, entered by Waite's Gardens, Inc., Eatontown, New Jersey. (85). General color capucine orange, eugenia red at center. Flowering habit prolific. Stem 6-11 in. heavy, flower on side. Later will droop. Slightly improved by disbudding. Size of flowers 5½-10 in., depth 1¾-3 in. Height 5 ft.

129. ORIENTAL GLORY. Informal Dec, entered by R. C. Swartz, 5530 East Michigan St., Indianapolis, Indiana. (85). Grenadine red center, outer rows orange and light orange yellow. Backs of grenadine. Flowering habit prolific. Stem 7-15 in. heavy to extra heavy, stiff, flower on side. Later will droop. Very large flower. Size of flowers 5¾-9¾ in., depth 2-4½ in. Height 5 ft. 10 in.

130. LOIS MARION. Incurved Cactus, entered by L. R. Detjen, Newark, Delaware. (85). Center petals citron yellow, outer rows shrimp pink. Splashed effect. Flowering habit late. Stem 2½-16 in. medium to heavy, flower to the side. Does not seem to be improved by disbudding. Size of flowers 5¾-7¼ in., depth 1¾-2¼ in. Height 6 ft. 9 in.

131. 30-A. ELEANOR LUCE PURRINGTON. Formal Dec, entered by F. L. Purrrington, 315 W. Harrison Ave., Wheaton, Illinois. (85½). Deep rose pink, with yellow tint showing through petals. Noticeable tip. Flowering habit prolific. Stem 3-15 in. medium to heavy, flower on side. Size of flowers 4¾-8 in., depth 1¾-3½ in. Height 5 ft. 9 in.

136. 244. Informal Dec to Pf, entered by Dahliadel Nurseries, Warren W. Maytrott, Vineland, New Jersey. (85). Eugenia red around center, next row light coral red and buff yellow outer row. Good sheen. Flowering habit prolific. Stem 4¼-10½ in. medium to extra heavy, stiff, crotchey, flower on side, some on end, on end when disbudded. Size of flowers 6¼-9¼ in., depth 1¾-3 in. Height 5 ft. 5 in.

138. 240. Miniature Formal Dec, entered by Dahliadel Nurseries, Warren W. Maytrott, Vineland, New Jersey. (85). Rose colored petals with white edges. Flowering habit prolific. Stem 6-11½ in. wiry, flower on side. Size of flowers 3-4¾ in., depth ¾-1½ in. Height 4 ft. 8 in.

141. MYRA HOWARD. Informal Dec, entered by Dahliadel Nurseries, Warren W. Maytrott, Vineland, New Jersey. (87). Light cadmium center petals ochraceous orange. Flowering habit good. Stem 4¾-12 in. extra heavy, flower on side. Size of flowers 5½-10½ in., depth 2-6 in. Height 6 ft. 2 in.

142. MARNIE MANLEY. Informal Dec, entered by Mrs. Ben Carter, Menomonie, Wisconsin. (85). Jasper red with tones of coral red, center pomegranate purple. No exact color in book. Flowering habit good. Stem 6½-13 in. heavy to extra heavy, stiff, flower faces side, will be pendant later. Size of flowers 5-9 in., depth 1¾-4 in. Height 7 ft. 9 in.

148. LONG HILL. Informal Dec, entered by Mrs. Ida Chase, Milan, Michigan. (85). Center, lemon yellow, petals then tinted with flesh color. Flowering habit prolific. Stem 4-13½ in. medium, stiff, flower on side. Size of flowers 5-8 in., depth 2-5 in. Height 4 ft. 10 in.

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General List of Varieties Which Scored Between 80 and 85

With this report of the Trial Ground for 1932, it has been necessary, owing to lack of space, to omit the report on all varieties in the general list which scored below eighty. Each variety has been reported as to its scoring to its originator and therefore it is not essential that those Dahlias which did not score within five points of a Certificate of Merit, be included. Indeed, many growers would prefer that their variety, if classed as a garden variety, not be included in this report. It is with no thought of depreciating any variety that it is not included in this report but rather to list only those Dahlias which have a fair chance of making good among the stiff competition of new novelties which are being produced every year. If you did not receive a report from Dr. Patch on your flower, and if it does not appear on this list below, please write the Trial Grounds at Storrs, Connecticut.

1. AGNES L. YOUNG. Informal Dec, entered by John J. Young, 32 Hawthorn Road, Braintree, Massachusetts. (80½). Small when grown natural. Spectrum red petals and capucine buff tips. Flowering habit prolific. Stem 4-13 in. medium, stiff, flower on side. Size of flowers 5½-8 in., depth 2-3 in. Height 5 ft. 10 in.

4. EVELYN LEE COMBS. Informal Dec, entered by W. A. Combs, 124 Mary St., Bristol, Virginia. (80). Good color, large bloom, good foliage but crotchey and loose arrangement. Thulite pink or deep rose pink. Edge of petals liseran purple. Flowering habit late. Stem 2½-16½ in. heavy, stiff, ideal. Most flowers face heavens. Size of flowers 9-10½ in., depth 3-3¾ in. Height 6 ft. 3 in.

8. FLORENCE LOUISE. only one plant in condition to judge. Informal Dec, entered by Walter H. Osterlander, 28 Oak St., Kingston, New York. (82). Citron yellow, underside petals now and then Daphne red. Flowering habit fair. Stem 5½-8 in. medium, stiff, flower on side, tends to face down. Improved by disbudding. Size of flowers 5¾-9¾ in., depth 2¼-4¼ in. Height 4 ft. 7 in.

9. OZARK QUEEN. Informal Dec, entered by William A. Gadberrry, 909 Olive St., Carthage, Missouri. (80). Late in coming into bloom. Light orange yellow, some flesh color mixed in and on back of petals,

Flowering habit poor, late. Stem 5¼-9 in. medium drooping. Size of flowers 4-7¾ in., depth 1½-3½ in. Height 5 ft. 8 in.

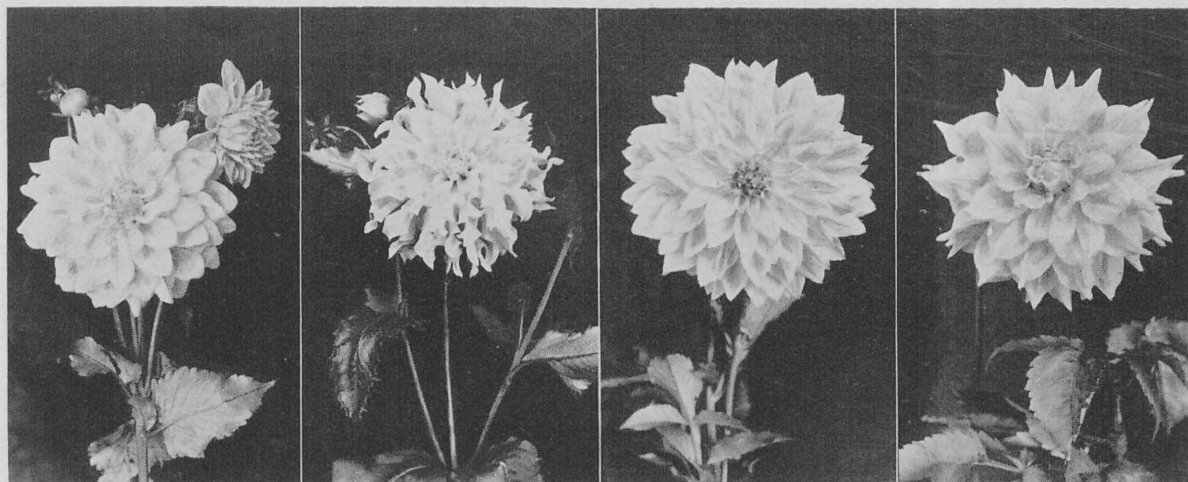
11. SEEDLING. Formal Dec, entered by Harry A. Ludwig, 3808 Frankford Ave., Baltimore, Maryland. (83). Much like Bashful Giant improved. Based on one flower. Difficult coloring. Chamois, mixed with light Corinthian red at center and in petals. Flowering habit good. Stem 4-7½ in. heavy, stiff, will be pendant. Size of flowers 7-8½ in., depth 2-3¼ in. Height 5 ft.

12. 2905. Informal Dec, entered by I. M. Colvin, Princeton, Indiana. (80). Lack of substance. Amber yellow at center, gradually becoming orange vinaceous at tips also underneath petals. Flowering habit good. Stem 4-9½ in. medium, stiff, crotchey, flower faces heavens. Size of flowers 7-8½ in., depth 2¼-3 in. Height 5 ft. 11 in.

15. NANNIE SINE. Informal Dec, entered by Mrs. Ola V. Tennant, The Glen Dahlia Gardens, Route 3, Box 19, Fairview, West Virginia. (81½). Natural flowers better than disbudded. Score based on garden decoration. Cameo pink with deeper tones of thulite pink and base of petals at center pale greenish yellow. Flowering habit prolific. Stem 3-12 in. medium, stiff, flower on side. Size of flowers 5-8¼ in., depth 2-3¼ in. Height 5 ft. 6 in.

17. NO. 77. Informal Dec, entered by E. A. Smith, Box 1152, Columbus, Ohio. (80). Stems bend with weight of flower. May show better in cool weather). Liseran purple, base of all petals white becoming purple at tips. Attractive. Flowering habit late. Stems 3½-17 in. medium, heavy, inclined to droop. Size of flowers 5½-6½ in., depth 1½-2½ in. Height 5 ft. 9 in.

19. PRODIGY. Informal Dec, entered by A. A. Tower, R. F. D. Route 1, Arlington, Washington. (82). Unusual coloring. Back of petals rosolane red, front of petals Baryta yellow finely and delicately splashed with rosolane red. Flowering habit prolific. Stem 4-11½ in. medium, stiff, flower faces heavens, a good stem. Improved by disbudding. Size of flowers 4¾-7½ in., depth 1½-2¼ in. Height 5 ft. 6 in.



Four Varieties Which Came Close to Coveted Award

CAN YOU GUESS THEIR SCORES?

Just to Make It Worth While to Try—A FREE ROOT of "Pastel Glow", a 1931 84 Scoring Variety (On Honor Roll for 1932) Will Be Given to the First A. D. S. Member Sending in Correct Guess of the Score of Each of Above Dahlias. They Each Scored Between 80 and 84 Inclusive.

Seems Easy—Try It.

20. TOWER'S TWISTED TRIUMPH, Informal Dec, entered by A. A. Tower, R. F. D. Route 1, Arlington, Washington. (81). Pale lemon yellow. Flowering habit good. Stem 4-7 in. medium stiff, majority of flowers on side, some on end. Size of flowers $4\frac{3}{4}$ -7 in., depth 2-3 in. Height 7 ft.

24. NO. 16, Informal Dec, entered by W. R. Bibber, Eastport, Maine. (80). Dahlia purple, outer petals shading into pansy purple. Flowering habit late. Stem $6\frac{1}{2}$ -15 in. medium, flower faces down. Size of flowers $4\frac{1}{2}$ -7 in., depth 2-2 $\frac{1}{2}$ in. Height 4 ft. 6 in.

25. TWILIGHT, Formal Dec, entered by C. J. Straight, 311 View Ave., Fairmont, West Virginia. (82). Loses on stem. Liseran purple, many petals pale rose purple. Flowering habit fair. Stem 3-9 in. medium, flower on side. Size of flowers 7-10 in., depth 2 $\frac{1}{2}$ -3 in. Height 5 ft. 9 in.

27. 1929 SEEDLING, Formal Dec to Pf, entered by James F. Minor, 620 Farish St., Charlottesville, Virginia. (82. Off on form). Ochraceous salmon near center and petals salmon color, tips pale salmon color. Flowering habit prolific. Stem 6-17 in. heavy, stiff, flower on side. Size of flowers 6-8 $\frac{1}{4}$ in., depth 2-4 in. Height 7 ft.

32. NO. 18, INDIANA TRIUMPH, Informal Dec, entered by Elsie and Mary Williams, R. R. 4, Connersville, Indiana. (81 $\frac{1}{2}$). Rose red, center oxblood and carmine. Flowering habit late. Stem 4-16 in. heavy to extra heavy, stiff, flower on side and some facing heavens. Improved by disbudding. Size of flowers 7 $\frac{1}{2}$ -9 $\frac{1}{4}$ in., depth 2 $\frac{1}{2}$ -3 $\frac{1}{2}$ in. Height 7 ft. 6 in.

33. ADIRONDACK SUNSET, Informal Dec, entered by F. S. Cackener, 6 Liberty Place, Hudson Falls, New York. (83). Scarlet petals, with pinard backs and tips. Flowering habit late. Stem 6 $\frac{1}{2}$ -10 in. medium, pendant. Size of flowers 7-7 $\frac{3}{4}$ in., depth 2 $\frac{3}{4}$ -3 $\frac{1}{2}$ in. Height 5 ft. 11 in.

37. SEEDLING J-69, AUTUMN QUEEN, Informal Dec to Pf, entered by G. W. Johnson, Box 69, Jackson, Ohio. (80. Open center). General color empire yellow, petals around center apricot yellow with satin sheen and a few touches of old rose on many petals. Flowering habit good. Stem 5 $\frac{1}{2}$ -11 $\frac{1}{2}$ in. extra heavy, flower facing down. Size of flowers 7 $\frac{3}{4}$ -10 $\frac{1}{2}$ in., depth 1 $\frac{3}{4}$ -2 $\frac{1}{4}$ in. Height 7 ft. 2 in.

39. EVELYN, Informal Dec, entered by George L. Farnum, Media, Pennsylvania. (83. Good color, good formation, late in coming into bloom). Nearly pale lemon yellow with tones (very faint) of coral pink. Very soft, delicate coloring. Flowering habit late. Stem 2 $\frac{3}{4}$ -9 in. heavy, stiff, flower on end, will droop. Size of flowers 5 $\frac{1}{2}$ -8 in., depth 2-3 in. Height 5 ft. 6 in.

40. SIMPSON SPECIAL, Formal Dec, entered by Riverview Dahlia Gardens, F. V. Pfeffer, Box 264, Martins Ferry, Ohio. (82). Outside petals pale vivid yellow changing toward center to pale greenish yellow. Flowering habit fair. Stem 6-12 in. medium, stiff, flower on end facing up. Size of flowers 6 $\frac{1}{2}$ -6 $\frac{3}{4}$ in., depth 2 $\frac{1}{2}$ in. Height 5 ft. 8 in.

42. MISS TENNESSEE, Informal Dec, entered by Clifford Giffin, 608 Island Home Pike, Knoxville, Tennessee. (82 $\frac{3}{4}$. Judged by natural flowers). Pure white with pinard yellow tints at center, outside petals faint pinkish tint near tips. Flowering habit prolific. Stem 3 $\frac{1}{2}$ -10 in. medium to extra heavy, flower on side. Size of flowers 5 $\frac{1}{4}$ -8 in., depth 2-3 $\frac{3}{4}$ in. Height 4 ft. 8 in.

45. SEEDLING NO. 11, Informal Dec, entered by Rushmohr Dahlia Gardens, 52 South Kensington Ave., Rockville Centre, L. I. (80). Rhodamine purple, back of petals mallow pink. Flowering habit prolific. Stem 4 $\frac{1}{2}$ -10 $\frac{1}{2}$ in. slender, stiff, flower on side. Size of flowers 5-8 $\frac{1}{4}$ in., depth 1 $\frac{3}{4}$ -2 $\frac{1}{2}$ in. Height 4 ft. 8 in.

46. DICK RADFORD, Formal Dec to Pf, entered by Mrs. Dora Radford, c/o Peerless Mills, 315 S. Second St., Miamisburg, Ohio. (80. Off form, good stem, good foliage). Light mallow purple, darkening in center to rhodamine purple. Flowering habit good. Stem 7-13 in. heavy, stiff, flower on side. Size of flowers 6-7½ in., depth 2-4 in. Height 5 ft. 8 in.

47. 30-39, Informal Dec, entered by Clifford E. White, Grosse Ile, Michigan. (80). Jasper pink center, then the petals became capucine buff tinted with the pink. Flowering habit prolific. Stem 2-11½ in. medium to extra heavy, stiff, flower faces the heavens, crotchky. Size of flowers 5¾-7 in., depth 1½-2½ in. Height 4 ft. 1 in.

49. MARTHA, Informal Dec, entered by Judge J. S. Clark, Gallipolis, Ohio. (84. Open center, late, good commercial, good stem and color). Mixture of pale rosolane purple and light rosolane purple. Good pink. Flowering habit late, fair. Stem 6¼-19½ in. heavy, stiff, erect, flower on side, ideal stem. Not improved by disbudding. Size of flowers 5-7½ in., depth 1½-2¼ in. Height 7 ft. 2 in.

50. LADY FRANCES, Informal Dec, entered by Judge J. S. Clark, Gallipolis, Ohio. (80. Late, crotchky, flowers face down). General tone primuline yellow with tints of flesh ocher at center and showing through petals from the back. Flowering habit late. Stem 8-15½ in. medium, flower faces the earth, will be drooping later. Size of flowers 6-7 in., depth 2-2½ in. Height 6 ft. 8 in.

58. NO. 223, Informal Dec, entered by Hillside Farm, Austinburg, Ohio. (82). Petals scarlet with empire yellow tips and blended in more or less. Back of petals maize yellow. Striking color. Flowering habit good. Stem 5-13 in. medium to extra heavy, will droop. Improved by disbudding. Size of flowers 5-8¼ in., depth 1¾-3 in. Height 6 ft. 2 in.

59. NO. 224, Informal Dec, entered by Hillside Farm, Austinburg, Ohio. (82). Rose color, outer petals deep rose pink. Tips noticeable. Flowering habit prolific. Stem 6-18½ in. medium, pendant. Size of flowers 5½-8 in., depth 2-3½ in. Height 6 ft. 10 in.

60. MARIETTA N., Semi Cactus, entered by Miss Addie C. Adams, Route 2, Livonia, New York. (80). Rhodamine purple, unopened petals somewhat darker. Flowering habit good. Stem 4½-11 in. slender, stiff, flower on end and some on side, crotchky. Size of flowers 5¼-7 in., depth 1¾-2½ in. Height 5 ft. 9 in.

64. BONNIE BELMONT, Informal Dec, entered by Lee Cochran, 213 No. 8th St., Martins Ferry, Ohio. (83 2/5 soft bloom, good yellow). Light greenish yellow, now and then petals of vivid yellow. Flowering habit prolific. Stem 3-7 in. slender to extra heavy, flower on side, inclined to be crotchky. Size of flowers 5¼-9½ in., depth 1½-3 in. Height 5 ft. 7 in.

68. KINGSTON, Informal Dec, entered by F. D. Sanborn, 2619 Kingston Road, Cleveland, Ohio. (81. Robert Treat color). Tyrian rose becoming nearly tyrian pink backs and ends of petals. Flowering habit prolific. Stem 3-7 in. medium, stiff, flower on side, will be pendant. Size of flowers 5½-7 in., depth 2-3 in. Height 5 ft. 4 in.

71. SEEDLING, Informal Dec, entered by Milton F. Untermeyer, 900 Ocean Ave., Elberon, New Jersey. (80). Deep rose pink, aster purple center. Gold sheen on some petals. Flowering habit prolific. Stem 3-10 in. slender to extra heavy, flower on side, crotchky, improved by disbudding. Size of flowers 3¾-7½ in., depth 1¼-2¾ in. Height 6 ft. 6 in.

72. NO. 100, Informal Dec, entered by C. H. Durnil, 165 Pennsylvania Ave., Louisville, Kentucky. (84. Late). Old rose center with capucine orange on many petals, which are light orange-yellow with streaks or fine stripes of old rose. Hard to describe. Flowering habit fair. Stem 2½-13 in. heavy, stiff, flower on side, will droop. Size of flowers 5¾-8½ in., depth 1¾-4 in. Height 4 ft. 9 in.

73. MISS SHERRILL, Formal Dec, entered by John W. Barkhuff, Sherrill, New York. (80). Scarlet red, and border and backs of petals, pinard yellow and buff yellow. Flowering habit prolific. Stem 3¼-7 in. slender, wiry, flower on side. Not improved by disbudding. Size of flowers 4¼-6¼ in., depth 1¼-2 in. Height 5 ft. 3 in.



This Miniature Scored 83. Can you tell why it did not get a Certificate from the picture.

74. MISS ANNIE LILE, Informal Dec, originated and introduced by James Stredwick & Son, St. Leonards on Sea, England. Entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (82). Center violet purple, then pale amparo purple and also shading into phlox purple. Flowering habit good. Stem 2-7 in. slender, erect, flower on side. Size of flowers 5-8 in., depth 1¾-2½ in. Height 4 ft. 2 in.

76. DAILY MAIL, Informal Dec, originated and introduced by James Stredwick & Son, St. Leonards on Sea, England. Entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (84. Late). A mixture of light buff and warm buff, a little lemon yellow at base of petals around center. Flowering habit prolific. Stem 6-10 in. medium, stiff, flower on side. Size of flowers 6-7 in., depth 1½-2¾ in. Height 5 ft. 5 in.

79. 3582, Informal Dec to Pf, entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (81). Pale lemon yellow petals, all tipped and striped with spectrum red. Backs maize yellow. Flowering habit prolific. Stem 4½-11½ in. slender, stiff, flower facing down. Later description poor stem, pendant. Size of flowers 5-8 in., depth 1-2 in. Height 5 ft. 8 in.

81. 201-30, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (81 5/6). Coral pink, old rose near center, effect of the coral pink shining through yellow. Flowering habit prolific. Stem 2½-13½ in. heavy, stiff, flower on side. Size of flowers 6¼-8¼ in., depth 1¾-2¾ in. Height 4 ft. 10 in.

82. 3603, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (83). Yellow ocher with backs of light jasper red. The whole effect is a coppery yellow sheen. Flowering habit prolific. Stem 1½-6½ in. medium, stiff, flower on side. Extra heavy stem when disbudded. Size of flowers 5½-8¾ in., depth 2-3¼ in. Height 5 ft. 1 in.

(Continued on page 41)

Derrill Hart's Honor Roll for 1932

Owing to Many Requests we Reprint American Home Selection of Better Dahlias

For many years a selection of the outstanding Dahlia varieties of the current season has been made by Derrill W. Hart and published in the December issue of the American Home magazine. This honor roll has become an institution among Dahlia lovers. The selections made have down through the years, included a high percentage of the show winners and those Dahlias which have made good from one end of the country to the other.

The reasons for the accuracy shown in picking the varieties which in most cases are the outstanding ones of the year are not hard to find. Derrill Hart is probably the most sought after Dahlia judge in the country today. He has been show manager for the A. D. S. for the past four years and in these exhibitions, there has been ample evidence of his good judgment and ability. Further he has given unstintingly of his time to the society and never has refused to judge a show where his business affairs would permit.

He has served for many years on the executive board of the society and this year was elected to a vice-presidency. He is one of our most faithful members in attendance at meetings. His advice and opinions are sought by growers everywhere.

Up to this time no mention has ever been made or list quoted of the Honor Roll in the editorial columns of the A. D. S. BULLETIN. However, in the advertising columns the fact that a Dahlia has been named on Hart's Honor Roll is about the highest recommendation outside of a Certificate of Merit at Storrs, that a Dahlia can possibly obtain. It is with a great deal of pleasure, therefore, that the editor of the BULLETIN asked and received from vice-president Hart and the American Home magazine permission to publish the 1932 Honor Roll. We have had many requests to make this list available to our members. We therefore gladly supplement the Trial Ground report with Hart's selection of the better Dahlias for 1932.

1932 NOVELTIES OF MERIT

AMELIA EARHART (Cordes-Eastman) Semi-cactus. This variety, chosen by the aviatrix herself on one of her visits to the West Coast, is undoubtedly the champion exhibition flower of the year, and has made, I believe, the most impressive first-year show record of any Dahlia at any time. It met all comers from coast to coast and came out with colors flying. It is a very large, well-proportioned, and artistically formed combination of apricot-buff with primrose at the base of each petal. Throughout the flowers, and particularly when they are young, are tints and sometimes stripes of salmon. However, the flower gives a one-toned color effect of clear apricot-buff.

JEROME KERN (Veile & Mendham) Informal-dec. Although this made a most impressive show record, I certainly would say that its most distinctive characteristic is its clean-cut beauty and its ability to hold that beauty several days after being cut. It started the season by winning the Gold Medal Seedling Class as Best Undisseminated Seedling at Atlantic City. It is a long-petalled, graceful flower with a background of shrimp pink with decided tints of gold and bronze. The

reverse of the petals is bright old-rose, and as they curl at the end, this gives a cheerful mark of character to the entire effect of the flower.

CAMEO (Fisher & Masson) Inf.-dec. Here my choice would fall if I had to pick out the most unusual and pleasing color among the novelties shown in 1932. A shade halfway between old rose and salmon, but brighter in effect than either color. The general appearance is of a bright old rose-pink. It is distinctive! Colors such as shown by this flower are needed in the Informal-decorative class.

ROBERT EMMETT (Moroney-Dahliadel Nurseries) Inf.-dec. I predict a great future for this Dahlia. The first public recognition given was as a Certificate of Merit variety at Storrs in 1931. A deep, high flower of fine form and large size, but it is richness of color that gives it its distinction, a shade halfway between carmine and cardinal. The effect is the richest red I have seen in any Dahlia.

FULL MOON (Ballay-Success) Inf.-dec. Although this monster yellow was disseminated in 1932 I did not see it until the current blooming season. It is a wide-petalled flower of clear golden yellow, and during the show season just past won many prizes as Best Yellow.

PALO ALTO (Ballay-Success) Semi-cactus. Will surely be one of the sensations of the coming 1933 show season. It is a finely formed, big flower of bright salmon and tan combination.

THE SUN (Dudley-Ruschmohr) Semi-cactus. Here is one of the clean-cut gems of the Dahlia world, and a welcome addition to its special class, where so few good new varieties are being shown. The Sun is an aptly named flower of a clear, brilliant, sunlight yellow. The color is very definite and very bright; the shape much like Edna Ferber. With its clear color The Sun ought to win its share of prizes in both color and type classes.

MONMOUTH GENERAL (Kemp) Inf.-dec. Again I include a novelty of distinctive new shade of color. The nearest I can get to naming it is a bright henna, somewhat the same tone as F. W. Fellows. It is a large, full-petalled flower of great beauty. The long, wavy petals darken at the center to a rich terra cotta.

WILLIAM J. RATHGEBER (Parella) Inf.-dec. This was not shown in competition during the season, but was one of the outstanding novelties at the American Dahlia Society Show at New York. It is fitting that a really fine Dahlia has been named to honor the memory of a man who served so long as the secretary of the American Dahlia Society. Here is a Dahlia with a color all its own, essentially a red, and will be popularly known as such; but actually in daylight it is a definite rose-scarlet with rose tints at the ends of the petals. It shows practically no tendency to fade in normal weather and is a fine upright grower. It is a seedling of Bagdad, and under artificial light resembles that flower very much, but in daylight it entirely loses the resemblance and shows its own distinctive color.

LADY MOYRA PONSONBY (Elder) Inf.-dec. The sensation of the Northwest, this regal Dahlia traveled from British Columbia to Seattle, where it won the American Home Achievement Medal as Best Undisseminated Seedling. This is the first time that a Canadian is to be congratulated on winning this medal. At the Vic-

Hart's Honor Roll—Continued

torial Provincial Show in August it won the American Dahlia Society Silver Medal for the Best Three-Year-Old Seedling. Incidentally, one of the blooms in the basket winning that award measured $15\frac{1}{2}$ inches across and 9 inches deep! In spite of its size it is a graceful flower of vivid golden-yellow.

COLONIAL DAME (Veile & Mendham) Semi-cactus. The color is clear lavender shading almost to a blue in the sunlight, but a live, clean-cut color. In form it resembles Frances Lobdell.

WHITE WONDER (Kemp) Inf.-dec. This big white has been called for two years by the originator, White Fort Monmouth and, perhaps, no more fitting description could be given to it. A clear white with very much the same formation as Fort Monmouth and the same long, graceful, wavy petals, it won as Best Undisseminated Seedling in the Open-to-All at Red Bank.

STRONGHEART (Ballay-Success) Inf.-dec. This was not exhibited during the season, but I saw it growing and was impressed with its lovely color and fine form.

LA FIESTA (Cordes-Eastman) Inf.-dec. One of the season's outstanding winners and probably the most distinctive of the new Dahlias in actual form. Won the Court of Honor Prize at Camden, also as Best Informal Decorative Seedling at New York, Pennsylvania Horticultural Society Show, and at Richmond, Va.

JAMES KIRBY (Badetty) Inf.-dec. Winner as best 1932 Introduction, Ten Blooms on Long Stems at New York, also as Best Red in the Open-to-All Section in Rockville Centre. The color is a bright, rich cardinal red on well-formed, deep flowers, with extra good stems and foliage.

SANKO (Alling) Semi-cactus. Just what this name means I don't know, but I can say it was given to a very beautiful good type Semi-cactus flower in a clear, pleasing combination of orchid, lavender, and silver.

HILLCREST MANDARIN (Scott) Inf.-dec. A flashy big flower, brilliant oriental scarlet and golden yellow, one of the brightest color combinations I have ever seen in a Dahlia. The plant is a thrifty grower and a free bloomer.

JANE DEW (Dew) Inf.-dec. No Dahlia in this 1932 review has, I believe, a better chance of success when disseminated than this magnificent pink. It is, I think, the pinkest pink Dahlia of all the large flowered varieties. The color is as true as in A. D. Livoni.

SETH PARKER (Redfern) For.-dec. Here is another fine flower from California, and from a standpoint of color and growth rate it is one of the most distinctive of the new things. The color is peach pink shading towards old rose; in general appearance it is not unlike Buckeye Bride, but is a larger flower.

POT O' GOLD (Chappaqua Dahlia Gardens) Inf.-dec. A free blooming, clear yellow in a graceful, big flower. It is a good type informal with very long, wavy petals. Both the face and reverse of the flower are clear yellow, giving an unusual richness in pastel shade.

PASTEL GLOW (Artland-Ruschmohr) Inf. dec. A magnificent Dahlia. A large, deep high-centered flower of pastel pink. Against artificial light I have never seen one more beautiful. Deep with broad petals.

FLORENCE LOUISE (Ostrander) Semi-cactus. This Dahlia caught my fancy at the New York Show. It has an impressive record as a 1932 prize winner—Largest and Best Bloom at Trenton—and also winning the Undisseminated Seedling prizes at Poughkeepsie, Albany, West Park, Rosendale.

JERSEY'S MAJESTIC (Waite) Inf.-dec. A giant Dahlia and naturally large under normal growing conditions. The color is a pleasing blend of salmon, old rose, and gold.

HILLCREST ROYALIST (Scott) Inf.-dec. This is a big, richly colored flower of Burgundy wine red enriched by a background of vermilion-violet. This combination of colors gives this flower a richness seldom seen in red.

EAGLE ROCK PRINCE (Broomall-Success) Formal-dec. A wide petalled combination of autumn colors. Rich and distinctive, and a worthy companion to the good varieties that have come from this originator.

MR. WHITNEY SUNSET (Frame) Miniature-dec. This is the first American Miniature ever featured in this Honor Roll. It is also, I believe, the first American Miniature to receive a Certificate of Merit at the American Dahlia Society Trial Grounds at Storrs in 1931. It is a gem of a Dahlia from the beginning of the season to the end, and a prolific bloomer.

MONMOUTH PENNANT (Kemp) Inf.-dec. The most impressive bicolor among the new comers and one of those flashy combinations that show all the way across the show room or the garden. The colors are orange-scarlet and white and are defined sharply and evenly on each petal.—From *The American Home Magazine*.

Derrill W. Hart.

Field Day at the Trial Grounds, Sept. 17, 1932, brought a large group of members.—(Photo by Prof. Manter.)



The Dahlia Forum and Experience Corner

Where Every Member Can Give Advice and Get Pointers on Culture

On Weeds, Insects, Soil and Such

Question by M. L. Butler, Kansas City, Kansas.

I have read the articles in your section of the A. D. S. BULLETIN. They are very interesting and helpful; especially to amateurs. I'm happy to know that there's a common meeting ground where Dahlia lovers can discuss their problems and experiences. Mine so far are mostly problems.

My small Dahlia garden is almost surrounded by weeds over which I have no control, and the past season has been hot and very dry, and the garden seemed to be a feeding ground for hordes of insects with ravenous appetites. I sprayed diligently with pyrethrum, with very good results against the sucking insects, but there seemed to be a new crew of the chewing insects to begin chewing as soon as the foliage dried. They ruined many buds on my prized varieties, several of which I had only one plant. About September 1st I gave one thorough spraying with arsenate of lead (two heaping tablespoonfuls to the gallon) to control a brown worm which bores into the bud. The arsenate, without burning the plants in the least, was very effective against the worms, which cannot be controlled with pyrethrum because, in the younger stage they are found between the calyx and bud, under outer petals of opening buds, and in the folds of very young leaves where they make a web holding the leaf folds together. But arsenate is very undesirable, whitening bloom and foliage making them very unsightly generally, and particularly unfit for exhibition. Can you tell me the name or ingredients of a spray, and where it may be obtained, that will leave a residue poison for chewing insects, and not discolor the bloom and foliage (preferably one that can be mixed with commercial pyrethrum sprays)? If you can I will certainly appreciate it, and feel that my greatest problem will be solved. I have concluded that in the existing environment it is well nigh impossible to control the chewing insects with a contact spray.

I have graded my garden to retain the moisture which falls on it (for civic and physical reasons). And before spading, i. e., while it was yet smooth, and level in one direction, I applied 1½ inches of green cow manure—guaged to know how much, and for even distribution—and the same amount of sand. A lot of work you'll say, but work with Dahlias is my recreation. I have treated in this way space for about thirty plants (3½ by 5 ft.) I have other ground with the same amount of sand, and some not treated at all. The soil is known as Brown Loess, and fertility was just fair, but of rather fine texture having a tendency to crust or bake after rains. Will the above treatment produce vigorous roots which will in turn produce vigorous, well balanced plants the second season, or should the manure be balanced with potash and phosphoric acid applied in the spring, and how much of each would be about the right amount, and would lime applied and worked in with the potash and acid phosphate be harmful or dissipate their value? If you recommend the potash, phosphoric and lime, I in-

tend to grow some early root vegetables such as beets, onions, and radishes unless you advise otherwise. Perhaps the root growth of the early vegetables and the cultivation will help to decompose and mix the fertilizer and aerate the soil. The aim is bigger and finer Dahlias.

Please tell me how I can get a complete list of the Dahlias which are now, or have been within the past five years, on Mr. Hart's Roll of Honor, or on Mr. Norton's Tried and True. Of course these lists may not be an infallible guide to Dahlias for this section, but they with other information would aid greatly in selection of really meritorious varieties.

Answer by Charles H. Connors, ornamental horticulturist, New Jersey, Agricultural Experiment Station.

The problem of our neighbor's weeds is one that is always with us.

The best thing that could be done would be to burn the land over. This would, of course, require permission, but such permission is usually readily given. Burning should be slow and thorough, in order to destroy all wintering adult insects and eggs. The next step would be a buffer strip between the weeds and the garden, either inside or out. Such a strip should be kept clean. Depending upon the type of insects, control measures might be used on the strip (in the form of poisoned bran bait) or on the margins of the strip (spraying with arsenate of lead, using flour or calcium caseinate as a spreader, or by using coated arsenate of lead).

There are chewing insects difficult to control because of the effect of sprays and dusts upon the appearance of the flowers and plants. Of course a good pyrethrum-soap spray should kill every insect with which it comes in contact, but one needs to be a sharp-shooter and to be continually on the job to control chewing insects in this way. Recent work with derris root has shown that a dust which contains the powdered root (not the extract Rotenone) will be effective for a week or 10 days against chewing insects.

As to the soil preparation, the addition of sand to a heavy soil is desirable, but it should not be turned under to too great a depth, but rather worked into the top 4 inches of soil. What the soil seems to need, however, is organic matter. Old gardeners recommend cow manure, and where sufficient can be obtained, it no doubt will be very beneficial. However, the best form of organic matter is a decayed stable manure that has contained plenty of straw. This should be worked into the top 3 or 4 inches after the soil has been dug and pulverized. This treatment will inhibit baking. Cow manure alone will not contain sufficient nutrients for plant growth. The safest plan is to view organic matter as a soil improvement measure and not to depend too much upon the nutrients it will furnish. In addition to the cow manure, the garden should have an application of superphosphate (acid phosphate) and potash. The amount suggested would be 4 pounds of superphosphate and 1 pound of muriate of potash applied to 240 square feet. The manure may furnish sufficient nitrogen to start growth, but it may be necessary to add more later.

Dahlia Forum—Continued

Soil should not be limed unless a test shows there is need for it. Samples sent to any Agricultural College or Agricultural Experiment Station will be tested, probably free of charge. The proper Ph for Dahlias is about 6.5. A little above this, up to Ph 6.8, will be suitable. Lime is better applied by itself and about two weeks before or after fertilizers, if there has been rain in the meantime.

In the matter of fertilizing Dahlias for best all-around results, there is no set rule. We should always add an ample supply of phosphorus and potash. One should learn to judge from the appearance and feel of the plant parts whether nitrogen is necessary or not. The fundamental facts to keep in mind are:—(1) that an excess of nitrogen at the beginning of the growing season is apt to produce soft, succulent growth with the liability of no flowers, few flowers or late flowers: there must be kept a proper balance; (2) that rather steady development during the growing season will insure good feeding root development; (3) that the size of flowers may be increased by using a readily available form of nitrogen after buds set (e. g., nitrate of soda, sulphate of ammonia, manure water, poultry manure, sheep manure, urea, etc.); (4) that the use of this stimulating material must be delimited so that the plants utilize it rather quickly. To apply it during the period when the storage roots should be forming will reflect on the keeping quality of the tuberous roots and upon the succeeding year's crop. Unless one has made trials upon his own soil, it is not wise to apply a stimulant later than 4 weeks (and better 6 weeks) before the frost that will cut down the plants. The reason is that during this period it is desirable to have a slowing down of growth, so that the sugars manufactured in the leaves may be stored. An excess of nitrogen will cause part of the carbohydrates to be utilized again for growth, at the expense of storage in the roots.

Answer to last paragraph of Mr. Butler's letter by Ye Conductor.

Dr. Marshall A. Howe, chairman of the Nomenclature Committee of the A. D. S., is engaged in compiling a new and up to date list of Registered, Certificate of Merit and general catalogue names. This will include Dahlias of not only this country, but will be practically a world wide list if present plans are consummated. It is quite likely that this will be published and sold at cost of printing and mailing and will be the official A. D. S. standard name list. Supplements to this master list could be published, say every two years, which would give a authentic name guide. At present there is no such list available at any price. Dr. J. B. S. Norton's 1928 list is the last Dahlia name compilation.

On Diseased or "Just Sick" Soil

Question by B. H. Pelzer, New York City.

I have read the Forum articles in the American Dahlia Society's BULLETIN with considerable interest. I have not found in them any suggestions as to helping ground that has become infected with a disease.

This year I have had very poor results with most of my plants. (I grow about 300.) They did not reach the size of former years and I have noticed that some sections of my garden have not done well for the past two years, producing quite a number of stunts and plants that would soon have their leaves wither and dry on the stems. A few have been left with almost bare stalks. Of course we had a dry season and the plants received

no extra watering. Even Jane Cotel and Mrs. Warner did not have a robust growth. My bulbs had been dusted with dry sulphur and kept in a cold room in the cellar the past winter and came through in good shape. All the sulphur was removed from them before planting.

Have you any suggestion as to disinfecting the ground? Do you think covering the bulbs when planting, with sulphur, would be advisable?

I have given up storing clumps in peat moss, as I had a large percentage of stem rot. I did not use sulphur in the peat moss.

Answer by Frederick E. Dixon, Scotch Plains, N. J.

I very much question that your soil is diseased. Basis for doubt is placed upon my own experience with own soil which at one time was reported diseased by the soil experts. To me "diseased" means incurable, so I doubted it then and results since have proved that belief. At that time, many perennials thrived but Dahlias would not. If my soil was diseased, how could the growth be so good for some plant life and so poor for others (Dahlias)? No, it was not disease but a case of trying to grow a Dahlia in soil that happened to be for a different plant. So before recommending improvement for your soil some of the Dahlia's requirements should be reviewed.

Recognized authorities have discovered that the Dahlia species prefer a circumneutral soil, which is another way of stating that it should not be too sweet or too sour. This can be definitely determined by a soil test, also by plant growth, which of course would be slower and possibly less definite. Authorities have also discovered that nitrogen, potash and phosphate are materials that increase Dahlia growth if applied in proper quantities and form. From the same source it is known that these materials can not be taken up by the Dahlia unless in solution and both air and water are required to accomplish this. Also that a soil can be so porous that this solution leaches past that part of the Dahlia that should receive it. Then, there is the opposite condition, when the soil is water-logged, shutting out air. It is also known that too much of one material weakens others and I have found that it also increases sweetness.

There also might be mechanical conditions such as oil from a garage drain that has found its way into the garden drain which throws off gas. Animal-organic condition is another, such as wire-worms, ants or grubs feeding on the fine roots. For the latter I would suggest carbon bisulphide, using 5 lbs. per 125 square feet. Instructions as per label on can and the cost should be about 14 cents per pound from a chemical house. The gas from this chemical kills all animal bacteria but not vegetable.

In recommending improvement for your soil I suggest that you select from the above that which has caused the sick condition and proceed to correct it in the manner suggested elsewhere in this issue under "Soil—Diseased or Sick." My own opinion is that you have distorted the food constituents of your soil by unbalanced fertilizations.

1933 Will Be the Big Year for Dahlias

The Central States Dahlia Society, Inc., announces that it has made definite arrangements with the Horticultural Exhibits, Inc., to take full and complete charge of the DAHLIA WEEK exhibition to be held in the large and beautiful hall now in course of erection and located on the shores of Lake Michigan, on the World's Fair Grounds, in connection with the Century of Progress exhibition.

The Central States Dahlia Society will sponsor the first international Dahlia exhibition on September 16th and 17th, 1933, in connection with the Dahlia Week, at the Horticultural Hall, at the World's Fair, and on September 17th to 22nd, both inclusive, will continue to hold daily competitive exhibitions of Dahlias at the same place.

Over 3,000 invitations have been sent to Dahlia growers and lovers all over the world to come to Chicago and participate, and over 25,000 blooms are expected to be displayed and exhibited in competition for medals, trophies, silver cups, certificates of merit, honor and achievement, and also thousands of valuable roots of all kinds.

International, national, state, inter-state and intra-state societies will go in active participation for beautiful displays of Dahlias for prizes and awards in cash and certificates.

The Central States Dahlia Society also announces that the horticultural and concessions committee and our society have completed arrangements whereby the Central States Dahlia Society will have charge of the planting of not less than 2,000 Dahlia roots on the World's Fair grounds. This makes it possible for the visitors to the fair to see in actual growth the very best of the modern Dahlias.

There will be a special display of catalogues, books, pamphlets, and printing matter on Dahlias, and Dahlia literature. A very special feature will be the beautiful displays of State societies in active competition for high honors with other State societies.

There will be a banquet and Dahlia congress at the show. Also steps will be taken to perfect active support for our national organization the American Dahlia Society.

Rev. P. Oswald, Mission Gardens, Techny, Illinois, who is the chairman of the World's Fair International Dahlia Show, will answer all inquiries for space for commercial shows; also as to the matter of planting of roots at the World's Fair. There will be a minimum charge of \$5 for growing of roots, or \$1 per root, with no limitation as to quantity, but no reduction of price.

R. E. Berlet, President.

More About Roots and Leaves

By CHARLES GARRITY, SAN LEANDRO, CAL.

In the last Forum, I was interested in the article on "Mother Tuberous Roots." I would like to add my experience. About seven years ago, I was given a mother root of Alice Whittier, with an order of Dahlia roots. (These kindnesses have happened to all of us.) This variety was new at the time, so I prepared a bed for it and gave it a little extra care. From the plant which grew I cut four flowers in September, first week. Two of them I exhibited at the Palace Hotel show in San Francisco. One of them was judged the most perfect bloom in the show while the other was judged the best cactus. The other two blooms were exhibited at San Leandro with the same result—best in show and best cactus. But, note this, when I planted the root I cut it in half. This helps the old root to die out. At least that is my contention and I know it makes a healthy plant and better flowers.

And just a word on the decayed leaves business. I always add leaf humus to my garden and I find that it grows better Dahlias. But, here's my method of

decaying them. I get a small sack of "Adco" from my seed store and then I make layers of leaves and scatter a thin layer of "Adco"—then I put a layer of Dahlia stalks, stems, etc., then another layer of leaves, then "Adco" and so on throughout the whole heap and then I cover the whole heap, "leaving" it till Spring when I put it on the land and dig or plow it in.

O. K., Mr. Garrity, we want fact experiences. Every one who thus contributes to the sum total of Dahlia culture is aiding A. D. S. members. And that's the sole objective of this society to advance Dahlia knowledge.

On Wearing Out the Soil

Question by Mrs. J. W. Hood.

I have grown Dahlias on the same land for seven years. Can I continue to grow them in this same soil successfully. Will soil become Dahlia sick? Please answer through Forum.

Answer by Conductor: You did not say if you had added fertilizer. I would say that you could continue indefinitely to grow Dahlias if you return to the soil the chemical elements which the Dahlias consume. These are nitrogen, phosphoric acid and potash. W. H. Waite says that the best concentrated fertilizer for production of robust Dahlias consists of nitrogen, 2 per cent, phosphoric acid, 10 per cent and potash, 6 per cent. He also advises addition of manures when plowing or before, and addition of compost or rotted vegetable manures. Lime should also be used to set free other plant foods listed above. To answer your question does land become Dahlia sick after a time, please read F. E. Dixon's article on opposite page.

On Leaves and Lime

By B. H. PULZER, 42 BROADWAY, N. Y.

The Forum is surely interesting. I can pick some ideas there which explain some of my Dahlia troubles. For instance, for the past two years I have had all my leaves trenched in the space where I plant Dahlias. Have done this again this Fall, prior to receiving the BULLETIN. When my leaves were put in they are sprinkled with a liberal supply of hydrated lime. This was done to aid in making the leaves ready for food and equalize acid, and make their humus value more quickly available to soil. As a further correction I am going to place additional lime on my garden space shortly, and then again in early Spring. My leaves are trenched deeply enough so that Dahlia roots do not come into direct contact with the decaying leaves. I plant the roots six inches below surface. Would you think it advisable to place a small amount of lime in the hole for the root, mixing it thoroughly?

Conductor's Note—Your method of placing leaves mixed with lime below where roots are planted should work out fairly satisfactorily—provided you do not continue until soil has too much humus—or until it has an excess of lime. Adding lime three times a season is perhaps too much sweetening. It would be advisable to have your soil tested for acidity, humus, etc. We are not advertising any particular soil chemist but will furnish names of several on request. We would not mix lime in hole where root is planted unless we were certain from analysis that soil was hyper acid. It is best to have the opinion of an expert on this—and the cost of such opinion is reasonable.

(Continued on following page)

Dahlia Forum—Continued

Is Interest in Large Dahlias Waning?

Question by H. S. Rahmlow, Secretary, Wisconsin State Horticultural Society.

I would like to have your opinion in regard to a question that has been troubling me for some little time. In the September 22nd issue of the *Florists' Review* one of the judges of the New England Dahlia Society Show in Horticulture Hall at Boston makes the statement: "It appears that there is a dwindling interest in the large type and an increasing one in those of lesser size."

Do you find this to be true generally in the East. The reason I am asking this question is because a month or two ago I advocated to the Wisconsin Dahlia Society officers that they increase their premium list to take in premiums for the pompons, singles, collarettes and other small types because I thought there was an increasing interest on the part of the public in them.

The superintendent of the show objected. I also urged that classes be included in the artistic arrangement of these smaller classes, including luncheon table arrangements, shadow boxes, and arrangements of mixed flowers with Dahlias predominating. Is this being done in the East.

Would appreciate very much if you would write me your opinion as to whether there is a change in sentiment generally in favor of the smaller types. I would like to publish part of your letter in our magazine, *Wisconsin Horticulture*, which is the official organ of the Dahlia Society of Wisconsin. I am sending you a copy of the magazine under separate cover.

Answer by C. Louis Alling.

No, most decidedly there is no dwindling interest in the larger type of Dahlias. The Dahlias at our New York Show were much larger and finer than ever in spite of the fact that in general it has been rather of a poor growing season. There is, however, an advancing interest in the smaller types of Dahlias. This may be attributed to the good work of the many ladies' garden clubs which have done much to encourage the use of the smaller types for artistic decorations and after all it must be admitted that a bunch of 9 or 10 inch Dahlias could hardly be arranged in an artistic manner in the center of a formal dinner table.

We should most certainly advocate the addition of some classes of the smaller types in your schedule, and we believe you will find much interest in them, particularly among the ladies. Neither do we believe you will find there will be any less interest in the larger types. It is simply due to the fact that people are realizing the many uses to which the Dahlia may be put.

• • •

When is a Seedling Not a Seedling

Question by A. A. Bauer, Richmond, Virginia.

Would appreciate your deciding three questions that arose during our recent wonderful show.

First—A Dahlia was exhibited by an eastern grower as a seedling. It develops that this Dahlia was introduced by a California grower and sent to an eastern grower to be exhibited in the east. It was shown in Baltimore this year and also in New York as a seedling winning sweepstakes prize in New York and definitely named. One of our members bought a root of it in New York for \$15.00. It was awarded first prize in the seed-

ling class "over three years old" in the Virginia Dahlia Society's show, and also sold at our show, which was held after the New York show.

It just happened that there was a tie for sweepstakes prize and one of the two exhibitors who were tied claims that her seedling which won second prize in the same class should of had first prize, inasmuch as the awarded first prize seedling should have been disqualified, her contention being that having been sold and named at the New York show it had become commercialized and had therefore automatically left the seedling class.

There was no protest made to the protest committee, so your ruling would not be a reversal of the judges decisions, your ruling being desired to make plain to our membership "when a seedling ceases to be a seedling."

Question No. 2. What and when is a peony Dahlia? When a Dahlia sold and catalogued as a decorative or informal decorative as the case may be, resembles turns to or appears to turn into a peony, may it be entered as a peony Dahlia, the exhibitor knowing that it was not listed or catalogued as a peony Dahlia.

In this case, this entry was the only one in its class, and was awarded first prize, although the judges recognized it and stated it was not known to the trade or sold by the growers as a peony Dahlia.

Your ruling will assist our membership in determining whether a decorative Dahlia, at a certain period of its existence, may be entered as a peony Dahlia.

Question No. 3. A member of the Virginia Dahlia Society planted some Dahlia seed and obtained a worth while seedling, which another member purchased the same season. The owner has never offered it for sale, sold or exchanged it for other tubers but has exhibited it for several years as a seedling, this year entering it in class of "Seedlings over three years old."

Question. Was it correctly entered and may it be exhibited as a seedling as long as it is not offered for sale or exchange?

Also, please define the exact status of a seedling and also when it ceases to be a seedling?

Answer by Warren W. Maytrott.

So often the question has arisen as to when a seedling ceases to be a seedling, and also the question, what is a disseminated as against an undisseminated variety, that these two questions have created real controversies in many societies, and I am glad to try to clear up these two questions.

If we would only read our dictionaries a lot of these problems could be solved more quickly, but unfortunately, societies are just like individuals, and allow themselves to get into habits of using certain terms which are entirely misnomers.

A Dahlia seedling is a seedling for only one year of its life, and that is the first year of its growth. The next cycle of growth is by root division or plant propagation, and from then on it becomes a Dahlia plant or variety, and strictly speaking is no longer a seedling. Our Dahlia show schedules, even that of the National Society, have been lax as regards the term seedling. Usually there is a section devoted to seedlings, and in most cases the term has been applied generally to all undisseminated varieties. This is true from one end of the country to the other, and perhaps the American Dahlia Society should lead in giving its former seedling classes a new heading such as "Undisseminated Dahlias." In the thoroughbred horse world, where accuracy is insisted upon, a colt is a yearling, a two year old, a three year old and so on.



An example of artistic arrangement of small garden flowers, including dahlias. This won a first prize at last New York show for Madison, N. J. Garden Club. Arranged by Mrs. Wm. A. Sterrett. Cut is through courtesy of Arts and Decorations and Miss Gay Young.

And now as for "disseminated" and "undisseminated," there should be no confusion whatever between these two terms, any more than there should be between "yes" and "no," for they are directly opposite. As applied in the Dahlia world, and rightly so, I think a Dahlia becomes disseminated when one root or plant is delivered for a cash consideration. From that minute it is disseminated, or introduced, or getting closer to the dictionary term, dispersed. Dahlias sent to trial grounds or given for trial, are not disseminated so long as the roots are the property or under the control of the originator. Nor is a Dahlia disseminated when a cash order for future delivery is taken, for instance at the Atlantic City show in September, 1932, for spring delivery in 1933. That means that the Dahlia may be shown again in later shows during the same season, let us say New York, San Francisco or Chicago, as an undisseminated Dahlia.

Along the same lines, a variety that is undisseminated should never be shown by any exhibitor except the originator, unless that exhibitor has the permission of the originator. There is a question of ethics here, as to whether the award should go to the exhibitor or the originator. Personally, I think it should go to the originator, in order to give full credit where due.

Invite your customers and friends to join the A. D. S. Dues \$2.00. Includes the improved BULLETIN.

Question by Edward E. Taft, North Grafton, Mass.

Received your letter explaining the late issue of the A. D. S. BULLETIN and also the BULLETIN. It was great. Would you answer a question for me in the Forum?

What is meant by undisseminated or disseminated seedlings?

This is only my second season in Dahlia growing and I have lots to learn. These terms have puzzled me and the dictionary does not seem to put enough light on the subject.

Above question is answered at left in Mr. Maytrott's answer to Mr. Bauer.

Seattle Society Elects Officers

At the regular meeting December 1st, new members were elected to nearly every office. Mr. W. L. Richardson, 1430 11th Avenue West, was elected to the office of president. Arthur Davies, 3708 Burke Avenue, vice-president. J. E. Hulin, 5964 24th Avenue S. W., was elected secretary. Mr. Richard Jones takes the office of treasurer. The board of Directors consists of eight very capable members. The entire staff are very enthusiastic Dahlia growers and the coming season promises some good advances for the society and the Dahlia. Any communications should be addressed to the secretary, J. E. Hulin, 5964 24th Avenue S. W., Seattle, Washington.

Dahlia Forum—Continued

College Professor Becomes Dahlia Fan

By D. H. TROWBRIDGE

*Professor of Analytical Chemistry, Lewis Institute,
Chicago*

I was reading an article in the London Journal yesterday, and it was so interesting to me that I thought that other members of the A. D. S. would like to read it.

My interest in Dahlias is increasing, but I must say that my golf game as a result is not improving. I am not interested in Dahlias from a commercial standpoint, only as a hobby, and I am going to get a lot of pleasures out of it even if it does spoil the golf game. One of my students thought he would help the hobby along by printing some letter heads for me.

Less than two years ago when I decided to try raising some Dahlias I drove about a hundred miles to consult a man that was raising a large number of Dahlias. His advice to me was to buy my roots of him, and then read all the books and literature on Dahlias, and then do just opposite what you are told to do, and you will make a success. This kind of advice was not very encouraging, nor was the quality of his roots any better than his advice.

An experienced gardener came out with a statement that asters could not be raised twice in the same place, and that Dahlias could not be grown successfully in an area of about $1\frac{1}{2}$ miles square in which my home was situated. I knew his statement regarding asters was wrong so I thought his statement regarding Dahlias was also wrong, so that is how I got started with this wonderful flower.

I note your statement in the Forum regarding the use of peat moss. In raising asters I limed rather heavily in early spring to kill cut worms, so I figured that the acidity from the peat moss would not be too great. I expect to do a lot of experimenting along this line. However, I did find that the peat moss increased the action of wire worms. I am going after this little pest.

I will close by saying that I have been able to get a number of other people interested in the growing of Dahlias in this locality, and no doubt I will take advantage of your kind offer to answer any questions that I may ask.

• • •

The interesting article on colors in the Dahlia, for which we are indebted to Professor Trowbridge follows:

From an editorial in The Journal of the Society of Chemical Industry, printed in London, October 28, 1932, Volume 51, number 44, page 887.

Color in Dahlias

How late the leaves are remaining green this year; October is half spent, yet our week-end wanderings have disclosed but few of the sere and yellow leaf, yellow rendered visible by the disappearance of the twin greens of chlorophyll, now being picked to pieces in the laboratories at Harvard. Those shrubs which make a habit of preening themselves in the brightest of autumn shades for the edification of the expert gardener—no scientific explanation of the significance of this change has so far been discovered—are however already making a wondrous display. A group of specimens from the Cotswolds at Vincent Square last week contained enough beauty of colour to incite every impressionable organic chemist to drop all other research until he had solved

the problems of their constitution and formation. But it is of Dahlias we would write, which have perhaps flowered this year as never before, and are displayed so bounteously for us Londoners in the parks. It was Francis Bacon who wrote "A garden is the greatest refreshment to the spirit of man," and perhaps at this time of the year we cling to the dying embers of our floral fire with almost as much zest as we welcome the Spring. The Dahlia was introduced to Europe in 1789—should it not be spoken with a broad "a" in deference to Herr Dahl? Its subsequent rapid variation under cultivation has delighted the horticulturist and has probably been without parallel: during the last decade it has been really taken in hand as a decorative garden plant and has ousted all else from the autumn display. Seen on the show bench the colours grow more and more brilliant and varied, though we view with alarm the increasing predominance of magenta, or aniline as we have overhead it called—aniline pronounced with a condemnatory drawl. The flower colour in the Dahlia is the expression of two series of soluble pigments, namely flavones, which form the ivory and yellow ground colours on which the anthocyanins are superposed; of these there are pale and deep varieties. There are thus to hand four pigments in varying proportions and intensity with which to ring the colour changes. Pale anthocyanin on ivory flavone gives a magnesia-coloured petal; on the yellow flavone the result is apricot. The combination of deep anthocyanin and ivory gives purple, and with the yellow flavone a vivid scarlet is produced. Go to a large bed of Dahlias and puzzle out their make-up for yourself, with or without your test tubes. It is more fascinating than a crossword puzzle: indeed at some future date we foresee the chemical make-up of a Dahlia will be set as a practical examination question for an honours degree in plant chemistry. The anthocyanin pigments are no longer mysteries to us since Robinson capped Willstätter's efforts to explain and to synthesize them. They are composed of two rings of six carbon atoms fused together by means of a three-carbon unit and are derived possibly from two-and-a-half units of glucose. Dotted round the rings in strategic positions are hydroxyl groups which influence the nuance of the colour play, whilst to crown all, perhaps to ensure that quality of sweetness and beauty which flowers pervade, perchance one or maybe two molecules of a sugar are tacked on to the large molecule, but at different places. The different types of anthocyanin are few, but as usual nature provides countless ways of ringing the changes so as to make our gardens ablaze with countless different hues. For the future perhaps there dawns the possibility of a synthetic garden, in which "So bright would glow the colourings that folk would stop to see." Meantime the horticulturist is so adept with his Dahlias that he produces new colour varieties even faster than Robinson can synthesize them. How beautiful are the Dahlias, how much they tell to the chemist who can understand their story! As Francis Bacon once put it: "Man grows by taking nature into himself."

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Can Every Member Do a Little Bit More?

By CHARLES G. REED

I suppose that I was only one of the hundreds of other members of the A. D. S. who were so well pleased with the last issue of our BULLETIN, and great credit is due to our secretary, C. Louis Alling, and BULLETIN editor, Lynn B. Dudley, for the time and effort they put into giving us the kind of BULLETIN we have hoped for. I

wonder if our members ever stop to think of how little our officers receive in compensation for their untiring work for the welfare of our members. The treasurer, Mrs. Mabel Rathgeber, and our secretary are the only paid officials in our society, and no one is paid a regular salary. If our funds are low their income becomes less and yet they give you and me their best both in the lean years as well as in years of plenty. If it were your privilege to attend even one meeting of the Executive Board and there are many each year, you would see about just the same group of growers spending hours solving our problems, and many come from long distances and each one pays his own expenses and it costs money to travel. Why do they do all this? Nothing else but their love for the Dahlia and a duty to fill their office faithfully so that you and I will receive the results of their efforts. What can you and I do to help carry the burden? I think that we could at least try and build up our membership. We all cannot be officers but we can help in some other way and to me there is only one way each member can do something, *get a new member*. If we all do this I am sure that we will not only be doing something for our society, but we will be doing a real favor for that new member. If we expect the best from our officials, they too expect the members to show their loyalty to their society. We all enjoy growing the

Dahlia as a business or hobby and many long hours have we spent to accomplish some achievement in the Dahlia game but I think that we have given little thought to our society. We take it for granted that it will run along as usual, the BULLETIN will arrive on time, the bills will all be paid, the annual show will be held, the Trial Garden will be in operation, so why should we worry? Now, this lack of interest is not done intentionally as the Dahlia growers as a whole are real fine men and women, but I think we have given little thought to this matter. Many have no doubt thought that there was little they could do, but there is much that we can do no matter where we live, as the world is full of Dahlia growers and thousands know little or nothing about the American Dahlia Society. Now, it is up to you as a member to get in touch with the growers around your home town, tell them about your society and the BULLETIN which keeps us all posted on the up-to-the-minute news in the Dahlia world. How would we know about the new varieties, the winners of certificates at our Trial Garden, reports of the show rooms all over the country, and the new addition, the Dahlia Forum and Exchange, answering all kind of questions that the Dahlia growers are interested in, if it was not for our fine BULLETINS which are issued quarterly? Our society means much to us and why should it not be equally interesting to

Shadows Reflect Unmoved the Lingering Beauty of the Dahlia

These are two exhibits which won prizes at New York Show in Amateur Class. The first is Bagdad, I. D., exhibited by Mrs. W. P. Neal of Flushing, N. Y. The one at the right is Farncot, I. C., shown by Stanley D. Pierson of Pleasantville, N. Y. Cut by courtesy of Arts and Decoration Magazine and Miss Gay Young.



DAHLIA SEED for 1933

Proof of the quality in these letters:

"Florida, December 6, 1932.

"Mr. George L. Stillman,

"Dear Sir:

"I am enclosing you \$1.00 for Dahlia seeds mainly because the seeds I have received from you have always been better than I have gotten elsewhere. . . ."

"Nova Scotia, November 13, 1932.

"Mr. George L. Stillman,

"Just a few lines to tell you of the success I have had with your Dahlia seed the last two summers.

"In 1931 I purchased from you a package of Decorative Dahlia seed at \$2.50 and raised from them 125 plants, a large number of the individual plants being well worth the price of the whole lot.

"In 1932 I again purchased a package of your Dahlia seed, this time Cactus Mixed, at \$2.50 (plus exchange \$3.00). The package contained 225 seeds and I raised 217 plants from them, quite a record, I think. And while we had a very backward season in this part of the country this year, most of them bloomed this summer and a few gave me eight inch flowers. The mass of bloom in my Dahlia patch was at its height when cut down by the first frost on October 16th.

"I felt that you would be interested in my success with your seeds and to know that they were admired by a large number of people.

"When your new catalogue is ready please send me one. . . ."

All my seeds are carefully selected, hand cleaned and hand sorted

SEED

From the 1933 new shape SINGLE Dahlias, all kinds mixed together, \$1.00 per pkg. (100 seeds).

From the 1932 new SINGLE Dahlias, all kinds mixed together, 75 cents per pkg. (100 seeds).

From the LITTLE DARLING MINIATURES, all kinds mixed together, 50 cents per pkg. (100 seeds).

From the POMPONS, all kinds mixed together, \$1.00 per pkg. (100 seeds).

From the ORCHID FLOWERING Dahlias, all kinds mixed together, \$1.00 per pkg. (100 seeds); 50 cents per pkg. (50 seeds).

SPECIAL OFFER: 4 packages (1 each of any of the above varieties) to one address, \$3.00.

BULBS

SINGLE Dahlias: the new shape Singles for 1933 are the finest Singles in cultivation.

Over 100 kinds to select from. Bulbs \$1.00 each: 6 for \$5.00, alike or assorted.

SINGLE Dahlias: the new Singles of 1932: Bulbs 75 cents each: 6 for \$3.50, alike or assorted.

LITTLE DARLING MINIATURES: the latest in Miniatures. They are the dainty beauties of the garden. Bulbs, labeled, 75 cents each: 6 for \$3.00. Mixed, not labeled, 50 cents each: 5 for \$2.00.

POMPONS: from 25 cents to 75 cents each.

ORCHID FLOWERING Dahlias: a new class of foreign origin. Bulbs 50 cents each.

Write for my 1933 catalogue for description of Dahlias, Glads, Sweet Corn, Vegetable seed, Hardy Flowering plants and Strawberry plants.

George L. Stillman, Dahlia Specialist

BOX DB 33, WESTERLY, RHODE ISLAND

Dahlia Forum—Continued

those outside our ranks? I believe it is our duty to make it our business to interest these growers who perhaps know little or nothing about our society or BULLETIN. I know our secretary will be only too willing to supply sample copies of the BULLETIN and membership application blanks for our use, but we must get to work and do our bit for our society. No business can run alone, it must have leadership and in these trying times everyone is getting behind the right kind of leaders, they need assistance. Our society is very fortunate in having the best of leadership in our president, Warren W. Maytrott, and his assistants, but they too need our assistance as never before. It is big business to run a large society like the American Dahlia Society and it is the duty of each one of us to get behind the present drive for new members. New members are needed to replenish our treasury. We were unfortunate in having \$1,000 tied up in a closed bank but this difficulty may be overcome if this drive is successful. We are not begging, we are offering no bargains, we are simply going out and tell our story to those who are interested in the Dahlia. If they are interested in the Dahlia they would be more than interested in what they receive in our BULLETINS. There is no better time to solicit new prospects than at this time. Our gardens are asleep so we are a bit more interested in reading about our pets, the Dahlias. I feel sure if I could place a BULLETIN into the hands of a Dahlia grower it would not be very difficult to secure that person's membership. The past week I have had through the mail three requests for information how the writer could join the A. D. S. I wonder how many more of your and my friends are seeking the same information? In closing, I trust this message may be the means of stirring up within each one of us a desire of doing something, not only for our society but for the other fellow who may be waiting for an invitation to join such a live association as the American Dahlia Society. The invitation costs you nothing but it means much for our future success. Try and get a new member NOW.

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Good Seedlings a Matter of Good Seed

BY ALBERT PARRELLA, BRONX, N. Y.

The best seed is not any too good but one good seed is better than one thousand inferior seeds. An inferior seed will never give you a good seedling while there is a possibility of getting one from a good seed. Good seed is much more expensive than inferior seed because you can easily get from 50 to 100 seed from a single seed pod of a Single, Collarette, Peony, or Ball Dahlia, while you are fortunate to get from one to ten seeds, from the seed pod, of a formal decorative, informal decorative or semi-cactus variety. And many of these will give you no seed at all.

There are more thrills in growing 25 plants from good seed, than 100 of the finest named Dahlia known, because from the seedlings the thrills start when the plants begin to bud, and you see the bud getting larger and larger daily, and then begin to open, showing you its color. From then on every few hours you will be running out into the garden to take another look at it, and wonder what it will be like, and imagine the thrill of thrills if it turns out to be an outstanding Dahlia. One better than any of the others you have in your garden, or have ever seen, and that you are free to name it after yourself, or some beloved friend. Just imagine such thrills from about the latter part of July until frost comes.

You can raise your own seed, and good seed at that, if you have a long growing season, and frost does not strike your gardens until about October 15th. Let the large blooms of your best varieties go to seed, and as the rear petals dry up, cut them off close to the pod, with a good sharp scissors and after the Dahlia has bloomed out, and shows its center of pistels, squeeze but do not break the stem, where it is soft enough to bend, and bend it so that the pod will face downward. The reason for this is so that the rain will not go into the pod and rot it. As soon as it is closed and dried up to a cone shape, cut it off and place it on the mantel-piece or some other place where it can thoroughly dry and when dried open it and get the seed from it. Save it until the first or second week in April, plant it as per directions above, and you will be repaid many, many times for your troubles. Then you will get the real thrill of growing Dahlias.

Where the climate is colder you can start the seed in a cold frame. Personally I prefer starting them out in the open, as that gives the plants or makes them hardier, and get best results this way. That is why I recommend growing seed this way.

• • •

How Can I Get More Double Seedlings?

Question by Arthur R. O. Redgrave.

Here's one for the Forum. Tell us how to grow seed on double Dahlias. I can get plenty on singles but find only an occasional one on the good varieties. I get no kick in growing and raising seeds from other growers. If there is some trick in cutting off petals or pulling them off let us know about it. Also when do flowers

Cottam's Dahlias

Grown on high land through a long season hence perfectly cured. Need no acclimating.

Healthy tubers

Guaranteed true to name

Send for 1933 Catalogue

N. Harold Cottam & Son

Wappingers Falls, N. Y.

DAHLIA SEED

Well folks, we have our hat in the ring at last. We think we have earned the privilege of offering our seed for sale, as the sign in the accompanying photograph will bear witness. It is made entirely of ribbons, 117 in all, won by us in our local shows in the past six years. Nearly all of these were won with our own originations, competing with the best growers in Southern California.

At the twelfth annual show of the Dahlia Society of Southern California, we won the following firsts with our own originations. Best collection decorative, 9 varieties. Best collection ball type, 6 varieties. Best collection California originations, 12 varieties. Best 50 blooms. Best vase variegated. Best basket lavender. Best basket miniature. Best basket pompons. Best ball type seedling. We won 12 firsts at the Long Beach show with heavy competition. We are releasing some of these varieties this year.

We have originated an entirely new type of Dahlia, a perfect ball of the decorative type. The petals are slightly recurved, touching in the back and the center is high, on a line with the outer curve. They are not large, six and seven inches in diameter, but are exceptionally good keepers. We have had some of them keep eight days after cutting. We are offering seed of this type this year.

We have averaged seven per cent outstanding Dahlias per 100 seedlings the past few years and we think you can do the same with our seed, as we sell the same grade of seed that we plant ourselves.

We sell our seed by the packet, each one containing 100 seed or more. The price is low, in conformity with the trend of prices, but quality remains the same. A trial will convince. Our catalog is just off the press and will be mailed on request.

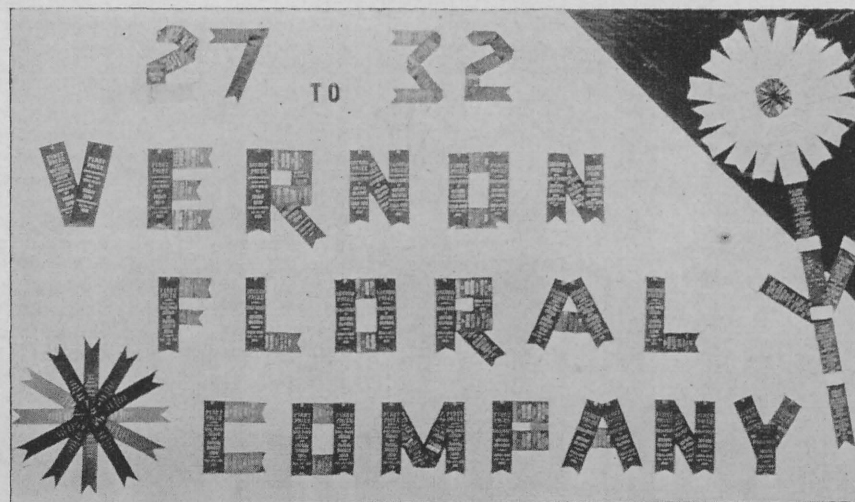
Per pkt.

Large named	\$2.00
Large mixed	1.00
Ball mixed	1.00
Ball (new dec. type)	2.00
Miniature named or mixed ..	1.00
Pompon named or mixed ...	1.00
General mixture, some of each	1.00
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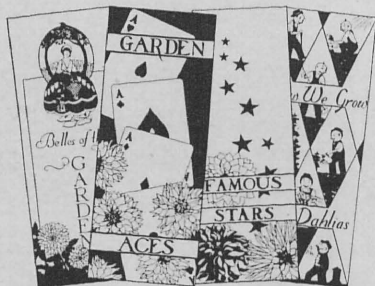


dahlias

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Belles of the Garden—35 standard fifty cent varieties featuring special offers of unusual saving.

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Our limited special including Satan, Kaweah, American Legion, Murphy's Masterpiece, E. R. Fantasy, The Commodore, Aiko and Jean Keefer will interest you.

Any one or all four free on request

Folder, "How We Grow Big Dahlias," sent with each order

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Dahlia Forum—Continued

produce the seed, in August or September? How long do they take to mature?

Answer by ye Conductor: This is a big subject. I would recommend that you read the chapter: "Propagation by seed and the raising of new varieties" by Wm. H. Waite, page 47 to 58. This covers the problem better than I could in a long treatise—if ever. This book can be obtained from through the secretary at a nominal rate. But briefly, it is best to watch for blooms of the better varieties, which when left on bush till they are fully mature and when those blooms show an open center mark them with a label—and leave them on bush till they dry—if they form a big pod which dries to a firm blunt point, you can almost always be certain they contain some seed. The reason for choosing the blooms which show open centers is because the bees can pollenize these blooms and take their pollen to other similarly open center blooms. A very successful grower friend of mine uses these open center closed center varieties for the male pollen and brushes it on to peony types which always have open centers. He does this because the peony types are usually excellent female seed parents.

But this is a genetics problem and an entirely different story. My suggestion to you is to let the bees do the pollen crossing until you can carefully study the hand hybridizing problem. Let the chosen blooms have a chance to get natural bee pollinization by giving them a long period of natural development. Let them dry on bush. Bend them down so that rain will not rot them, if there is a prolonged wet spell just as they start to dry. If the growing season is short, you'll have the best success with the early blooms. Some Dahlias make seed made readily than others. You'll best discover these for yourselves. See Forum, page 16 in April, 1932, issue.

How I Use Mother Roots

By W. W. WILMORE, DENVER, COLORADO

The "Chair" remarks that he was terribly tired out at the 1893 World's Fair in Chicago, and expressed a doubt if any Dahlias were on exhibition there. This writer had a full grown exhibit on the wooded island at this Fair, but is honest enough to admit that a similar exhibit of varieties today would not create a very great enthusiasm. Yet they were good for their day and carried off first prize.

The other item I wished to mention. I would say to Mr. Batto that the question of mother tubers is not quite so bad as he puts it. Very old tubers which pass the second or third year and also those of immense size are probably better discarded and then there are some varieties that have a habit of simply enlarging the one tuber year by year and making few if any new roots should also be discarded as they produce plants that often fall over or blow over not having side roots to hold them erect. But of the average mother root, if it be shortened back one-third or even one-half Mr. Batto will find it quite serviceable both as to flowers and new roots. Often when a worth while variety has a thick bulky neck that will permit, the root may be split from end to end dividing so each division has an eye and planted at once they will meet all requirements for another year's service.

As a matter of fact a new shoot only uses the tuber planted until its own new roots begins to function. These are usually in action when the plant reaches a foot in height.

Elsewhere in this issue we are showing a color reproduction of the new variety "James Kirby." This is a most fitting tribute to a real pioneer Dahlia grower, and one of those who took a most active part in the organization of our Society in 1915. Mr. Kirby was a member of our executive board for many years and was a faithful attendant at all our meetings as long as his health permitted. He was an ardent lover of Dahlias and had several fine creations of his own to his credit. "Sagamore" perhaps being the best known. It is a source of much satisfaction to us to be able to print this color reproduction of this fine Dahlia, which we believe will be a living monument to our dear departed friend.

Ralph C. Swartz, secretary of the Indiana Dahlia Society disclaims authorship of the fine report of the show for that society. It was furnished by Mrs. Clarence Hugel, Director of Publicity. Sorry.

Correction in description of registration of Fort Nelson, by originator of it, C. H. Durnil, Louisville, Kentucky, October BULLETIN. Fort Nelson, formal, decorative. Exhibition size. Light orange yellow. Reverse Jasper pink tinted lavender. Height, five feet. Sorry, Mr. Durnil, we printed just as we found it in Mr. Rathgeber's papers.

Please, if it is not too late, insert an invitation in your catalogue, if you issue one, to all recipients to join the American Dahlia Society. If you care to, mention the improved BULLETIN.

A twenty-page edition of this interesting publication has just reached us. It is published, so the editor said, for the convenience and interest of the Dahlia fans and societies of the middle west. There is much in it of genuine interest to all Dahlia fans.

The address of this publication is Madison, Wisconsin, D. O. Eldredge, publisher. Subscription rates, \$1.00 per year.

This is just a courtesy notice—not an advertisement.

Most advertising copy is too long. We are having no little trouble these days in setting much of the copy for the advertising in the BULLETIN in small enough type to get it into the space ordered. The size of your advertisement will not be increased without instructions.

What About Double Collarettes?

By FRANK M. BUKEY, COLUMBUS, OHIO

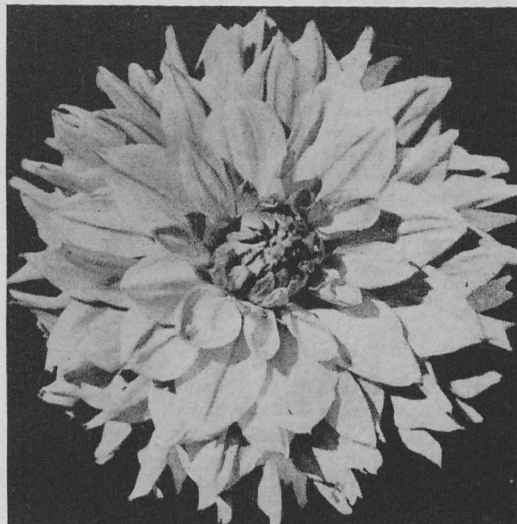
I am still watching and waiting for the improvement of the Dahlia. I hope to have a new collarette started again soon. It is a fine double form and very good. It is after the form of "Olentangy" but larger. I would like to see forms of the double collarette at the World's Fair at Chicago. I would like to know what other members of the A. D. S. think about this form. I don't agree with all the rules and regulations of the new classifications of the Dahlia. There should be a class where all peculiar or novelty Dahlias can be grouped. Those I mean, of unclassified types, as they have been classed before.

(Continued on page 32)

OUR PRICE LIST IS FREE

THREE NEW 1933 Honor Roll DAHLIAS

We recommend for your trial these three
new HONOR ROLL Dahlias



THE SUN

The New Yellow named after the New York Sun by its originator, Lynn B. Dudley. Many people have asked to see it. It is a bright glowing sunlight yellow, which, when ripe is of true sunburst form. Changes from informal decorative to semi-cactus as it ripens. Thrifty.

Plants only, \$5.00

JANE DEW

A magnificent and eye-attracting flower on the order of Kathleen Norris. Fine clear, true pink. It will rank with the best of exhibition blooms. Thrifty. An informal decorative. Originated by Clarence Dew in Ohio.

Roots, \$10.00

Plants, \$5.00

PASTEL GLOW

The transparent Dahlia. Color, white with mallow purple reverse which shows through, giving a glow of orchid-violet iridescence. Very large flat, pointed petals. Thrifty. Originated by Mrs. Clara Arland in Tennessee.

Roots, \$10.00

Plants, \$5.00

SEND FOR OUR FREE CATALOG

Gladly sent on request

RUSCHMOHR DAHLIA GARDENS

52 So. Kensington Avenue

Rockville Center, L. I., N. Y.

The American DAHLIA SOCIETY, Inc.

ORGANIZED MAY 10, 1915



"The Society is formed for the purpose of stimulating interest in and promoting the culture and development of the Dahlia; to establish a standard nomenclature; to test out new varieties and to give them such recognition as they deserve; to study the diseases of the Dahlia and find remedies for same, and to disseminate information relating to this flower; to secure uniformity in awarding prizes at flower shows, and to give exhibitions when deemed advisable."

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Editorial

Have you sent in your dues to the A. D. S. for 1933? They are now due and the society would appreciate very much if you could pay up any arrears and add two dollars (\$2.00) for dues for the ensuing year. The new BULLETIN has awakened considerable interest among our membership but these improvements in paper and printing in half tones cost more than the other kind of a BULLETIN. You will be putting your stamp of approval

on a better publication and an awakened interest in Dahlia culture and the work of the society in general, if you will pay your dues promptly. No member will be kept on the Dahlia list indefinitely and if you do not send in your dues within a certain period after they have expired, then your name is reluctantly taken off the books. Send money order, check or currency to the treasurer, Mrs. Mabel Rathgeber, 196 Norton Street, New Haven, Connecticut.

* * * *

Our by-laws provide for life membership on the payments of \$20.00. We have a large number of the friends of the A. D. S. on this Honor Roll. Why not add your name to the list?

* * * *

Already the Every-Member-Get-A-Member Club in the A. D. S. is taking hold. Many members are sending in dues for their neighbors and friends. Show your friends this issue of the BULLETIN. Tell them you would like to have them join and receive four issues a year just like this BULLETIN. Use the subscription blank found in the back of this issue.

* * * *

The editors of the BULLETIN would be pleased to receive suggestions as to the type of articles or the subject of treatises on Dahlia culture which readers would like to read in the BULLETIN. This publication is edited solely for the interests of Dahlia members and future issues are planned with the idea of helping you to grow better Dahlias and secure more enjoyment from your garden. Please tell us what you want to read.

* * * *

This issue contains the announcements of many growers with description of the best scoring prize winners during the shows of last year. New novelties of wide range of type, color and price, are herein offered by them for your selection. Add some new varieties to your collection and see how quickly the interest in Dahlias and your garden can be awakened. Many of the new Dahlias are being offered at prices which are in tune with the times and much lower than they have been in former years. Order some of them today.

* * * *

The next issue of the BULLETIN will contain some very interesting information on "Dahlias In The Garden," written by Charles H. Connors, ornamental horticulturist of the New Jersey Agricultural Experiment Station, our good friend and member of the A. D. S. This will be an excerpt from Circular 258 issued last year by the Experiment Station and will contain a great deal of interesting information and suggestions and will be accompanied by illustrations used in the booklet and loaned to us by Dr. Connors. There will be many other interesting and worthwhile articles.

* * * *

Put March 21st down on your calendar now. This is the date of the semi-annual meeting of the American Dahlia Society. It will be held at the Commodore Hotel from 4:00 to 6:00 p. m. The location of the meeting will be in the usual place in one of the parlors off the mezzanine. Look at the BULLETIN board in the lobby and you can easily locate it. This is held during the spring flower show, planned at the time, so that you can attend this big exhibition at Grand Central Palace on Tuesday, the 15th, and then sit down and rest and enjoy the meeting from 4:00 to 6:00. Come and bring your friends.

A. D. S. Show Dates—Sept. 21 and 22, 1933
 Hotel Pennsylvania, N. Y. Will other Societies please
 forward their dates for publication.

New Registrations, Jan., 1933

The following names have been proposed for registration. If no objection is made within a reasonable time they will be considered as registered.

To register a name, simply send name proposed with fee of \$1.00 for each variety, type, and predominating color. We will advise you whether name is in use. Fee will be returned if name is not eligible for registration, or will apply on selection of a new name.

World's Fair, informal decorative. Orchid pink, shading to pink on outer edge of petals and overcast with a silvery sheen. By Haddondale Dahlia Gardens, Haddondale, New Jersey.

James Kirby, large informal decorative. Crimson shading to ruby. By Badetty Brothers, Huntington, L. I., N. Y.

Golden Eclipse, large formal decorative. Golden yellow. By Badetty Bros., Huntington, L. I., N. Y.

The April issue will appear early. This is to allow time for selections of new varieties from BULLETIN advertisements before planting time. Will advertisers please co-operate by forwarding their copy early. The closing date is March 1st.

Obituary

We but recently learned of the death of Mr. H. L. Goubelman of Central Park, L. I., N. Y. Mr. Goubelman was an enthusiastic amateur gardener and a former principal of the Central Park schools. We extend our sympathy to his family.

Fraser's Tested Dahlias



for
1933

RUBY TAIT

It is a pleasure to present this beautiful Informal Decorative Dahlia. The artistic formation and wonderful color give a most charming effect to the flower. The color is Citron Yellow with pencilings of pink and lavender; flowers are large and are carried on top of stiff stems; clean healthy grower.

Roots \$10.00 Plants \$5.00

FAIR HARBOR

This magnificent Informal Decorative proved its worth last season. Immense flowers of a beautiful Liseran purple (Lavender pink) carried on good stems; free flowering. A beauty

Roots \$7.50 Plants \$3.75

Fraser's Dahlia Gardens

GEORGE W. FRASER

WILLIMANTIC

CONNECTICUT

HILLSIDE DAHLIA GARDENS

P. W. and S. L. Merchant

35 EAST MAIN STREET

GLOUCESTER, MASS.

If you have not as yet received our 1933 catalogue, your copy awaits you. Your request on postal, or letter mailed today, will assure receiving it promptly.

You will find many late introductions listed, including Roll of Honor Dahlias:

Andreas Ericson
 Achievement
 Eagle Rock Fantasy
 Eagle Rock Wonder
 Champoeg
 Donna California
 Dorothy Stone
 Daylo

Dwight W. Morrow
 Jim Moore
 Jean Keefer
 Josephine G.
 Jean Trimbee
 Indiana Moon
 Kathleen Norris
 Lavina Broomall

Monmouth Champion
 Orinda
 Omar Khayyam
 Star of Bethlehem
 The Commodore
 Wandell Red Bird
 Willamette
 Watchung Wonder

You will find our prices moderate, within reach of all lovers and growers of fine Dahlias.

Our assurance to you is, that you must get 100% in results and satisfaction, or replacement will be made without quibble on our part, your word being all the proof required.

If you are a commercial grower, a liberal trade discount will be allowed. Enclose card or use letterhead.

TWENTY YEARS OF SUCCESSFUL GROWING OF BEST DAHLIAS

QUALITY AGAIN WINS

FOR THREE years in succession we have been awarded the SUPREME AWARD OF THE AMERICAN DAHLIA SOCIETY

For 1933, we offer—

CAMEO—(F. & M. No. 5). A decidedly new coloring. One of the most talked of Dahlias at all the Eastern shows. Awarded the silver medal of the Pennsylvania Horticultural Society and a special prize at that show for its size and beauty. Color, coral-rose.

JANE DIXON—F. D. Salmon-orange, large and beautiful.

ROBIN HOOD—L. D. Deep, rich Ox-blood red.

For fuller description of above and other new introductions write for our 1933 catalog, ready early in January.

FISHER & MASSON

(Box D)

Sanhican Gardens Trenton, New Jersey

TWO GREAT COLLECTIONS

For \$5.00 we will send you, postpaid, one root each of the following:

(Value \$9.50)

BAGDAD — OLIVE WRIGHT
MARYLAND'S GLORY — IVORY

For \$5.00 we will send you postpaid, one plant each of the following:

(Value \$12.25)

IVORY — FANNIE SANDT
JANET SOUTHWICK — OLIVE WRIGHT
THE COMMODORE and
PRINCE OF PERSIA

Our beautiful catalog is now ready. It contains many innovations, one of which is the listing of varieties that produced seed for us this past season.

A post card brings it to you free.

VEILE and MENDHAM

THE ULTIMATE IN DAHLIAS

BOX 185

EASTON

PENNSYLVANIA

Dahlia Forum—Continued

I think also that a lot of growers are far behind the types and classifications. Some of them do not really see a good point where it should be noticed. If a Dahlia is classed as a new type, they should find a new class for it. There will be new ones, even some freaks, that are really noteworthy from time to time, as they are originated.

If I am not mistaken, the double collarette came out in the Fall of 1923, in my seedling patch. My "Olen-tangy" was the first one, as far as I know, and it has never been classified since. Also it has never failed to come true to form. Would like to know if other growers agree with me on the above and also on the advisability of having an open class where we can put new types as they appear.

Conductor's Note—The nomenclature committee in setting up the fourteen classifications of the revised classes originally had one classification—number 14, which was intended to cover all novelties unclassified in the first 13. This was in list attached to report of committee in the January, 1930, BULLETIN. When next published in July, 1930, Class number 14 was omitted. We don't know if this was the intention of the committee or not. We believe, however, that their original report has never been officially changed, and if this be true, then an open classification does exist now to cover Mr. Bukey's complaint.

• • •

Welcome Stranger—A Friendly Suggestion

By C. H. STOECKEL, CLARK'S SUMMIT, PA.

I wonder what impressed visitors, other than officers and exhibitors, most when they entered the show at the Hotel Pennsylvania last September? For the past ten years or so I have been growing a few Dahlias, averaging about one hundred fifty hills. I do this as a hobby and get a big "Kick" out of it especially when I can send some real nice blooms to some sick friend or to a church or show.

In 1930 friend wife and myself journeyed to New York to see our first real Dahlia Show and this year I had to make the trip alone. Was I impressed! Well, to use the modern language I'll say I was and how. I left my home at 9:30 P. M. on September 22nd, traveled by bus until 6:00 A. M. the next morning, loafed around the "Big City" until the doors opened for my second big Dahlia Show. Upon entering I was greeted with a riot of beautiful colors. At first I did not know just where to start, everything seemed more like a dream than reality. Before I had time to decide on the course to take I found myself talking to a stranger, who later turned out to be a Dahlia fancier from Ohio. We chummed together for about two hours checking and double checking the marvels that we saw. Soon we were joined by another stranger from Connecticut. There we were all three strangers by name but the best of friends as far as Dahlias were concerned. We certainly had a glorious visit and after introducing ourselves we parted as new friends well met. Then wandering through the aisles alone as far as person was concerned, I made a complete study of the Dahlias that appealed to me most and in order not to offend any grower or exhibitor I will refrain from mentioning the names of any or all of the good things I saw. Time fairly flew and it was nearly four o'clock before I had even time to think of eating any lunch. Just as I was about to satisfy a

hungry stomach I became acquainted with Mr. F. S. Cackener, of Hudson Falls, N. Y., Mr. Frye, of Newark, New Jersey, and Mr. Michael Batto, of New York. These gentlemen certainly impressed me as regulars from the floor up, especially Mr. Batto. If I live another hundred years I will never forget this witty, congenial chap. I fully believe he could convert even an Orchid grower to a Dahlia fan if given just a few minutes time. It is men like Mr. Batto that are wonderful assets to the A. D. S. His pleasing personality and his friendly welcome just makes you want to stay at the show for days instead of a few hours. He is a reception committee of one unexcelled.

Possibly there is something in this little missive that may offer a suggestion that might prove beneficial in the future. Place yourself in my position. Just for the sake of Dahlias, ride a bus practically all night to see the best Dahlia show in the country, arrive at your destination tired and dirty, go to the show a total stranger, wander around alone, an amateur as far as Dahlias are concerned, then leave again at six p. m. for another nine or ten hour bus ride. Would you enjoy it? I did, but Mr. Batto made it possible and more enjoyable. Will I do it again? Well, the answer is yes with the hope of seeing some more wonderful Dahlias, Mr. Batto and some more men and women members of the A. D. S. of Mr. Batto's type. Let us all welcome the stranger, show him that he is welcome and make it so strong that he will feel as I do. I want to come back again and again and continue to grow the most wonderful flower that the Maker has given mere man, to grow—the Dahlia.

I certainly do hope that I haven't proved to be a bore with this my first attempt and surely do want to compliment you and your staff for the improvements made on the BULLETIN. If I can be of any help to you I am gladly at your service.

Closing out many new ones—Write

“THE SUN”

Bright, glowing, Sunlight Yellow Sunburst in form—Semi-Cactus in classification—after fully ripe. Before that, it's Informal. Thrifty, Resistant to Pests. On Honor Roll, 1932. A Beauty.

Plants only, \$5.00

Pastel Glow

The transparent Dahlia. White faced, broad petals, with mallow purple reverse, which shows through, giving glow of iridescence. High center, big, deep.

Roots \$10.00 Plants \$5.00

LYNN B. DUDLEY

580 No. Columbus Avenue
Mt. Vernon

Write for BARGAIN LIST out Feb. 15

WANTED!

A name for our new pink Dahlia Seedling described in this issue of the Bulletin. This seedling was on trial at Storrs this past season, scoring 80.

For the best name offered, name to be chosen by disinterested parties, we will give Ten Dollars (\$10.00) in Dahlia plants, late introductions from our 1933 list consisting of most of the new and beautiful creations.

This offer closes March 1st.

MAD RIVER GARDENS

P. O. Box No. 12

URBANA

OHIO

KAWEAH

World's Largest Perfect Dahlia

Roots \$15.00 Plants \$7.50 net



16-16½ in.

Grown to 16½ inches.

Roll of Honor Dahlia.

Winner of Gold Medal of Dahlia Society of California for Largest, Perfect Dahlia in Show in 1932.

First prize for Best Dahlia of California origin.

First prize in San Leandro Flower Festival for Largest Perfect Dahlia.

First prize for Best Dahlia in Show.

First prize for Best Basket of 12 Dahlias.

First prize in Dahlia Society of Southern California for Largest Perfect Dahlia in Show. Color, Fuchsia Rose, deep velvety cardinal toward center.

American Dahlia Society Gold Medal for Most Meritorious and Outstanding Display at Dahlia Society of California Show.

First prize for Best Display at California State Fair at Sacramento.

Originator

ALICE MEUSSDORFFER

487 Hanover St., San Francisco, California

Catalogue in January

ALLING'S

We are featuring for 1933

"SANKO"

An Informal Decorative of pearly white with a silvery pink overcast. You will want this dainty and beautiful variety in your garden. (On Honor Roll 1933.)

Roots \$5.00 Plants \$2.50

We are also introducing

"THE SENTINEL"

A compact free flowering brilliant red miniature. A companion variety to our Teddy Johnson.

Roots \$1.00 Plants 75 cents

Our 1933 catalogue will describe these as well as many other new ones and in addition, the other standard sorts at reasonable prices. May we send you a copy?

C. LOUIS ALLING

Dahlia Specialist

251 B. Court Street West, Haven, Conn.

DAHLIAS

"THE HOME OF THE DAHLIA FOR OVER 40 YEARS"

MANNETTO HILL NURSERIES

Where Dahlia fans have received a square deal for more than a quarter of a century.

We carry all the standard cutting varieties, at attractive prices.

We have many of the new ones which will please your eye and purse.

Bargain Collections a Specialty

Write for our list for 1933. Trade list sent only to commercial dealers.

RETAIL AND WHOLESALE

WM. C. NOONAN, Proprietor

HICKSVILLE LONG ISLAND, N. Y.

Correcting Constituents of Soils

BY FREDERICK E. DIXON

We made the mistake sometime ago of airing some of our experience and result finding over a long period of years on soils and fertilization with editor Dudley and, as a result, he asked me to prepare a treatise on soil and soil diseases.

Elsewhere in this issue, at his request, I have answered a question by B. H. Pelzer who wrote to inquire if his soil was infected to a point where Dahlias would no longer grow therein. The writer of that request asked that we determine, if possible, from his description of the way Dahlias did not grow for him whether or not his soil was diseased. He stated that there were places in his garden where the growth of the plants was extremely bad, where stunt seemed to be the rule rather than the exception. He described the plants as having thin leaves which withered and dried on the stem, leaving bare stalks. He also stated that the roots of his plants had been carefully dusted with sulphur after dividing from the clumps and that they had been stored in peat moss. He described that this latter method of storing often resulted in stem rot.

It is true that most of us at sometime or another have had similar experiences at least with one or more of the above conditions, yet somehow we have carried on, gradually overcoming one after the other of these troubles. There is no question but that this member has brought up topics of such importance that it needs no imagination to figure that there must be others in the society who would like to know the correct answers to these same problems. If the Dahlia Forum in this splendid BULLETIN is to be constructive, utmost care must be taken at such queries as are made be answered by recognized authorities. The board of reference assisting Mr. Dudley in this department, constitutes the authority which can aid in the solving of many of these problems. It is with the desire to be helpful in this connection that I offer the following suggestions and information that research and experiment have taught me. The editor has asked that a wider treatment of this soil problem be written than could be covered in answering Mr. Pelzer's questions.

Before taking up the diseased soil study, a definite idea should be had relative to the word "diseased." If diseased means incurable, then it should not be used in connection with soil as the poorest possible soil could be built up by burning or steaming out objectionable matter and then adding those that are not. "Sick," is perhaps a preferable term to disease, but before prescribing for sick soil, consider the uses of soil in plant economy:

- (a) It should provide an anchorage and support so that the plant may be held firmly in position.
- (b) It should furnish water supply for the plant.
- (c) It should contribute certain salts essential to the plant's activity.

Note: The lack of any of the above would cause imperfect growth and yet it would not be correct to state that the soil is incurable.

Then there is the variance of soil:

- (a) Physical texture.
- (b) Chemical composition.
- (c) Depth.

- (d) Origin.
(e) Richness.

Each of the above soil attributes has its peculiar influence upon the life of plants. It is also a recognized fact that rock particles make up 90% of the weight of ordinary good soil and the irregular size of these particles and the slope of them, prevents soil packing and provides pore-space for both air and water which are so vitally necessary for plant growth.

From the soil the plants receives nitrogen, sulphur, phosphorus, calcium magnesium, potassium, iron, sodium, chlorine, silicon and fluorine. From the air the plant receives oxygen, hydrogen, carbon and nitrogen. All of these have been accepted by all constituted authorities as necessary for healthy plant life.

To all of the above we can add, should we elect to treat the subject of soils in a complete manner, organic matter, dissolved substances, organisms and the leaf and all its functions. Thus it becomes more evident that the simple task of prescribing for sick soil is not so easy after all. But knowing these facts ought to suggest that before we say a soil is diseased, we should attempt to improve that soil by putting in or taking out the materials which are, as they evidence themselves, either detrimental or essential to plant life.

Let us state the proposition in another way—if I had a soil such as is described by Mr. Pelzer, I would immediately take measures to correct the constituents of that soil to a point where the soil sickness would be proven beyond any reasonable doubt. The manner in which I would go about this would be:

1. Check exposure to sun.
2. Check drainage.
3. Check texture.
4. Check nature of foliage of adjacent soil.
5. Obtain a soil test.
6. Obtain the soil preference for the plant to be grown.
7. Check the best method of making that soil preference.

And to the above I would add one more after five—if I were reasonably sure of insect infestation, and that I would number five A—fumigation. I would not forget also one of the most important things is that I would need to put back into this soil the animal organic matter which experience has shown to be needed by the plant to be grown.

The Size of Dahlias

By MRS. J. W. LEE, TACOMA, WASHINGTON

In the days when I first began to grow and exhibit Dahlias, over twenty-five years ago, our largest exhibition varieties were four to six inches across and seven inch blooms were extremely large and very rare.

Now some of our exhibition varieties of those days might be classed in with our miniature varieties at the shows of today.

For as the demand of the public has asked for larger and yet larger varieties, the growers have worked hard to fill this demand by trying to see who could place the largest variety on the market each year, until the size of our exhibition varieties of today are gigantic in size, some varieties fifteen to sixteen inches across, and no one can say what size they may reach in the near future.

(Continued on following page)

YANKEE ROYAL

Immense new informal decorative of
bright purple

DOTTIE DIMPLE

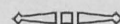
Finest Yellow Pompon

PEQUOT YELLOW

Very large and perfect clear yellow—Single
Splendid exhibition variety

from the home of

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Sarah W. Wood

Originator and Grower of Quality Stock Only

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SOUTHPORT

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FROM DOUBT TO DEPENDENCE

*Each year we eliminate the doubtful
that our stock may include only the
dependable.*

OUR CATALOGUE READY IN JANUARY

will include the BEST OF THE NEW
varieties as well as the dependable earlier
introductions.

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PREMIER DAHLIA GARDENS

31 MERTZ AVENUE

HILLSIDE

NEW JERSEY



400 VARIETIES DAHLIAS

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Honor Roll Dahlias

We specialize in the newer Honor Roll and Certificate of Merit varieties, roots and plants.

Wholesale and Retail

Write for our complete list. Trade list sent only to commercial growers.

We offer plants of such varieties as the following, and roots of the leading 1932 introductions.

Kaweah	Jerome Kern
Satan	Amelia Earhart
Full Moon	American Legion

At the second annual show of the Ohio Dahlia Society, we again won the President's cup for the best commercial display, Class A, with a 400 sq. ft. display. We were also runner-up in points in the open to all classes.

WALTER BISSELL

AUSTINBURG

OHIO

Another thing the public has asked of us is that Dahlias have strong stems, so that these wonderful big blooms can be exhibited with long stems holding the blooms upright, and again the growers have improved the stems until very few varieties are on the market that have poor stems.

There are also the tiny pompons, some less than an inch across, for those who like the smallest varieties, and they are lovely for flower bowls and table decoration.

Then we have the singles, collarettes, anemone, and other miniature types, all very much in demand, and fine for cutting or garden display. But what of the Dahlias which range in size from six to seven inches across? They seem to be "out of luck" for they are between the miniature size and the exhibition size of today, and even though the grower has produced a very lovely color and beautiful formation of petals, etc., it is hard to place on the market and yet this is a wonderful size for cut flowers. Jersey's Beauty would come in this class and was one of the most popular varieties ever put on the market, but at the time it was put on the market it was of large exhibition size; at that time we did not have the extreme size of today and I believe this size will be in demand again in the near future, for I believe there is a proper place for all sizes in Dahlias.

There are no flowers which have such a long season of bloom as the Dahlia. Here on Puget Sound we have blooms in our gardens from the middle or last of June until frost, which is generally in November, but does not come sometimes until in December, which is five to six months of bloom and then the plants will be full of buds and bloom when frost comes.

The Dahlia is indeed the Queen of all Flowers.

Dahlias in England

BY G. F. DRAYSON, 23 PALMERSTON ROAD,
BUCKHURST HILL, ESSEX, ENGLAND

In 1931 our Dahlias were adversely affected by the exceptionally cool and wet weather. 1932 was warmer and dryer but in June and July the weather was again unfavorable to the growth of the plants with the result that August found them dwarf in growth and backward in flowering. There was, however, a great improvement in September and October and the flowers exhibited at the National show were equal or superior in quality to those in any previous year.

The show was a great success and the number of visitors and the gate money surpassed all previous records. The membership of the society and the subscriptions were also well maintained. In view of the financial depression, which has so seriously affected many kindred societies, these facts are very gratifying and are evidence of the continued and increasing popularity of our flower.

Of the giant flowered varieties in our show the following were the six most frequently exhibited in the competitive classes: Mabel Lawrence (still unsurpassed with us as a red), Jane Cowl, Mrs. F. V. Russell, Lord Lambourne, W. D. Cartwright and Daily Mail. The last named is quite the largest variety grown in England although its depth is hardly proportionate to its diameter. It is almost invariably perfect in stem and center and is easy to grow, but its color is not so rich as that of Jane Cowl. The best yellow in the show was Croyden Beauty, a variety imported by Mr. Riding from Australia. Early and free in flowering it is very refined

and gives a large proportion of perfect blooms. The color is particularly rich and beautiful and positively glistens. The American variety, Charles G. Reed, also was exceptionally fine. With us it shows every good quality and it should have a great future in this country.

Of white varieties there were many blooms of Avis Cowdrey, which is a most reliable Dahlia and easily grown. Its stems are long and perfect and it has been very successful in Australia. It is, however, smaller and less beautiful than Andrea Ericson of which one or two splendid examples were seen in the show. Unfortunately in 1932 the latter variety very frequently came with weak stems although in 1931 this defect was hardly noticeable. Royal White is a Continental variety, first grown in England in 1932. It is large and beautiful with a good stem and may prove better than the other two white varieties named.

Kathleen Norris is another variety which very frequently has weak stems and for this reason may never become popular here, although it is otherwise superb. Wonderful also is Mrs. A. B. Seal, but this variety with us is too late in flowering to be suitable for general cultivation. Some very large flowers were seen of Prince of Persia which is of good color but hardly ideal in form. General Gordon, too, a maroon variety of Canadian origin was shown well as also was Monmouth Champion, but the latter, although distinct and beautiful in color, is not of exceptional size and its stems are none too strong.

Of other varieties seen in England in 1932, Bagdad was very fine in color with excellent stems and centers. Dwight Morrow was rich and beautiful in color but the stems were not all that could be desired. Hercules, a 1932 novelty from Mr. Stredwick, was of giant size but its color (purplish crimson) may not be attractive to all. His Mrs. J. L. Gibson was another very large flower of a yellowish orange and may prove a valuable variety. Sunflower, from the same raiser, proved to be one of the very largest yellows but its stems were sometimes weak. Mr. Stredwick also exhibited a number of very promising seedlings, of which D. B. Crane, a brilliant orange scarlet variety, was perhaps the best. He also exhibited a splendid novelty of true cactus form named Mrs. R. Twyford. The color is scarlet shaded orange and is most attractive. It was awarded the cup offered annually for the best cactus variety with a perfect stem. It may be added in passing that we have now quite a number of Dahlias of advanced cactus form with good stems.

Of semi-cactus varieties, Frau O. Bracht is unsurpassed and is now a great favorite. Goldene Sonne and Neptune are also widely grown and are very useful for cutting. Schiller and Ehrenpries, although of smaller size, are very popular on account of their most attractive coloring. More nearly approaching the true English cactus form, Galaxy has proved to be a very valuable introduction. Of very large size and with the best of stems it is a very brilliant flower. The color is yellow, heavily striped and spotted with scarlet. It is by far the best of this style of flower.

These notes cannot be concluded without mention of the miniature or charm varieties which are now so widely grown in England. They are perhaps the most useful of all Dahlias, for not only do they make the most brilliant and continuous display in the garden, but they are also most valuable for cutting and can be used in small rooms where giant flowers would be out of place. In our exhibitions they are shown in bunches and it may be mentioned here that in our National Dahlia Society's show and in other shows the small and medium sized

(Continued on following page)

SAGAMORE GARDENS

Dr. Shirley S. Shattuck

162 ELM STREET EVERETT, MASS.

CERTIFICATE OF MERIT WINNERS

Sagamore Prince won many prizes
King of Yellows trimmed the best in 1932
Oriental Star—No stock for sale until 1934

1933 INTRODUCTIONS

Scarlet Tanger, F. D. The best scarlet I have seen. A nine-inch bloom. Good stem. Does not fade.

Roots \$7.00 net Plants \$3.00 net

Sagamore's Yellow Giant, F. D. A very large, light creamy yellow. No shade like this on the market. Good stem. Great bloomer and keeper. Only a few tubers to sell this season.

Roots \$7.00 net Plants \$3.00 net

Purple Giant, F. D. A true purple with lighter shadings. Flowers eight inches and four inches deep. Good stem.

Roots \$7.00 net Plants \$3.00 net

Send for Catalogue for 1933

LORD of AUTUMN, I. D. for 1934

This gigantic and artistic creation is the peer of all yellow Dahlias to date. Order now.

OUR 1933 INTRODUCTIONS

SALLY B. A huge pink I. Dec. The most beautiful of its color.

WEDDING BELLS. I. D. In formation similar to Florence Klein. Even longer stems and in color a deep golden yellow.

PREVIOUS INTRODUCTIONS

Supreme Glory (Honor Roll), **Supreme Monarch**, (the giant red with white reverse. The most spectacular Dahlia in the garden). **Exquisite**, **Royal Glory**, **Purity**, **Sakonnet Queen**, etc.

Also the very best of the outstanding and Honor Roll Dahlias for 1933 and of previous years. All fully described in my 1933 catalogue. Send for it.

ALMY'S SUPREME DAHLIAS

Box D TIVERTON 4 CORNERS, R. I.

Derring-Do Dahlias

"Athletes of the Show Room and Garden"
won

FIRST PRIZE

American Dahlia Society 1932 Show,
New Jersey Florist Award,
Irvington, N. J.

Because their growth is guided by

The DERRING-DO

Dahlia Guide

25c

and refunded on Dahlia orders over \$1.00.

1933 Dahlia List ready in January
featuring a good white Dahlia,

"MRS. JOHN C. METZGER"

Frederick E. Dixon

Scotch Plains

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SETH PARKER

Our new Roll of Honor Dahlia

CHARM DAHLIAS from England, over
forty varieties to choose from

ROLL OF HONOR DAHLIA SEED and
CHARM DAHLIA SEED

Former mailing lists cancelled. If you
want our price list just issued please write
today requesting it.

CURTIS REDFERN

Lincoln Manor, San Francisco, California

Dahlias in England—Continued

flowers occupy quite as much space in both the competitive classes and the commercial exhibits as do the giant blooms. In our Dahlia trials at Wisley, where new varieties are judged strictly according to their merits for garden display, the gold medals offered each year for the best novelty were won in both 1931 and 1932 by miniature varieties about 3 inches in diameter. Baby Royal, the 1931 winner, is of semi-cactus form and its beauty has already won for it great popularity. Glorious (originally distributed as Useful) was the 1932 winner and is also very promising.

On reading these notes it will be seen that not only do we in England raise many fine Dahlias ourselves, but we also grow the best from many other countries and I should like to say here how eagerly we look forward to trying the many splendid varieties raised in America.

Dahlias in Holland

By H. CARLEE, HAARLEM.

The flowering time of the Dahlias is over again and it is not so easy to take leave of them with the knowledge that it will be a long time before they will strike us again with the fascinating abundance of colours.

Just like every season brings its unpleasantnesses of heat, storm and rain, in order to destruct all the fine flowers, this Fall did not make an exception and though we met with several disappointments, a long flowering period enabled us to rejoice in their splendid deep colouring which most probably will have to be attributed to the mild weather.

You will be most anxious to hear which favorites have attracted special attention and in connection with this feature you will not take us ill when we first mention the highest prize winners.

Thomas Leavitt was awarded with the silver Challenge Cup as the best Dutch novelty of 1932. This variety was already much admired in the trial gardens last year owing to its early and long flowering, moreover always producing perfect and well coloured flowers in great quantities, while the dark green, leathery leaves guaranteed its insensibility for insects. The colour is of a gold with salmon yellow ground, the flowers of enormous dimensions and somewhat flat, very strong and yet thin stems while the flowers keep very well on water. This novelty won the cup with an absolute majority (97 of 100 figures) and surpassed all its rivals by far.

The other competitors for the Challenge Cup were: Ballego's Glory, Ella Bruidegom and Red Champion, each of them of great value, especially for cut flowers.

Ballego's Glory, Red Champion, have been reported last year already and this Fall they have proved once more their first class qualities. Ballego's Glory as double coloured variety is more or less susceptible of change of colour, in proportion to a warm heat or cold period of growth. On the whole the dark brown colour is dominating and well harmonizing with the yellow shade.

Red Champion is a very good cut flower with its exceptionally bright ruby red colour.

Ella Bruidegom which owing to several circumstances did not show its proper qualities in the Trial Garden last Fall, has completely regained this shortcoming and proved to be a free flowering Dahlia, the flowers of which keep very well. This semi-cactus type resembles "Unicum," "Riviera," "Andreas Hofer," etc., with an outstanding salmon rose. Under the same conditions just as for the Dutch novelties a Silver Challenge Cup was available for the best foreign novelty for which every year much interest is showed. The rivals for this year's competition were "Miss Belgium," "Doris J. Cooper" and "Jersey's Triumph," three very different varieties the winner of which could easily be pointed out as the bright orange color, perfect cactus type and free flowering habit of "Miss Belgium" were generally known. On the selections the flowers proved its excellence too so that the the high distinction was really due to this first class Dahlia. Soil and climate will both be of great influence for the successful growth of this Dahlia and time will show us in which country it will grow best.

Doris J. Cooper and Jersey's Triumph we reported before already. The former is of a great value and may be considered as the best seedling of "Dr. Hellmuth Späth," with a still more soft lilac, greater flowers borne on long stiff stems. The Dutch Dahlia Society awarded the Gold Medal given by H. Carlee, Ltd., to this favorite Dahlia as the best novelty planted in the

Trial Gardens with an average of 23%, the other competitors as "Kismeth," carmine red variety, a real semi-cactus shape, free flowering with strong stems, an average of 21%. I specially call attention to the fact that said novelty is often described as the red "Frau O'Bracht" but seeing it has nothing in common, neither habit of growth nor form of flower, with this most outstanding variety, such comparison might be a delusion and it would be better not to blame the name of such a distinctive Dahlia.

Of the new imported American varieties the following have attracted our special attention.

Aimee Hodgins, (Decorative), cadmium yellow with red copper suffusion, form and stem good; vivid color.

Good Night, (Decorative), beautiful velvety red in a dark ground, stems not so firm.

Sharazad, (Decorative), excellent strong stems, bearing enormous dark violet rose flowers.

Eagle Rock Fantasy, (Decorative), together with "Don California," may be considered as the best novelties, large flowers, firm stems, both flowers of a violet rose.

Prince of Persia, (Decorative), striking carmine red, one of the finest shades we have ever seen, it is a pity that the stems cannot always bear the flowers in the correct way.

Sanhicans Red Cap, (Decorative), fine short habit of growth with flowers of a very special vivid dark brick red, short but strong stems.

Reviewing the varieties of the last few years we think the following best: The World, Thomas Edison, Frank Miller (proved to be much better this year than last Fall, seems to be best grown from tubers), Santa Barbara, Granada, Marion Broomall, Monmouth Champion, Jane Cowl, King Midas, Mrs. Alfred B. Seal, American Triumph, Derrill W. Hart, Dwight W. Morrow, Andrea Erickson, Eagle Rock Wonder, Eshcol.

Of the European varieties we will mention Dokouw-pilova, Obrovskia, a beautiful decorative Dahlia with enormous lilac flowers.

From the same originator we may state "Poesie Moravy," with very soft lilac rose shaded flowers, very free flowering with excellent stems extra for cut flowers. Those who prefer bright vivid colors will most probably think this shade too soft, but there against we may oppose, that even by this tender coloring we are certainly obliged to pay full attention to this Dahlia.

Neeltje Van 'T Hoff is a small flowered semi-cactus with a salmon passing to salmon bronze color, and though it is not of a strong habit of growth, it proves to be on an enormous value for cut flowers, when planted in a nutritive soil on a mutual distance of about 18 to 20 inches.

R. Powell, this small decorative Dahlia with bright orange flowers does very well in the garden just the same as the small flowered semi-cactus "Baby Royal" with salmon rose flowers on a yellow ground, which obtained the Gold Medal at Wisley Trial Gardens in 1931.

Grand Soleil D'Or, a semi-cactus of a fine autumn color, belonging to the most striking and outstanding varieties which will certainly rank among the best Dahlias in future. The flowers are of a solid structure, well formed and borne on strong stems. Moreover the plant is very free flowering and should be recommended both as for the garden and for cut flower purposes.

Mad. Florence Braem belongs to the semi-cactus type as "Andreas Hofer," "Golden Sonne," etc., of a striking terra cotta with bronze and last, not least, we mention

(Continued on following page)

THE EVENING POST SILVER CUP

awarded for

The most worthy Dahlia Seedling

at the

1931 SHOW OF THE AMERICAN DAHLIA SOCIETY

At the Hotel Commodore, New York City

ADMIRAL BYRD

very graciously consented that this most beautiful creation be named after him

ADMIRAL BYRD

Decorative Dahlia of outstanding quality, now available, is of perfect form. The outer petals are a rich salmon, shading to old gold at the center. In the sunlight it glistens as if it were sprinkled with gold dust. The plants are vigorous, the tall stems are sturdy and the foliage is robust and healthy.

Admiral Byrd is now offered for the first time! We are now booking orders for this sterling novelty at surprisingly low prices, which will make it possible for every Dahlia lover to add this unusual Dahlia to his collection.

A limited quantity of roots at \$5.00 each
Plants \$2.50 each

CHARLES STEEL

Postoffice Box 75

Cos Cob, Connecticut

Dahlias of Special Merit and Quality

Depression prices, your selection

3 roots for \$10.00 prepaid

Aiko	Janet Southwick
Alice Stellick	Jean Keefer
Betty Colter	Prince of Persia
Dr. H. Howard	Rudy Vallee
D. W. Morrow	Rosina Mehaffey
Eagle Rock Fantasy	San Bernardino
Floyd Gibbons	Shahrazade
Girl of Hillcrest	Sonny Masson
Indiana Moon	The Commodore
Kentucky Red	Tang

Quantities very limited on certain varieties, order today. Deposit of 25%, balance payable on delivery of order. We guarantee 100 per cent satisfaction. Send for complete list.

Lakewood Dahlia Gardens

1654 MARS AVENUE

LAKEWOOD

OHIO

Patricia Ann

Formal Decorative—Our Origination

Picric yellow, blending into alizerine pink. Flowering habits, prolific, extra heavy stem facing upward. Ideal cane stem and one hard to beat. Can be grown 10 to 11 inches easily and we have had some 13 inches. Received Certificate of Merit at American Dahlia Society trial grounds at Storrs in 1930 scoring (87). In 1932 at West Virginia Dahlia Society show it won first prize in yellow class as best specimen bloom, and also won first prize in vase of (3) bloom class against a field of (22) entries.

ROOTS \$5.00 PLANTS \$2.50

Catalog now ready listing the best in Dahlias

Rosemary Dahlia Gardens

Em. Delbrugge & Son

Box 429

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OHIO

DAHLIAS

Catalogue for 1933 ready for mailing. Novelties and standards. Prices to suit present times.

Forty-seven years among the Dahlias.

We feature a fine list of Pompons as well as novelties. Stock true to name and free from disease.

Applicants for catalogs must enclose business card if dealers' list is wanted.

W. W. WILMORE'S DAHLIA FARM

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Why Run Risk Buying Dahlias?

Try our prize winning stock. We guarantee satisfaction or money refunded; and our prices very reasonable.

Write for 1933 Price List, now ready.

H. H. ROBENS

41 Hall Avenue, Chagrin Falls, Ohio

DIXIE DAHLIA GARDEN

1101 Lawrence Ave.

Nashville, Tenn.

offers super introductions for 1933: Gold Star Mother, Dixie Moonbeam, Oriental Splendor, Dixie Cardinal, My Pal, City of Nashville, Sam Davis, Tennessee, David Crockett, Star of Orient, The Shriner, Sawney Webb, Dixie Triumphant.

"Royal Dutch" an outstanding semi-cactus with a strong habit of growth, solid stems with fine copper bronze color.

Still many more excellent novelties were exhibited this year by several growers so that we sure are to be enabled to give you next Fall an interesting report of the different novelties.

A good shape, free flowering and strong stems are those qualities which are all present in these novelties. A special selected collection of e. g. twelve varieties, in my opinion, should consist of: Ballego's Glory, Daily Mail, Doris J. Cooper, Ella Bruidegom, Eagle Rock Fantasy, Grand Soleil D'Or, Kareol, Miss Belgium, Nivea, Poesie Moravy, Red Champion and Thomas Leavitt and for the second selection of those varieties known already: Conservatrix, Frau O'Bracht, Jane Cowl, Kareol, Lord Lambourne, Monmouth Champion, Nagels Meesterstuk, Park Beauty (small flowered for bedding), Paul Pfitzer, Royal Velvet, Royal White, Schiller.

Ohio Society Elects Officers

At the annual meeting of the Dahlia Society of Ohio, Inc., held on December 9th, at Hotel Statler, in Cleveland, Ohio, the following officers were elected:

President, Mr. Chris Wind, Rocky River, Ohio; First Vice-President, Mr. John Strasen, Jr., Austinburg, Ohio; Second Vice-President, Mr. Frank Parenica, Bedford, Ohio; Third Vice-President, Mrs. Charles F. Lasch, South Euclid, Ohio; Fourth Vice-President, Dr. H. H. Smith, Rocky River, Ohio; Treasurer, Mr. John Grigor, South Euclid, Ohio; Secretary, Mrs. Carl L. Seith, 1700 Rushton Road, South Euclid, Ohio.

The annual Dahlia Show was held in Hotel Statler on September 19th-20th and was a great success. Many beautiful blooms were shown. We have had a very successful year and many applications for membership.

Mrs. Charles F. Lasch, Pub. Chairman.

Mr. McCurdy Tells Indiana About the A. D. S. Show in New York

The Dahlia Society of Indiana, organized a year ago has passed a most successful and prosperous year. The membership numbered 100 growers and the annual show was a success both in point of displays and financially. The first regular meeting of the new year was held in the Cropsey Auditorium of the Main Library, November 19, 1932, with Mrs. Flora M. Hughes discussing "New introductions in the Dahlia world."

All meetings of the new year of the executive committee are scheduled as luncheon meetings in the Washington Hotel in Indianapolis. At a recent meeting of this committee, plans were made for a bigger and better show to be held in Indianapolis, September 16th and 17th, the place to be decided later. Mr. F. T. McCurdy of Kokomo was elected show chairman for another year.

The next general meeting of the society will be held January 8th at which time Mr. F. T. McCurdy will give his "Impression of the New York Show." At the next meeting sometime the first of March, the program will take the form of a symposium on the Dahlia, discussing, division of a clump, propagation by cuttings and fertilization, illustrating both division and green plant work.

Mrs. C. Hughe, Director of Publicity.

General List, Trial Grounds—Continued

(Continued from page 16.)

84. S04, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (82½). Entire flower chalcedony yellow. Flowering habit good. Stem 3-7 in. heavy, stiff, crotch, flower on end. Size of flowers 5¼-8½ in., depth 2-4 in. Height 4 ft.

85. 7777-RS, Informal Dec, open center, entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (80). Geranium pink, tones of picric yellow on center petals. Back of petals mallow and amaranth pink. Flowering habit good. Stem 4-12½ in. heavy, stiff, flower faces down. Size of flowers 8-10 in., depth 2-¾ in. Height 6 ft. 5 in.

87. 3500, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (80. Poor stem, big flower). Pale amaranth pink and amaranth pink at base of petals. Flowering habit fair. Late. Stem 3-6 in. medium, crotch, flower faces side, tends to turn down. Size of flowers 6½-9½ in., depth 2-¾ in. Height 7 ft.

89. 3608, Informal Dec to open center, entered by Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Massachusetts. (81½). Amaranth purple nearest, back of petals rhodamine purple and mallow purple. Flowering habit fair. Stem 7-10 in. medium to extra heavy stem, flower faces down. Size of flowers 6-8½ in., depth 1¾-2½ in. Height 4 ft. 1 in.

91. BEATRICE SANSFIELD, Informal Dec, entered by Marion Brezler, Penn., Pennsylvania. (81). Rose red, tips and backs of petals rose pink. Flowering habit fair. Stem 6¼-14 in. heavy, stiff, flower faces down. Size of flowers 5¼-9 in., depth 1¾-4¼ in. Height 5 ft. 5 in.

92. CHARLOTTE CARPENTER, Informal Dec, entered by Howard J. Frame, P. O. Box 505, Porterville, California. (83. Good color). Pale amparo purple center, with shadings of light phlox purple. Outer edges of petals darker than middle portion. Flowering habit prolific. Stem 3-9 in. medium, flower faces down. Size of flowers 4½-7½ in., depth 1½-2¼ in. Height 5 ft. 6 in.

96. MRS. S. A. CASTO, Informal Dec, entered by Robert D. Casto, 2635 Casto Ave., Holliday, Utah. (82). Rose red, trifle darker at center. Flowering habit good. Stem 3-11 in. medium, pendant, facing the ground. Size of flowers 5-8½ in., depth 2-¾ in. Height 7 ft. 5 in.

97. PRIDE OF THE ROCKIES, Informal Dec, entered by Robert D. Casto, 2635 Casto Ave., Holliday, Utah. (83). Mostly carmine with shades of tyrian rose. Flowering habit fair. Stem 6-12½ in. medium, stiff, flower on end facing the heavens. Ideal stem. Size of flowers 6¼-9 in., depth 2-¾ in. Height 6 ft. 11 in.

99. BADGER STATE, Informal Dec, entered by E. M. Larsen, 1245 E. Dayton St., Madison, Wisconsin. (80. Lively color). Petals apricot yellow splashed with rose red. Very center of apricot yellow. Flowering habit prolific. Late. Stem 2-9 in. medium, stiff, flower on side, some on end. Size of flowers 6-8¼ in., depth 2-2½ in. Height 5 ft.

106. C-10, Informal Dec, entered by Quick and Quick, Wyndhurst and Lawndale Aves., Roland Park, Baltimore, Maryland. (82. Very free flowering). Pale orange yellow, center grenadine pink. Flowering habit prolific. Stem 5-11 in. medium, stiff, flower on side. Later pendant, not a good stem. Not improved by disbudding. Size of flowers 4½-7½ in., depth 1¾-2¾ in. Height 5 ft. 11 in.

107. C-29, Informal Dec, entered by Quick and Quick, Wyndhurst and Lawndale Aves., Roland Park, Baltimore, Maryland. (82. Too much like Jersey Ideal). Shadings of light mallow purple, center unopened petals darker. Flowering habit prolific. Stem 5-13 in. heavy to extra heavy, erect, flower on end, will be on side, good stem. Size of flowers 5¼-8¾ in., depth 1¼-4 in. Height 5 ft. 5 in.

(Continued on following page)

NORTHWEST DAHLIAS

LADY MOYRA PONSONBY
(Elder-Lee)

Won American Home Achievement Medal, Seattle Dahlia Show. Also won American Dahlia Society Silver Medal for best 6 blooms 3 year seedling, and **Sweepstake** for largest. Also won for Best Dahlia in the Show at Provincial Exhibition, Victoria, B. C., and **Sweepstake** for largest and best Dahlia at the Victoria, B. C., Dahlia Society Show. Some of winning blooms were 15½ inches across and 9 inches deep. Informal decorative, pure glowing yellow, strong stems. First named Yellow Emperor, but changed. Wonderful Dahlia. Roots \$10.00 net.

BLUE HARMONY

Outstanding informal decorative with fringed petals, deep lavender, shaded blue. Blooms, large, stems good. Roots \$7.50.

PROSPERITY

What we have all been looking for. Very large, bright La France pink semi-cactus. Strong stems. Roots \$10.00.

TACOMA'S BEAUTY

Large deep salmon pink blended with strawberry pink, gold at base and tips of petals. Formal decorative. Good stems. This and our "Queen of the West" won us first prize, also **Sweepstakes** best basket Dahlias at Washington Dahlia Show. Roots \$7.50.

QUEEN OF THE WEST

Informal decorative, with wavy petals. Creamy yellow center to peach pink on outer petals. Lovely. Good stems. Roots \$7.50.

Also many other new and standard varieties at reasonable prices. **Send for catalog today.**

LEE'S DAHLIA GARDENS

(Oldest in the State)

R. 5, University Place, Tacoma, Wash.

Ansul

FORMALDEHYDE
DUST

A seed and soil treating compound, which controls seed-borne diseases, root rots and damping off of seedlings and cuttings.

ROOT ALL DAHLIA

CUTTINGS and SEEDLINGS

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General List, Trial Grounds—Continued

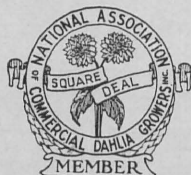
108. C-86, Informal Dec, entered by Quick and Quick, Wyndhurst and Lawndale Aves., Roland Park, Baltimore, Maryland. (82. Stem drooping). Scarlet red, back of petals warm buff. Flowering habit prolific. Stem $2\frac{1}{2}$ -11 in. stiff, medium, flower on side. Size of flowers $4\frac{1}{2}$ -8 in., depth $1\frac{3}{4}$ -3 in. Height 4 ft. 6 in.

109. DOROTHEA HARDING, Informal Dec, entered by D. M. Sherk, Garrett Hill, Pennsylvania. (80). Petals yellow at base and splashed and sometimes striped with carmine, backs light buff. Tips of petals mostly clear carmine. Flowering habit good. Stem 6-14 in. heavy, stiff, flower on side. Later pendant. Size of flowers $4\frac{1}{2}$ -8 in., depth $1\frac{1}{4}$ - $2\frac{1}{4}$ in. Height 5 ft. 3 in.

111. MRS. JOHN W. STOCKWELL, Informal Dec, entered by John M. Root, Collingswood, New Jersey. (81). Amaranth pink, mallow purple at center. Flowering habit good. Stem 4-11 $\frac{1}{4}$ in. slender to medium, flower on side. Size of flowers 6-9 $\frac{1}{2}$ in., depth $1\frac{3}{4}$ -3 $\frac{1}{4}$ in. Height 6 ft. 5 in.

112. SPARTAN LADY, Informal Dec, entered by Haddonale Dahlia Gardens, Haddon Heights, New Jersey. (79 $\frac{1}{2}$). Entire flower scarlet red. Flowering habit fair. Stem 6-15 in. medium, flower on side. Size of flowers 6-7 $\frac{3}{4}$ in., depth 2-2 $\frac{1}{4}$ in. Height 5 ft. 11 in.

113. GLORY OF HADDON, Informal Dec, entered by Haddonale Dahlia Gardens, Haddon Heights, New Jersey. (80 $\frac{1}{2}$). Aster purple, back of petals mallow purple, darkest color at center Dahlia purple. Flower-



National Association of Commercial Dahlia Growers

This Association is an incorporated organization and is composed of reputable and financially responsible Dahlia growers and dealers. The emblem of the Association is represented in the upper corners of this advertisement.

This emblem in the advertisement of a Dahlia grower, signifies his membership in the National Association of Commercial Dahlia Growers. It stands for Integrity—Reliability—and a Square Deal.

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Scarboro Gardens Co., Ltd., Scarboro, Ontario.
O. P. Roach, 113 Empire St., E. Lynn, Mass.
Mannetto Hill Nurseries, Hicksville, L. I., N. Y.
Kit Gardens, 9 Irvington St., Springfield, Mass.
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Baumann's Dahlia Gardens, Birmingham, Mich.
Veile & Mendham, Box 185, Easton, Pa.
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Milton F. Untermeyer, Jr., 900 Ocean Ave., Elberon, N. J.
Knollwood Gardens, C. L. Glenn, Winston-Salem, N. C.
Mad River Gardens, D. Paul Wickersham, Urbana, Ohio.
Hillside Farm, Walter Bissell, Austinburg, Ohio.
Ruschmohr Dahlia Growers, Rockville Center, L. I., N. Y.
Keystone Dahlia Gardens, Hickville, L. I., N. Y.
Locust Valley Dahlia Farm, Cold Springs Harbor, N. Y.
H. Jay Welcher, Newark, N. Y.

Any reputable and reliable commercial Dahlia grower is eligible to membership in this Association. Full particulars may be obtained by addressing the secretary, Thomas Leavitt, Assinippi, Massachusetts.



ing habit prolific. Stem $3\frac{1}{2}$ - $12\frac{1}{2}$ in. medium to extra heavy, flower faces side. Improved by disbudding. Size of flowers $6\frac{1}{2}$ -8 in., depth $1\frac{3}{4}$ - $2\frac{3}{4}$ in. Height 5 ft. 1 in.

114. HADDON'S BELLE. Informal Dec to Pf, entered by Haddondale Dahlia Gardens, Haddon Heights, New Jersey. (80). Rhodamine purple, backs mallow pink. Flowering habit prolific. Stem 2-13 in. slender, pendant, flower on side, flower too large for stem. Size of flowers 4- $8\frac{1}{4}$ in., depth $\frac{3}{4}$ -4 in. Height 5 ft. 9 in.

119. SCARLET BEAUTY. Informal Dec, entered by Mrs. G. A. Ketner, Tobasco, Ohio. (80). Spectrum red. Flowering habit good. Stem $4\frac{1}{4}$ - $9\frac{1}{2}$ in. medium, upright, flower on side. Not improved by disbudding. Size of flowers 5- $7\frac{1}{2}$ in., depth $1\frac{1}{2}$ - $3\frac{1}{2}$ in. Height 5 ft. 9 in.

133. POINSETTA PILGRIM. Informal Dec, entered by Rev. William J. Reynolds, R. 4, Norwich, Connecticut. (83). Crotchety if not disbudded. Color good. Would like to see it natural). Rose red. Flowering habit late. Stem 3- $7\frac{1}{2}$ in. extra heavy when disbudded. Flowers on ends facing the heavens. An ideal stem when disbudded. Size of flowers $5\frac{3}{4}$ -9 in., depth 2-3 in. Height 7 ft.

137. 239. Miniature Formal Dec, entered by Dahlia-del Nurseries, Warren W. Maytrott, Vineland, New Jersey. (83). Yellow base of petals around center and outer petals splashed with tyrian rose and edges pale yellow. Flowering habit prolific. Stem $7\frac{1}{2}$ -12 in. slender, soft. Not improved by disbudding. Size of flowers $3\frac{1}{4}$ -4 in., depth $\frac{3}{4}$ - $1\frac{1}{2}$ in. Height 5 ft. 4 in.

139. BARBARA JANE. Formal Dec to Pf, entered by L. G. Cronberger, 223 No. Grinnell St., Jackson, Michigan. (81). Center petals scarlet red, shading into the outer petals which are tipped with grenadine pink. Flowering habit prolific. Stem $3\frac{1}{2}$ -13 in. medium, pendant. Not improved by disbudding. Size of flowers $4\frac{1}{4}$ - $6\frac{1}{4}$ in., depth 1-3 in. Height 5 ft. 3 in.

103. LILLIAN BAILEY. Informal Dec, entered by George W. Bailey, 473 West Main St., Meriden, Connecticut. (81). Center, cream white, outer petals pale rose purple. Flowering habit prolific. Stem 4-12 in. medium, to slender, flower faces down. Poor drooping, not improved by disbudding. Size of flowers $4\frac{1}{2}$ -7 in., depth $1\frac{1}{4}$ - $2\frac{3}{4}$ in. Height 4 ft. 7 in.

104. TAXCO. Informal Dec, entered by Miss Virginia Stout, Short Hills, New Jersey. (83). Light orange yellow, flesh ocher at center and many petals are shaded with flesh color. Flowering habit fair. Stem 3-11 in. medium to extra heavy, stiff, flower on side, crotchety. Tend to face the ground. Size of flowers $5\frac{3}{4}$ - $9\frac{1}{4}$ in., depth $1\frac{1}{2}$ - $2\frac{3}{4}$ in. Height 6 ft. 6 in.

105. GOV. WHITE. Formal Dec, open center, entered by Charles F. Lasch, 1435 Dill Ave., South Euclid, Ohio. (82). White, center of unopened petals sulphur yellow. Flowering habit fair. Stem $5\frac{1}{2}$ -13 in. medium, flower on side, some face down. Size of flowers $4\frac{1}{2}$ -7 in., depth $1\frac{3}{4}$ - $3\frac{1}{2}$ in. Height 5 ft. 7 in.

122. 56-30-28. Informal Dec, entered by D. P. Wick-ersham, Mad River Gardens, P. O. Box 12, Urbana, Ohio. (81). Scarlet red and some scarlet blended in and a tint of buff yellow. Flowering habit late. Stem $6\frac{1}{2}$ -17 in. slender to medium, flower on side, stiff, a good stem. Size of flowers 6- $7\frac{3}{4}$ in., depth 2- $3\frac{1}{4}$ in. Height 5 ft. 6 in.

123. 89-30-21. Informal Dec, entered by D. P. Wick-ersham, Mad River Gardens, P. O. Box 12, Urbana, Ohio. (80). Maize yellow center, other petals are rose pink shaded with deep rose pink. Flowering habit prolific. Stem $4\frac{1}{2}$ -12 in. heavy, stiff, crotchety, flower on side, slightly improved by disbudding. Size of flowers $5\frac{1}{2}$ - $7\frac{3}{4}$ in., depth $1\frac{3}{4}$ - $2\frac{1}{2}$ in. Height 5 ft. 11 in.

126. L-1. Informal Dec, entered by Waite's Gardens, Inc., Eatontown, New Jersey. (84). Light rosolane purple, rosolane purple at center. Flowering habit prolific. Stem $7\frac{1}{2}$ - $13\frac{1}{2}$ in. heavy, stiff, flower faces down. Improved by disbudding. Size of flowers $5\frac{3}{4}$ - $9\frac{1}{4}$ in., depth 2-3 in. Height 5 ft. 6 in.

(Continued on following page)

Petrie's Select Dahlia Seed

Now ready for distribution

I grow only the best and newest varieties of exhibition Dahlias of the decorative, cactus and semi-cactus types for seed.

Also a few of the older varieties together with some of my own undisseeded originations which have proved themselves to be exceptionally good producers of good seedlings.

All of my seed is ripened on the plant and is hand picked, the long Southern California growing season making this possible.

I do not grow for cut flowers, therefore have no reason for forcing my plants thus allowing all the strength of a normal growth to go to the seed and tubers.

It does not pay to grow seedlings from promiscuously picked seed. It does pay to procure seed from my garden where only high grade and proven varieties are grown.

A trial will convince you and will be appreciated. Cash must accompany order.

Seed \$4.00 per 100

Trial packets (25 seed) \$1.00

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"THOMAS LEAVITT"

WINNER OF THE SILVER CHALLENGE
CUP 1932

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KINDS VITALITY DAHLIAS

Extensive list of the latest in whole clumps
at surprisingly low prices.

SHADY LAWN NURSERY

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If you want the finest

DAHLIAS

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SOMERHOUSEN DAHLIA GARDENS

Chestnut Hill

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12 ROOTS \$5.00

Albert Vestal, Arthur M. Hyde, Cora Butterworth, Dr. John Carman, Elizabeth Carteret, Fort Monmouth, Frau Von Brancioni, Gabriel, Graf Zeppelin, Helen Ivins, Illinois, Jane Cowl, Jersey's Glory, Jersey's Meteor, J. Sieckmann, Kentucky, King Midas, Lorelei, Mary Helen, Mirafloza, Monmouth Champion, Mrs. Kenyon, Nellie Austin, New Glory, Orientale, Pearl Marie, Prince of Pilsen, Roxy, Seal's Californian, Spottswood Beauty, Star of Bethlehem, Summertime, The Boy Scout, The World, Thomas A. Edison, Valentino, Treasure Island.

6 ROOTS \$5.00

Capt. Coste, Charles G. Reed, Col. E. H. R. Green, Donna California, Dorothy Stone, E. R. Gem, Elite Moonlight, Elite Sunset, Eliza L. Shepherd, Goodnight, Grace Curling, Ishbel, Josephine G., Jullinar, Lochinvar, Miss Wilma, Mrs. A. B. Seal, Mrs. L. F. Hyde, Ozark Sport, Pansy White, Santa Barbara, Sunset Trophy, Supreme Glory, Wandell's Primrose, Watching Wonder, Will Rogers, Yellow Beauty.

3 ROOTS \$5.00

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3 ROOTS \$10.00

Alaska, Dwight W. Morrow, Girl of Hillcrest, Indiana Moon, Janet Southwick, Eagle Rock Fantasy, Jean Keefer, Lavender Princess, Miss Oliver, Pride of San Felipe, Prince of Persia, Royal Flush, Rudy Vallee, Shahrazad, Tang, The Commodore, Williamette.

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PATRICIAN DAHLIAS

"On the Sunrise Trail"

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Best descriptive wholesale catalogue issued. Be sure and send for your 1933 copy.

FINE STOCK OF ROOTS OF THE FOLLOWING HONOR ROLL VARIETIES

Kathleen Norris, Commodore, Girl of Hill Crest, Janet Southwick, Jenny Lind, Monmouth Champion, and many others of the world's finest Dahlias. List now ready.

PIONEER CITY DAHLIA GARDENS

W. T. Buell, Prop. Marietta, Ohio

General List, Trial Grounds—Continued

132. 309. RUTH S. PURRINGTON, Semi Cactus, entered by F. L. Purrington, 315 W. Harrison Ave., Wheaton, Illinois. (84). Very fine, one of the best in the garden. Color against it. If out in sun would fade). Red rose, back of petals seashell pink. Flowering habit fair. Stem 5½-12 in. medium to heavy, pendant, drooping. Size of flowers 6½-8 in., depth 3-4½ in. Height 3 ft. 6 in.

140. SHERMAN BUCKINGHAM, Informal Dec, entered by L. G. Cronberger, 223 No. Grinnell St., Jackson, Michigan. (81). Carmine, changing into spectrum red, back of petals magenta shadings. Flowering habit good. Stem 4-11 in. medium, stiff, flower on side, good stem. Not improved by disbudding. Size of flowers 6-9 in., depth 1¾-3 in. Height 5 ft. 10 in.

143. "TOM RIVER," Informal Dec, entered by William B. McKelvey, Toms River, New Jersey. (80¾). Tyrian pink and shades of deep rose pink. Flowering habit poor. Stem 3½-15 in. heavy, stiff, flower on side. Size of flowers 4¾-7½ in., depth 1-3 in. Height 5 ft. 3 in.

144. HOPLER'S MEMORIES, Informal Dec, entered by G. Y. Hopler, Chester, New Jersey. (81). Lacking in substance. Large flower, shaggy type). Flesh ocher, center light jasper red. Flowering habit late. Stem 5-13½ in. heavy, flower on side. Size of flowers 8½-9 in., depth 2-3 in. Height 5 ft. 10 in.

146. NO. 5, Informal Dec, entered by J. Groll, Fenton Gardens, 916 Main St., Fenton, Michigan. (82). (Stake No. 428 was unlike Nos. 429 and 430. This variety was scored by the judges and it is assumed that they noted stakes Nos. 429 and 430.) Stake No. 428, Begonia rose, backs of petals rosolane purple. Tones of light coral red on nearly all petals. Stake No. 429, general tone jasper pink and center petals rosolane purple also backs. Flowering habit fair. Stem 5-14 in. medium to extra heavy, stiff, flower on side, when disbudded flower is too heavy for the stem. Size of flowers 4½-7 in., depth 1¾-3 in. Height 4 ft. 1 in.

147. NO. 117, Informal Dec, entered by J. Groll, Fenton Gardens, 916 Main St., Fenton, Michigan. (84). Good stem, foliage. Shows open center). Rosolane purple center (nearest in book) then changing to carmine with mallow purple tips and backs. Flowering habit good. Stem 7-14 in. heavy, stiff, flower on side. Size of flowers 6¾-9 in., depth 2-3¾ in. Height 5 ft. 11 in.

In addition to those mentioned there were 59 entries scoring less than 80. Some of these are recommended for retrial, others were mixed stock while a few made poor growth and were not in condition to judge.

A Correction

In the report of the Seattle Dahlia Society show as given in the October BULLETIN, Mr. Elder, of Victoria, was mentioned as winning the American Home Achievement Medal with his "Yellow Emperor," a large Golden Yellow. This should have been "Lady Moyra Ponsonby." When Mr. Elder got back home his friends and relatives wouldn't let him have the name "Yellow Emperor" and we were not informed in time to have it changed in the report.

J. E. Hulin, Seattle, Wash.

FORT NELSON

New F. D. Scored 84 at Storrs

Light orange yellow. Reverse Jasper pink. Disbud and get 10" and 12" bloom. Robust. No spray. Excellent stems. Keeps four to six days. Roots \$5.00.

C. H. DURNIL

165 Pennsylvania Ave. Louisville, Ky.

Goings on 10 Years Ago in A. D. S.

Chronicles gleaned from Early Bulletins

Judge Josia T. Marean of Brooklyn, New York, and Green's Farms, Connecticut, died Wednesday, February 8th, at Winter Park, Florida (1922.) Judge Marean loved Dahlias and spent more than fifteen years with them as a hobby. He originated the "Marean type" and left many fine varieties as a heritage to posterity. Many of our most popular present day Dahlias are descendants of the type of Dahlias which he spent years in creating.

C. Louis Alling contributes an article answering one from Geo. W. Kerr on over propagation. Our worthy managing editor took the sturdy stand that "careful propagation will not harm any Dahlia." It reads real logical for a ten year old argument. So they were harping on that subject even in those days. Well, well. J. J. Bromall also contributed interesting observations anent same topic.

Yes, and M. G. Tyler tells about Doctor Young's suggestion to spray stunted plants with a Bordeaux mixture with black leaf 40 to take care of aphids at same time. Time to spray—when new leaf buds appear after pinching out top of plant. Is nothing sacred to our modern growers. They even had stunt back in those days. Can't we invent a new, up-to-date trouble to talk about?

Wm. B. Sweeney makes a few suggestions to the executive committee of the A. D. S. One of the most interesting is a plea for addition to show schedule of "the so-called fancy types" and adds that the "seedling question is the most vital question before the organizations."

Richard Vincent, Jr., president at the time, writes in an article the prophetic statement: "The term hybrid as applied to Dahlias is rather a misnomer but it has gotten into common use, especially in various catalogues, and we suppose it will have to continue until we set up an entirely new set of classifications (which it did until two years ago when the new 14 classifications were adopted)."

"Prof. Roland H. Patch, the new man in charge of the Connecticut Agricultural College Trial Grounds was present at the March meeting of the executive committee and impressed as being exceptionally well qualified to continue Prof. Fraser's work."

Thomas J. Murphy (he died in 1930) of Peabody, Mass., tells in a convincing manner how to tell the stunt 3 or 4 years in advance. He said in part: "The most important part of Dahlia growing, health and disease. No man has the power to cure a diseased root. No man has the power to disease a healthy root. Don't forget that roots (he said bulbs) are subject to disease every day in the year in garden, cellar or hot house. Nature alone has the power to disease the clump. When she does it, you burn the clump. When it contracts the stunt you see what I call sick spots on the stalk, like a rash or blotches, red and black mixed up. Watch in your garden, watch every plant and when you see these sick spots appear—don't plant any roots from this clump ever. The stunt is a root disease. No root or slip from a stunt is any good. The plant that turns to wood is a stock disease caused by poor circulation. Roots from any plant which does not show these sick spots are O.K. Watch for the stalk spots." Which is sound advice even today—and our old friend Tom Murphy thus lives on in his endeavor to help Dahlia fans settle one of the problems of Dahlia culture 10 years ago and now.

(Continued on following page)

DAHLIAS DELPHINIUMS TRANSVAAL DAISIES

Send your address now for Catalogue, featuring all of these beautiful and irresistible flowers which can be easily grown the first year from seed.

Collection A—Hand-hybridized Dahlia Seeds from greatest California originations, noted for their size. **100 Seeds \$5.00; 50 Seeds \$3.00.**

Collection B—Seeds from new Prize Winning Dahlias, both Eastern and Western. **100 Seeds \$5.00; 50 Seeds \$3.00.**

Collection D—Seeds from general collection of all varieties. **100 Seeds \$1.00.**

DELPHINIUMS of the new type having stiff wiry stems—rare and exquisite color combinations. **\$3.00 a Packet.**

TRANSVAAL DAISES—**\$1.50 a Packet.**

DAHLIA ROOTS Our Roots of finest California and Eastern Dahlias are guaranteed to grow.

"Milwaukee, Wis.

"When I purchased your Dahlia Seeds, Collection A, had no idea of the wonderful success and pleasure they would bring. My seedling not only won first prize in our show but when the judges looked for the best flower they went to the seedling class and mine won the American Home Achievement Medal."

Sies Dahlia Manual 60 cents

JESSIE L. SEAL

605 Third Avenue, San Francisco, California

DAHLIAS NEW BEAUTIFUL GEISHA

Ching, a new beauty of yellow, orange and Chinese red. Good size. Only \$3.00 per bulb.

Iona, new H. C. A well set up Dahlia; constant bloomer, strong stem. Large apricot colored flowers. Only \$3.00 per bulb.

These two new 1933 beauties for only \$5.00.

"Keeping the bulbs" in our free catalogue.

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POMPON and MINIATURE DAHLIAS
100 Pompon seed.....\$1.00
Miniature or English Single seed per pkt. .25

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DAHLIA SEEDS OF QUALITY from Up-to-Date Varieties Only

No Singles or Poms
Packets \$1.00 and \$2.00

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LEBANON, OHIO

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Pioneers in the introduction of large Dahlias to the Middle West. Originators of the Table of Ratings.

We grow only Dahlias, specializing in the finest, newest varieties.

Write for our free catalogue

Prices right—Service and Quality
Guaranteed.

6 DIFFERENT—OR 10 ALIKE \$1
GIANT FLOWERING, postpaid

and many, many other exceptional

SPECIAL AND FREE OFFERS

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Three farms covered with Dahlias

High class stock, guaranteed true to name, and satisfactory. No stunts. Divisions from such varieties as Champoege, E. R. Fantasy, Morrow, Imperial Pink, Trimbee, Mary Ellen, Shahrazad, Buckeye Bride, Norris and many others at very reasonable prices. List.

DR. E. S. LANDESS

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Dahlias of the better varieties. Government inspected. With every \$10.00 order we will give gratis one root of Gov. White, white F. D., scored 82 at Storrs, Conn., 1932. Roots and green plants. Catalogue on request.

THE LASCH FLORAL GARDENS

1435 Dill Avenue

South Euclid, Ohio

10 Years Ago in A. D. S.—Continued

A splendid article—or rather a conclusion of one, on "Judging Dahlias" by Prof. J. B. S. Norton—which is still a most discussed topic—or subject for argument.

Dr. Marshall A. Howe concludes also a story of the Leaf Hopper and relates details of an investigation by parties in Wisconsin on varieties which are immune to this ravager. We are still interested in this pest, Dr. Howe. Have you discovered anything new about him—or something to his disadvantage in the last decade, to add to this very worth while article?

"It is expected that there will be exhibited at our September show samples of sugar made from Dahlia 'tubers.' Chemists say that this sugar is sweeter than cane or beet sugar and can be used without injury by diabetic patients. The strange feature claimed is that it can be produced cheaper than beet or cane sugar. The Dahlia, therefore, may become an important food plant." Something must have gone wrong with this plan. We have never put Dahlia sugar in our coffee.

If we could just reprint this ten year old issue of the BULLETIN—it would make most interesting reading. We have given you a few glimpses into the past—do you like them? Shall we do it again?

Advertisers 10 years ago who are still giving us their patronage are: C. Louis Alling, N. Harold Cottam, W. L. W. Darnell, Dahlia-del Nurseries, Geo. L. Stillman, W. Atlee Burpee. That is evidence that the BULLETIN pays dividends for every advertising dollar.

Further Classification Necessary?

By DR. MARSHALL A. HOWE

At the November meeting of the Executive Board of the American Dahlia Society, held at the Hotel Pennsylvania in New York, it was suggested that the Nomenclature Committee make rulings as to the classification of certain varieties, such as American Legion, Frau O'Bracht, etc., the classification of which has been a source of doubt and trouble in recent shows, and that such classification be published in an early number of the BULLETIN and serve as an authoritative guide for the staging of these varieties in future exhibits. The members of the committee recognize the difficulties involved and would prefer to re-examine the flowers of all such varieties on the bush before rendering a final decision. However, it is probable that most members of the committee already have rather definite ideas as to the proper classification of the varieties that have caused most of the trouble. Moreover, it is too much to expect any unanimous opinion as to the right pigeon-hole for certain Dahlias, for the flowers of any variety may have one form in Massachusetts and another in California, one form on a heavy clay soil and another on a light sandy soil, one form on a hot dry day in July and another on a cool moist morning in October, or even the same flower may have one appearance when it is young and another when it is old. It is futile to expect plastic exuberant Nature to conform always to rigid, man-made definitions. It would be the same, however, those definitions might be modified and however many new classes might be recognized. But your committee will do the best it can and will be pleased to pass judgment on any of the border-line varieties to which its attention may be directed, provided the variety is not so new as to be unknown to the committee. Perhaps a list of such decisions can be published in the April number of the BULLETIN. Kindly send the names of these border-line varieties to the chairman of the Committee,

*Marshall A. Howe, New York Botanical Garden,
Bronx Park New York, N. Y.*

Thanks for These Kind Words

Was very much interested in the last BULLETIN and like the change very much. Especially I was interested in the Forum discussion of root storage. It seems as if nearly everyone has their own pet method.

Francis C. Ryan, Poughkeepsie, N. Y.

The October BULLETIN arrived and I want to compliment all who had a part in getting it out, from the standpoint of improvement. If you follow this issue in appearance and editorial quality I know you will give satisfaction to all members of the American Dahlia Society.

*Prof. Roland H. Patch,
Storrs' A. D. S. Trial Ground Manager.*

I wish to commend you and your associates for the splendid appearance of the new BULLETIN and its very fine contents. It certainly is a real and attractive aid for Dahlia growers and lovers.

Earl B. Mayer, Parkersbury, W. Va.

I intended to write earlier to say that the new BULLETIN is certainly a credit to Messrs. Alling and Dudley. It is more like what we ought to have had sooner. It takes a lot of time and energy to make these changes, but they are worth while after they are made. Congratulations are certainly due to both of you.

*Thomas Leavitt, Past President A. D. S.,
Assinippi, Mass.*

Should like to express my approval of the new BULLETIN. All those connected with the work of producing it should be complimented.

Charlotte W. Schmidt, Jamaica, N. Y.

"May I compliment you on the New BULLETIN. Certainly it is a much improved magazine. I like the size. It looks like something now. Your work and effort have not been wasted."

D. Paul Wickersham, Urbana, Ohio.

"Personally, I think that the BULLETIN in its present form, with its interesting articles on the shows, etc., is wonderful. I believe it will be in bigger demand because it has more style and interest than it ever had. It has class—it is modern—its the real thing."

Albert Parrella, Bronx, N. Y.

A Suggestion to Prevent Seedling Loss

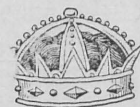
Damping-off soil scientists have found to be caused by germs which live in the soil. The only dependable control is through sterilizing the soil, which heretofore has been a troublesome and expensive operation. Formaldehyde in liquid form has been used successfully but this is difficult to handle.

Now, a new product called Ansul Formaldehyde Dust is used by florists in propagating benches and the sand may be used over and over, treating it each time before setting the cuttings.

The Formaldehyde Dust is spread over the sand and worked in with a rake, using three ounces of Dust per cubic foot of sand. After 24 hours stir the sand and stir again after 48 hours, and after 72 hours set the cuttings. The material is inexpensive and satisfactorily effective. Dahlia cuttings are very susceptible to damping-off and a simple control method will be welcomed by Dahlia growers.

THE DAHLIA SEED SUPREME

California



Gold Crown

"Producer of First Prize Winners; Certificates of Merit at Storrs Trial Grounds; several on Honor Roll"

There Is No Better Dahlia Seed Produced Anywhere In The World Today, (just outside of Los Angeles).

I have given years of experience in **Producing The Best**. You not only benefit by that when purchasing, you also get instructions **The New Way** how to grow my seed and make a success of growing Dahlia Seedlings.

Price always the same—One Dollar per packet.

Send for my list of Seed Parents and Special Groups today. My patrons all over this continent are my best advertising medium. At least two of my patrons not only took Certificates but two of their new Dahlias (being introduced by prominent growers) are on this season's Roll of Honor, and several have written me that they are sending new seedlings to Storrs this year (1933), grown from my "Golden Goblin" seed and other parents.

A. G. GOODACRE

BOX 86

GARDENA, CALIFORNIA

WHY TAKE ANY CHANCE IF YOU WANT TO WIN?

For two years in succession our Dahlias won Sweepstakes in "Open to All" in the shows of the Dahlia Society of Ohio, Inc., and they will win for you.

Send for our list Retail—Wholesale

FRANK'S DAHLIA GARDEN

BEDFORD, OHIO

IT WILL PAY YOU TO SEND FOR OUR
NEW 1933 DAHLIA CATALOGUE

F R E E

HADDONDALE DAHLIA GARDENS

Haddon Heights

New Jersey

IROQUOIS DAHLIA GARDENS

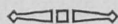
offers the leading varieties of Dahlias at very reasonable prices. Strong field grown roots. I am offering for the first time my new introduction, IROQUOIS FASCINATION. Color is a lemon yellow, a prolific bloomer, on good stems, a very good cut flower. Complete descriptive list will gladly be mailed you on request. Send for it and learn more about my other new introductions of beautiful Dahlias.

JOHN TOTH

P. O. Box 12

Fairfield, Connecticut

1933 Year Book The Fischer Color Chart



All FREE to New Members

of the

New England Gladiolus Society

All of above free to new members sending one dollar (\$1.00) for dues which will pay until December 31, 1933.

These two books of about 400 pages in all have most complete articles on all phases of growing gladiolus and the best varieties to grow. A positive method of growing thrip free blooms is given. Articles from Australia, England, Holland, Germany, Cuba, and description of the fields of many American growers. Many pictures, some in colors. Culture and exhibition. Storage of bulbs and in fact about everything that you could wish to know about gladiolus will be found in these books.

The Color Chart shows 108 colors, tints and shades and uses a simple system of color names that is easily remembered. This chart is largely used at the Boston shows.

SEND ONE DOLLAR

for membership and dues to December 31, 1933, and the 1932 book and the color chart will be sent at once and the 1933 book as soon as it is out in February.

Address: C. W. BROWN, Sec'y

BOX 245 D.

ASHLAND

MASSACHUSETTS

Catalogues Received To Date

We are pleased to mention such "early bird" catalogs as have been received as this January number goes to press:

BALLAY DAHLIA GARDENS, Palo Alto, California. A nicely illustrated book featuring several new introductions for 1933 as well as Satan and Full Moon, two former introductions which have made good.

BURPEE, W. ATLEE & CO., Philadelphia, Pa. This well known firm is mailing out a very finely printed as well as nicely illustrated catalogue. A full line of seeds, plants and bulbs of all description are given. Several pages, as well as a color plate, are devoted to Dahlias.

DELIGHT-U-GARDENS, 5530 E. Michigan St., Indianapolis, Ind. Offers a unique idea in the division of their catalogue into four folders, "How to Grow Big Dahlias," "Garden Aces," "23 Famous Stars," and "Belles of the Garden," with many group choices at low prices. This is a new firm composed of R. C. Swartz, secretary of the Dahlia Society of Indiana, Dr. A. E. White and Dr. W. E. Kennedy.

HILLSIDE DAHLIA GARDENS, 35 East Main St., Gloucester, Mass. A folder containing most of the current winners, many Roll of Honor and Certificate winners.

KEMP'S GARDENS, Little Silver, N. J. Dad Kemp greets us himself holding, what we presume is a huge bloom of White Wonder, on the front of this book. The varieties are divided by colors rather than types, a distinct innovation. He not only features the newest and best Dahlias but a fine list of Gladiolus and Iris. He most graciously uses a portion of the back page in the interest of the A. D. S.

LAUREL DAHLIA GARDENS, Major James B. Eastman, Laurel, Maryland. An 8-page book in which a whole page is devoted to Amelia Earhart, the American Home Sweepstake winner at New York. Fine illustrations are also given of the new La Fiesta and Long Hill.

LEE'S DAHLIA GARDENS, University Place, Route 5, Tacoma, Wash. A most interesting list without illustrations. Also sells Dahlia seeds, Rock plants and Regale lilies.

PREMIER DAHLIA GARDENS, Mr. George H. Swezey, 31 Mertz Ave., Hillside, N. J. A well arranged book with several fine illustrations and some very useful hints on the care of Dahlias. The list includes many of the older stand-bys as well as the newer creations. Mr. Swezey also puts in a good word for the A. D. S.

REDFERN, CURTIS, Lincoln Manor, San Francisco, Calif. A 4-page folder in which Mr. Redfern ventures the opinion that Irish potatoes will be in more demand than Dahlia roots. We do not agree with him, but we do admire the concise and practical form of his price list.

ROSEMARY DAHLIA GARDENS, Eb. Delbrugge & Son, Martins Ferry, Ohio. In this 8-page folder is given a fine selection of outstanding varieties as well as a picture of Patricia Ann with its namesake on the front cover. One-half of the back is devoted to the A. D. S. Many thanks, Mr. Delbrugge.

RUSCHMOHR DAHLIA GARDENS, 52 South Kensington Ave., Rockville Centre, L. I. N. Y. Sixteen pages of fine varieties, and introducing new certificate of merit and Honor Roll Dahlias. Pompons, Collarettes and Miniatures. Also directions for growing, a new feature in their lists.

SCOTT, DR. A. B., Fairmont, W. Va. A modest little booklet in which but 20 varieties are mentioned. These are nearly all of Dr. Scott's origination.

STILLMAN, GEORGE L., Westerly, R. I. A nicely arranged folder in which Mr. Stillman features many of the now popular miniature type as well as a wide selection of singles, mostly of his own originations. In passing we wish to say that Mr. Stillman is one of the real pioneers in the Dahlia business and one of the prime movers in the organization of our society in 1915.

SUCCESS DAHLIA GARDENS, Mr. Charles G. Reed, 171 Ferry St., Lawrence, Mass. These gardens are Eastern representatives for the Ballay Gardens as well as distributors for the well known Broomall creations. The new Margaret E. Broomall is featured very strongly as well as many other new ones from Mr. Broomall. As usual, Mr. Reed gives the A. D. S. a good word.

VERNON FLORAL CO., 3818 June St., Inglewood, Calif. A neat folder featuring miniatures of their own origination as well as Dahlia seed in the various types. This firm is a newcomer in the Dahlia ranks but their list reads as if they were up and coming.

TO BALANCE OUR BUDGET

We are offering our "Nancy Carroll" and "Gov. F. D. Roosevelt" and following collections at less than production prices. These prices are interesting to all "Dahlia Lovers" and even to the "Forgotten Man" who too, can now afford to have \$10.00 Dahlias in his garden for a small cash investment.

In our fields "Nancy Carroll" reigns divinely as **Queen** of all the beautiful and artistic stars of the **Autumn colors** and the "Gov. Franklin D. Roosevelt" acting like a **Chief** on a battlefield to all other **Redmen** of the Dahlia world.

Like their namesakes these Dahlias are winners and leaders. Folks that admire beauty and refinement with greatness will be more than pleased with these Dahlias. Both are on the **Hall of Honor Roll** of the late secretary of the A. D. S., **Mr. William J. Rathgeber**, the man who done so much for the Dahlia and asked so little in return.

BALANCING BUDGET COLLECTION

1 Nancy Carroll, was \$10.00 in 1931
 1 Gov. F. D. Roosevelt, was \$10.00 in 1931 } for \$3.00
 1 Grace, waxy white tinted orchid pink }

"Grace" scored highest of all at trial gardens in 1928 under name of "Spirit of St. Louis." Was originated and introduced by the late "Mr. J. B. Bibb," of St. Louis, Mo., in 1929 at \$10.00 per root and if ever a Dahlia was worth the introduction price for beauty and perfection this is the one.

THE FORGOTTEN MAN'S COLLECTION

1 Gov. F. D. Roosevelt, 1 Pres. Herbert Hoover, and 10 other high priced exhibition varieties of our own selection (cannot state names in this advertisement). This is the biggest bargain ever offered to **Dahlia lovers**. Purchasers will be surprised to note the varieties included in this collection. Guaranteed true to name.

Above collection, total 12 roots, for \$5.00

LONG ISLAND CUTFLOWER COLLECTIONS

6 famous florists' cutflower and exhibition varieties.....\$1.00
 15 famous florists' cutflower and exhibition varieties..... 2.00
 25 famous florists' cutflower and exhibition varieties..... 3.00

SUNRISE TRAIL CUTFLOWER COLLECTION

100 roots, 4 each of 25 large cutflower varieties.....\$10.00

Varities selected are best we know for roadside auto trade.

Note. All these collections are made up during slack winter months and strictly of our own selection and cannot be altered. 1933 economy retail price list on request. Wholesale trade list mailed on request of **legitimate Dahlia specialists only**. Collections supplied only in **strong, healthy roots (no plants)**. Shipment by express. Extras will be added to help defray express charges. For parcel post include **additional 25%** of order in remittance.

When shipping charges are less than amount remitted for parcel post the difference will be cheerfully refunded.

LOCUST VALLEY DAHLIA FARM

Wm. A. Finger, Jr., Mgr.

COLD SPRING HARBOR, L. I., N. Y.

Join the every member get a member club. Dues paid free for one year for the member sending in the most new members before the April BULLETIN.

It is now planned to issue the April number early—if advertisers will get their copy in ahead of the usual last minute. If it is published around April first it will bring more orders. Will you co-operate?

Is your advertisement in this issue, Mr. Commercial Grower? This improved BULLETIN is pulling replies faster than ever before so say regular advertisers.

Tell your friends about the new A. D. S. BULLETIN. Show it to them. Ask them to join. A membership application will be found below.

Mrs. Mabel Rathgeber, Treasurer A. D. S.
 196 Norton St., New Haven, Conn.

Date.....

PLEASE SEND A. D. S. BULLETIN, BEGINNING WITH THIS ISSUE

To.....

City.....

Enclosed find \$2.00.

State.....



WHY TAKE CHANCES!

BUY DAHLIA SEED WITH A REPUTATION

BEE

WISE—Buy the best seed—hybridized by the bees.

SURE—Be sure that your seed is obtained from parents that are winners.

SAFE—Purchase seed that has been ripened on plant.

THRIFTY—Buy seed that has proven its merit.

This seed—California grown and crossed by bees—broke all records for 1931 and 1932. Among other honors it has won 6 Achievement Medals, 8 Certificates at Trial Grounds, 6 Medals, 3 Cups, 24 First Prizes, and over \$200 in cash.

Has won prizes for others—can win prizes for you!

Pedigreed. Hand picked from selected flowers. Pods ripened on plants. You can buy cheaper seed, we doubt if you can purchase better. We can supply seed from varieties listed below, with the name of seed bearing parent on package or in mixture.

XXXX CALIFORNIA GROWN SEED XXXX

American Legion	Chemar's Eureka	American Triumph	Carl Bonowitz
Andreas Erickson	June Justice	D. W. Morrow	Dorothy Stone
Achievement	Jim Moore	Jean Aron	Conquisidor
Clair DeLune	Jersey's Glory	El Rey	

The above seed can be had in mixture only—50 seeds \$6; 100 seeds \$10

XXX CALIFORNIA GROWN SEED XXX

Mrs. Alfred B. Seal	Eagle Rock Wonder	Kathleen Norris	Eliza London Shepard
Thomas Edison	Supreme Glory	Waldheim Sunshine	Monmouth Champion
Eagle Rock Fantasy	King Midas	Fort Monmouth	D. D. Morrow

50 seeds \$5; 100 seeds \$8; In mixture: 50 seeds \$4.50; 100 seeds \$8

XX CALIFORNIA GROWN SEED XX

Donna California	Barbara Redfern	Jersey's Beacon	Elkridge
Treasure Island	Watchung Sunrise	Jersey's Empress	I. de Ver Warner
Nature's Masterpiece	Jersey's Beauty	Queen of Garden	Marmion

50 seeds \$3; 100 seeds \$5; In mixture: 50 seeds \$3; 100 seeds \$5

To avoid disappointment order at once as seed from some varieties is limited. Full instructions for growing on each package.

Our catalogue listing the best in Seed, Roots and Plants, ready in January, is yours for the asking.

CHEMAR DAHLIA GARDENS, Oyster Bay, N. Y.

AMELIA EARHART

CORDES-EASTMAN



The champion exhibition Dahlia of the year and the greatest first year prize winner of all time. This great three-year-old seedling was shown during the past season in every major Dahlia show on the Atlantic coast and not only won the seedling classes but defeated the best of the named varieties in the Semi-Cactus and largest flower classes.

The featured Dahlia of the year in Dr. Derrill W. Hart's Honor Roll in the American Home Magazine and acclaimed by the press throughout the country for its great show record.

Named by special permission of the greatest aviatrix.

Semi-Cactus, Coral with slight touch of primrose at base of petals. Size 13 x 8. Strong sturdy plant and very prolific with flowers holding their size throughout the season. Long strong stems holding the flower facing.

1932 Show Record

American Home Sweepstakes at New York for best seedling.
Trenton Horticultural medal for best seedling shown in New York Show.
First prize for best Semi-Cactus seedling at New York.
First prize for best Semi-cactus seedling at Atlantic City.
Pennsylvania Horticultural medal for best seedling at Bryn Mawr.
American Home Achievement medal for best seedling at Baltimore.
First for best Semi-Cactus seedling at Baltimore.

First for largest and best flower in show at Baltimore.
First for largest and best flower in show at Washington, D. C.
First for best seedling at Washington, D. C.
First for best seedling at Richmond, Va.
First for best Semi-Cactus, open to all at Camden, N. J.
First for best Semi-Cactus seedling at Los Angeles.
First for best bloom in show at Pomona, California.
A total of 14 first prizes in nine shows and some of these flowers were carried for 240 miles.

Root \$15.00

Plant \$7.50

LA FIESTA

CORDES-EASTMAN

Another Honor Roll Dahlia and classed by Mr. Hart as one of the season's outstanding winners and probably the most distinctive of the new Dahlias in actual form. An Informal Decorative of butter yellow penciled red. Size 12 x 8. Huge flower with a mass of lacy petals that curl and twist so that the flower looks like a huge chrysanthemum. Strong sturdy grower that needs no forcing for size. A true variegated Dahlia that should prove a great winner in the Variegated, Informal Decorative and largest bloom classes.

1932 Show Record

First for best Inf. Dec. Seedling at New York.
First for best seedling at Camden winning over 26 entries.
First for best variegated variety at Los Angeles.

First in 1931 for largest and best flower in the show at Los Angeles.
First for best single bloom of seedling at Richmond.

Root \$10.00

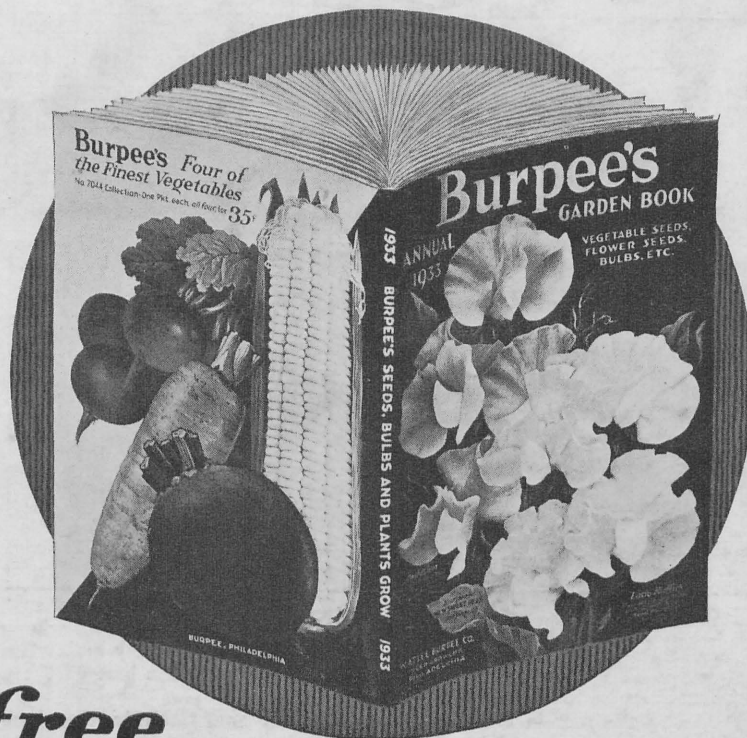
Plant \$5.00

Catalogue giving full description of these and other new introductions is now ready and will be sent upon request. Stock is limited and an early order is advised.

Roots of these two Dahlias can be secured only from

J. F. CORDES and
SANTA MONICA, CALIFORNIA

MAJ. JAMES B. EASTMAN
LAUREL, MARYLAND



free Burpee's Garden Book

The vegetables and flowers you would like to see growing in your garden—read all about them in Burpee's 1933 Garden Book. It's free. Write for your copy today. It is a complete garden guide describing all the best flowers and vegetables with full descriptions of thousands of varieties including 152 NEW varieties. Hundreds of illustrations, many in natural colors. Reliable information and expert advice on all matters of gardening. Luther Burbank wrote us: "Your catalog is a gem. I always refer anyone asking for seeds to your firm as I consider your house the most reliable seed house in the world and I think that would be the verdict of the public at large."

For greatest success in your garden depend upon Burpee's guaranteed seeds—tested at our famous Fordhook Farms—known for 58 years as the best that grow. Prices are lower than ever.

Write today for your free copy of Burpee's 1933 Garden Book.

W. ATLEE BURPEE CO.
191 BURPEE BLDG. PHILADELPHIA

