

The BULLETIN of the AMERICAN DAHLIA SOCIETY



TRIAL GROUND
FIELD DAY GROUP
*Left to right—Prof. Ro-
land H. Patch, Charles
Reed, Blanche Haley,
George Fraser, Warren
Maytrott, Mabel Rath-
geber, Treasurer and
C. Louis Alling, Secretary.*

Of More Than Passing Interest

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Issue of February, 1934 - - First Quarter

DAHLIADEL

1934 Introductions

BUTTERCUP (Dahliadel 86), Bloom 4", Bush 2 ft. A fine addition to the orchid Dahlia family, ideal for garden or landscape, bush is a healthy grower, low branching, and filled with perfectly formed, graceful flowers from early in July until frost. Stems strong and erect, flowers will keep for days when used in arrangements for which they are very artistic and dainty. Color, light buttercup or deep lemon yellow. **Plants, \$1.00**

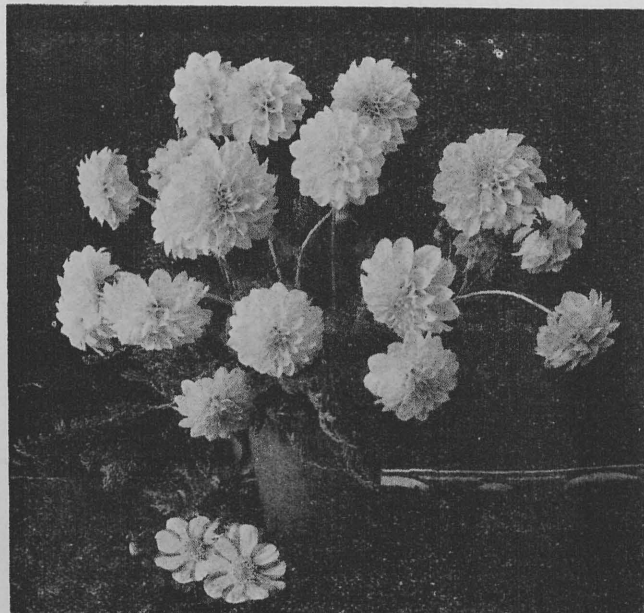
JEAN, NO. 334, (Dahliadel 85), c g e, Bloom 3½ x 2, Bush 3½ ft. One of the most artistic little informal decorative or semi-cactus Dahlias we have ever grown. Color, apricot buff, suffused soft lilac rose. Bush strong, compact grower. A beautiful Dahlia, similar to the larger flowered variety, California Beauty. Free, early bloomer, and very satisfactory. You can cut bouquets from one bush two or three times a week from the middle of August until frost. **Plants, \$1.00**

CARLA, NO. 321, (Dahliadel 86), c g e, Bloom 4 x 2, Bush 4 ft. Color buff, heavily shaded old rose and suffused violet rose, a rich contrast to the dark green foliage. The bush growth is compact, making a beautiful background for the perfectly formed, full center miniature semi-cactus flowers. Blooms seem to jet out all over the plant. Ideal in the garden and for arrangements. A great favorite. This Dahlia will grow about 5" if disbudded and fed. **Plants, \$1.00**

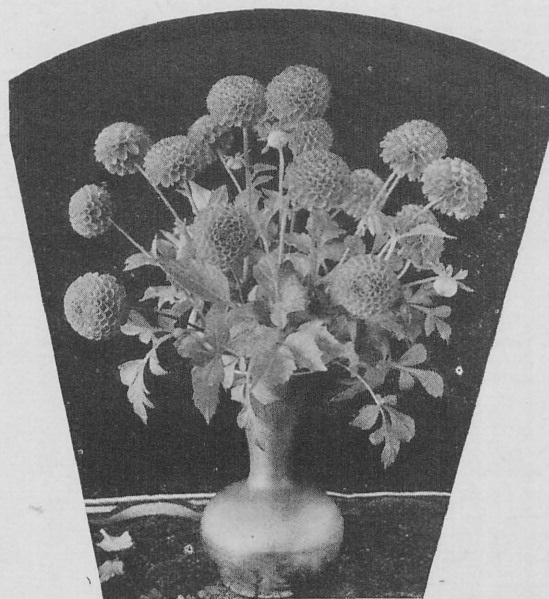
BABY BUNTING, NO. 310, (Dahliadel 85), c g e, Bloom 4 x 2, Bush 4½ ft. A combination of violet rose shading to golden yellow at base of petals. Flowers are very artistic with pointed, wavy petals, holding a full center most of the season. Colorful in the garden and fine for cutting. **Plants, \$1.00**

JACK, NO. 331, (Dahliadel 89), 1934, c g e, Bloom 1½ x 1¼, Bush 1½ ft. Color, purple garnet. Won first in the Seedling Class New York, 1933. Compact, low-growing, symmetrical bush of dark green, supplying tone and richness among light flowers. Blooms perfectly formed throughout the season, and an incessant bloomer. Reminds one of Johnny but has a better bush and stronger stems. **Plants, \$1.00**

JILL, NO. 332, (Dahliadel 88), 1934, c g e, Bloom 1½ x 1, Bush 1½ ft. Color, lemon yellow margined carmine. A bright, colorful variety that is a suitable garden com-



MINIATURES



JACK - Dahliadel

panion for Jack. Blooms small and uniform. Bush also dwarf, suitable for landscape effect and borders, although the stems are plenty long enough for cutting and arrangements. Excellent for exhibition as it won first in Camden, even over Jack, although it was a toss-up in a hot seedling class. **Plants, \$1.00**

MINIATURE FORMAL DECORATIVES

BABY BEAUTY, NO. 342, (Dahliadel 87), c g e, Bloom 3½ x 2, Bush 5½ ft. As the name implies, this is a small Jersey's Beauty on strong, erect stems, possessing all the good qualities of the variety it so closely resembles with better branching habits. Color, violet rose, shaded bright rose pink. This Dahlia will make a hit in any flower shop. **Plants, \$1.00**

KENTUCKY BABE, NO. 345, (Dahliadel 87), c g e, Bloom 3 x 2, Bush 5½ ft. The resemblance of this Dahlia to Kentucky prompted the name. One of the best of our miniatures, and its wonderful commercial qualities already assure its popularity and desirability for home use as a cut flower. Color, salmon suffused and edged old rose. **Plants, \$1.00**

OUR 1934 CATALOGUE

This advertisement will give you an idea of Dahliadel's new catalogue, although only small Dahlias are shown. There are 38 more pages in which the largest, newest and most popular Dahlias will be found, 6 pages of cultural instructions, besides special features such as news, color and type classifications, and climatic recommendations. Every A. D. S. member should have a copy of this wonderful book on Potash Fed Dahlias which is sent to our customers and is free on request.

DAHLIADEL NURSERIES

Warren W. Maytrott Vineland, N. J.
BOX 14

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The A. D. S. BULLETIN Contents for February, 1934

SERIES X, No. 67

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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.

Editor - - - - - LYNN B. DUDLEY
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251 Court Street, West Haven, Conn.



DAHLIAS

Vanquished by the threat of night
Spreading wild wings the day takes flight,
Pledging the armies of the light
Not to surrender;
And in our westering world appear
Dahlias, the sunset of the year,
Kindling the misty atmosphere
To sudden splendor.

Soon will the summer leaves be tossed
Where summer's memories are lost,
And, bound in iron bands of frost,
The earth will harden;
But in this final hour there gleam
Banners of glory, to redeem
The lingering hostages of dream
In summer's garden.

Not only do our eyes behold
Their pageantry of red and gold
Now when the twilight shudders cold
With fears unspoken;
But shining centuries to rout
The hazes of autumnal doubt
While proudly summer marches out,
Her ranks unbroken.

Recessional in robes of power,
A sunset folded in a flower
When first the grey horizons lower
With sullen warning,
They are the pledge of springs to be
After the snow; a prophesy
To rive the bonds of night, and free
Another morning.

By Robert Hillyer

The above poem was the prize winner in a competition staged a few years ago by the American Home and sponsored by our own Vice-President, Mrs. Charles Stout. It is reprinted at her suggestion. We will publish the other prize winners in later issues of the BULLETIN. Have you a Dahlia poem?—THE EDITOR.

Derrill Hart, President, A. D. S.

Gives Views and Interviews

To the Members of the American Dahlia Society:

Greeting:

Frankly, I realize that in assuming the presidency of the American Dahlia Society I have taken an office that is rich in honor, prestige and tradition. I have known every president of the Society, starting with Mr. Richard Vincent, Jr., and just as in the case of Mr. Vincent, it has been a rare privilege to cooperate with these men whom I think of more as good friends than as Dahlia growers.

First of all, I would like very much to continue the policy of expansion of the Society's activities as begun so ably by our retiring president, Mr. Warren W. May-



Derrill Hart, President American Dahlia Society

trott. I would like to see the Society double its membership during the coming year. This is I believe possible and would be a mathematical certainty if every member at the present time secured one new member. The greatest service that the American Dahlia Society can render to Dahlia growers is I believe the publication of the American Dahlia Society BULLETIN. Under the editorship of Mr. Dudley the BULLETIN has become not only an attractive and instructive magazine to Dahlia lovers but of interest to gardeners in general. Unless we increase our membership we are handicapped in what we can do with the BULLETIN. This BULLETIN is far more important than any single show or group of shows. It is the string that ties all Dahlia growers together and I am sure it is the wish of every member of the Society to see this BULLETIN become more and more interesting and helpful.

The Society is national in character. It is perfectly true that insolong as the New York show is counted as the official show of the Society a certain part of the official family will have to be close to New York. But a glance at the officers of the Society this year will certainly show its nationwide character. I would like to see active state societies in all 48 states, with every member a member of the American Dahlia Society, not only to encourage and further the Dahlia in that state but to be an active part of the national society.

During the past year the American Dahlia Society has recognized officially the new trial grounds at the Michigan Agricultural College at East Lansing, Michigan. This, of course, opens up an entirely new avenue of activity insofar as the testing of new Dahlias is concerned. I would like to see five to seven trial grounds operated and organized as at Storrs and East Lansing. Then I would feel that a Dahlia could be tested in all of these Trial Grounds, and many headaches on the part of the sellers and buyers of Dahlias could be prevented. Naturally, I have no definite choice of location for these trial grounds but certainly they should be chosen very carefully geographically so that a definite and different kind of test, insofar as soil and weather conditions are concerned, could be given new varieties. I am not a commercial grower but if I were I should welcome the opportunity to have my new Dahlias tested in all of these trial grounds, and unless the variety performed creditably at all of these trial grounds I would not introduce it. No longer does any one section of the country have a monopoly or even a definite lead in producing new Dahlias. The reports from the trial grounds at Storrs in recent years prove this point conclusively.

It may seem like a bold statement to say that the Dahlia increased in popularity during the past year faster than at any time in ten years. However, this is my sincere belief and for those who are commercially minded the surface has just been scratched. Most of this recent increase and interest occurred in the Midwest and the South. More power to these sections and to their Dahlia growers. And right here I would like to encourage more good new varieties in the cactus and semi-cactus classes.

Greeting by President Hart—Continued

The American Dahlia Society is in better condition today than it has been at any time in recent years. The depression has taken people into the garden and not out of it. If we can develop our membership, we can achieve some goals which are not possible under the present membership. If I can convey no other point in this message, I would like to emphasize the need for expansion by securing a larger membership.

I wish I could meet every Dahlia grower in America, attend every Dahlia show and see every new variety. That is impossible but I can extend to every member of the Society my best wishes for a good season ahead.

Derrill Hart, President.

• • •

Some Facts About President Hart

By the Editor

It gives one a foolish feeling to go to an old and dear friend and say, "I need the story of your life for publication." You have always thought you knew everything there was to know about him. Of course, his feelings under the circumstances must be odd too, but the cold, professional attitude of an interviewer just can't take such trifling things as a friend's feelings into account.

We did omit asking his name but we went down through the whole list of pertinent questions with the continued risk of being thought extremely impertinent. Anyway, members of the A. D. S., here is the story of the career of Derrill W. Hart, your new president.

He began life in Kentucky about forty years ago. (That was as near as we could fix dates.) His early life was spent on a farm and his rugged physique today can undoubtedly be traced to the intensive cultivation of the special Hart variety of Kentucky burley tobacco. He entered the University of Kentucky at Lexington where he graduated four years later. After distinguishing himself scholastically and athletically, he considered that his work as a raiser of "chawing tobaccy" (the cigarette business, in those years, was in its infancy) had passed its zenith so he turned to school teaching which pursuit lasted four years. He also coached in athletics, particularly football and basketball as a relief from textbook larnin'.

In 1916 the call to arms came and he enlisted as an apprentice seaman. Just why such an out and out landsman from the hinterland took to the sea could not be drawn out by your interviewer—but go to sea he did. And for two years he plowed the waves and emerged from the embroglio commissioned as an ensign.

Returning he repressed a desire to become a concert singer and went to work for Doubleday Page Company on the staff of the Garden Magazine, which publication was later changed to be known as the American Home. He also saw his firm's name changed to Doubleday Doran Company. From 1919 to 1934 he labored among horticultural topics and firms. Many worth while friendships were made by Mr. Hart during this period of his career. He had a natural love for flowers and at some point here he became interested in Dahlias. If he knew the date he saw the first one—your interviewer couldn't ascertain it.

At any rate it was about 1921 when the first idea for a Dahlia Honor Roll presented itself to him. Not at first did it take concrete form but as it developed that some set of standards was needed to list the better varieties of Dahlias, Mr. Hart evolved a plan to create each year a list of new Dahlias, and this he has done every year since, up to 1934. And in justice to him, we can say that the Honor Roll for 1934 as Mr. Hart prepared it was not published in the American Home Magazine.

Early in 1934 he left Doubleday Doran Company and is now with the New York Sun working on the Saturday Garden Page.

In December he was married to Rita Allaine D'Alezé, a most charming young lady who is a native of Anjers, France.

He is much sought after as a judge not only for Dahlias but also other garden flowers. He also fills as many speaking engagements at Garden Clubs and other Horticultural Meetings as his time will permit.

The American Dahlia Society is fortunate indeed to have as its president one who has given, preferably, so much time and effort to the advancement of horticulture in general and the Dahlia in particular. He has a host of friends—and every one is a booster for him. There is a sincerity and frankness about him which is irresistible and endears him to all who know this new president of ours.

• • •

A GARDEN IS NAMED FOR PRES. HART



This Garden at the University of Kentucky, at Lexington, is a tribute to President Hart's interest in flowers and men. See the story about this garden on next page.

DAHLIAS as an Adjunct to EDUCATION



Again Proving that the Dahlia can be Something Greater than a Mere Flower—Something Finer than a Hobby

By F. Paul Anderson, Dean of Engineering,
University of Kentucky

At Left: Dean Anderson, who wants his "Boys" to appreciate beauty.

Foreword by the Editor

It is the purpose of the A. D. S. BULLETIN to discover and relate the story of the Dahlia and what it adds to the sum total of human enjoyment.

One day last summer we were invited to have lunch with Derrill Hart to meet one of America's outstanding engineering educators from Kentucky. The lunch was a most enjoyable one but more than the food, was the story unfolded there. The gentlemen from Kentucky was F. Paul Anderson, Dean of Engineering, University of Kentucky. This school was Mr. Hart's alma mater, and though he had never been in Dean Anderson's classes, there had been built up in his four years sojourn in Lexington one of those lasting friendships which sometimes happens between a preceptor and student.

An amazing story was unfolded that day—which put the Dahlia in a new niche in the hall of fame. Dahlias as builders of character—Dahlias as help to students to know how to live—Dahlias as a contributor to the beautification of design—Dahlias as a maker of men.

Dean Anderson went to Purdue University at Lafayette, Indiana. In school at the same time with him were many other men who have since made their marks in the world. George Bar McCutcheon, the author, John McCutcheon, the cartoonist, George Ade, the humorist, James Studebaker, automobile builder, President Richards of Lehigh University, and many others.

This group of men of ability being often thrown together talked frequently of life—and its meanings, its objectives. In talking with Dean Anderson we formed the idea that he early began to look behind appearances into causes and effects. Into character and lives in the making.

Then came the story of a Dahlia garden as a part of the engineering school at the University of Kentucky. "Why did you choose Dahlias as a means of teaching the enduring values of life?" we asked. "The Dahlia has been spectacular in its improvement and development, the past few years," he replied. "My boys soon find that I am more interested in them as men than as engineers. And if I find that a student gets enough interested in Dahlias to send some to his mother, then I know that that boy has the basis for an appreciation of life through contact with the beautiful in nature, so that, other things being equal, he can become a good designer of a machine or a structure. And his work isn't likely to be ugly, either."

And so the following story of the use of the "Derrill Hart Dahlia Garden" as a Maker of Men was discovered. And we found that Dean Anderson had proven his theories. And he would tell of them. Here is his story and we submit it with the knowledge that it is an amazing narrative—and most interesting. The Dahlia again becomes something greater than a flower—something finer than a hobby.

Another Floriculture Influence

By Dean Anderson

In the University of Kentucky there has existed for forty-two years a notable College of Engineering. This College has three objectives:

1. To create the habit of work.
2. To stimulate straight thinking.
3. To give to the embryo engineer an appreciation of life.

The third objective is the most important. Through books, lectures on the aesthetic and cultural, and trips

to beautiful places the young engineer leaves college with a glorified appreciation of his very existence and an understanding that the purpose of the engineer is not to make a living but to know how to live.

About the engineering buildings at the University of Kentucky there have been developed rock gardens, rose gardens, and many plantings of beautiful shrubs and trees. All the trees have been marked with permanent iron tablets bearing their scientific names.



THE DERRILL HART GARDEN "STIMULATES AN APPRECIATION OF THE BEAUTIFUL"

Growers all over the country have sent their New Dahlias to this Beautiful Garden and by so doing have helped many of Dean Anderson's "Boys" to become better students and to know that beauty of design can be born in a Dahlia Garden

As the student engineer reclines on the beautiful green turf or follows his obligation of the day in study seated on a stone bench, or as he strolls amid the trees and shrubs and flowers he learns to appreciate the beauty of plant life.

One of the most beautiful settings about the College of Engineering is the Derrill W. Hart Dahlia Garden.



The man who is responsible for the perfection of growth of the Dahlias at the University of Kentucky, Gardener Peck.

The enclosure is a beautiful and substantial fence covered with a glorious collection of climbing roses. An iron arch gateway carrying the words "Derrill W. Hart Dahlia Garden" forms the entrance. There is sufficient space in this garden for one hundred and forty of the most beautiful and latest specimens of the Dahlia growers' art. The public is not allowed to enter this garden except on special occasions for the Dahlias can be seen from the outside. Any student, however, who wishes to inspect the garden, or some particular specimen, is given the key to the iron gate and he may enter the garden and revel to his heart's content in the beauty of the Dahlias.

The Dahlia garden has been of untold value in stimulating an appreciation of this beautiful flower which has submitted to such fantastic improvement and development in the past few years. There have been numerous cases where the engineering student would secure all available information to send to his home so his mother might have an opportunity to express herself in the growing of Dahlias. Just this spring the sophomores, who saw the garden last fall, asked the gardener in charge of the Derrill W. Hart Dahlia Garden to give the class a lecture at their Assembly (which is an hour set aside each week for discussing things of a non-technical nature) on the subject of Dahlia culture. This was a very surprising request coming from young students who might be assumed to be interested in only scientific and technical matters. This one instance demonstrates beyond all question the value of environment in the student engineer's life. Enduring values of life are created even in the routine duties of the day. The influence on youth of floral beauty brought to it in a perfectly incidental way while youth is pursuing what it may think to be the main purpose in life, is a good influence. As these men get into the serious work of their profession they are apt to turn for comfort and satisfaction to the happiness that is certain to come to them through the cultivation of flowers and the making of gardens.

There is another subtle influence which we think we have detected: namely, the improvement of taste in the design of machinery through contact with the lovely lines of beauty that a flower like the Dahlia possesses. The engineer of tomorrow is the man who combines utility with beauty. There is no need of any structure or machinery being ugly. How will the engineer create in his heart a love of the beautiful except through contact with beautiful objects and there is, in our opinion, no plant or flower which give to appreciative eyes more loveliness and glory and color than does the Dahlia. This may be a fantasy of imagination but we have a very definite feeling that the Dahlia has contributed very definitely through its exquisite loveliness to the enlarging of the soul of the engineer as he is trained at the University of Kentucky.



DEAN F. PAUL ANDERSON

Among the Beautiful Dahlias in the Garden which he named after a life-long friend, Our President Hart, and which he declares has already, in two years, made a tremendous impression on the young men students there who will help to build the America of tomorrow.

FIELD DAY AT STORRS

Sixth Annual Event Held September 9

Brought Out Good Crowd

The annual field day last Fall was well attended and the interest was characteristic of these events. Lunch was served to the guests at 12:30 in the dining hall and at 1:30 visitors assembled in Gulley Hall where a most instructive and interesting program was presented.

Professor Patch introduced Professor Sherman P. Hollister, head of the Department of Horticulture of the College, who welcomed the Dahlia enthusiasts as follows:

Professor Hollister:

This is, I believe, the sixth Dahlia Field Day, and the fourteenth year, that the Trial Garden has been running, which would indicate, that as a coöperative enterprise, the trial garden is a success. You growers furnish the stock and a certain amount of money, which the college uses, to provide a fertile plot of ground upon which, the Dahlia plants are grown, under the direction of Professor Patch and his helpers. Many of you have continued to send your new creations year after year, where they are grown by impartial people and, on neutral ground. It's not unlike your sons and daughters who come here for study, they must attain a certain standard, and so must your Dahlias, if they are to receive a certificate of merit. We might wish that more of your new creations could, and would, measure up to the high standards which you yourselves have set, as being necessary to the healthy development of your Dahlia program. Some of your new varieties start out well, and, under your conditions, are very promising, but when they are brought here and raised under our conditions, they fail to attain the passing mark. In like manner some of our children should not be encouraged to attend college, they can develop into valuable citizens in the home town, but, if they should come here, they would have failed, and such a failure might have blighted their usefulness at home. So if some of your creations do not attain the coveted award, this does not mean that you cannot grow them for your own pleasure at home, but it does mean, that you should not allow an inferior variety to get out into the regular trade.

The achievement test which your new varieties must pass, marks them as being superior, to the average run of Dahlias, and certifies, that they should be adapted to the rigors of general culture and further, that they should not prove disappointing to the general public. In other words, a Dahlia variety, which is granted a certificate by your judges, implies, that it is a variety of superior merit, and has the backing of the American Dahlia Society.

I congratulate you, as a society, that you have, through your committees, formulated a standard which is so hard to attain, it shows that you as growers, and creators of new varieties, realize, that there are too many inferior varieties and that in the future, only those of very high merit are to be encouraged.

It is a great satisfaction to me to welcome those interested in Dahlia growing. Please feel that the college facilities are yours, visit the several departments, if there is something in which you are particularly interested, let us help you. I call your attention to the State Archery contest which is also occurring here today. In



SIXTH ANNUAL FIELD DAY AT STORRS, TRIAL GROUNDS

Was well attended and they were rewarded with a splendid program and a display of blooms of varieties on test which was said by many to be the finest they had seen for several seasons. The attendance was nearly 100.

conclusion, I extend to you our hospitality and welcome you to the Connecticut State College.

Professor Patch then introduced W. F. Morgan, agronomist of the college, with the subject: "Soil Fertilizer Experiments With Dahlias at Storrs."

Prof. Morgan: Fertilizing Dahlias is mostly a hit and miss proposition. Too many growers fertilize without due study of the needs of their plants. In frequent instances too much stress is laid on nitrogen and forcing nature to produce more than nature intended. Bone meal is one kind of fertilizer which is safe to use. It cannot do any harm and it may accomplish some good. Potash, or wood ashes also can be and is usually beneficial in most localities and soils. Nitrogen, however, should be used sparingly. One teaspoonful in a gallon of water applied not too frequently and not directly in contact with plant or roots will strengthen starved plants or increase size of blooms late in season, after buds have set. If applied too often or except in manner stated, it will damage both plants and roots.

Broadcasting fertilizer is safer but some fertilizer may be applied to hills if thoroughly mixed with soil. When a plant is starved for food whole plant has appearance of a mosaic damaged plant. Leaves will be yellow, and even stems will look sallow. Nitrogen properly applied to such plants will deepen the color. But an over-supply will retard growth.

Phosphorus, if given too freely, will stunt early root formation. But it gives plant vigor to start its growth. Also tends to increase ratio of blooms to a plant.

Potassium. Its function is to increase the sugar and starch formation in Dahlia roots. Also it gives stiffness to stalk and sturdiness to plant. It also tends to increase the resistance to rust and wilt. But if used too freely it also tends to stunt.

Perhaps it would be interesting to see just what a year's crop of Dahlias removes from your garden. By experiment and test it has been found that the following foods are taken from one acre per year by the usual Dahlia planting.

Nitrogen—100 pounds.

Phosphorus—30 pounds.

Potassium—150 pounds.

If we tried to put back each year all that is removed by the crop, there would be too much free fertilizer in the soil. The right way to accomplish the proper return without "filling up" the soil too heavily—is to put in cover crops to return part of that depletion. One of the best cover crops is a rye planting in fall before the Dahlias are dug for storage. Oats and barley are also good. One thing to remember regarding cover crops is not to let it get too high before turning in. It should not be over four inches high. If it is six or eight inches it creates too much organic material in a season. A cover crop also protects soil from leaching.

Professor J. A. Mantor, entomologist at Connecticut State College, was introduced by Professor Patch and his subject: "The Methods of Control of Insects Attacking the Dahlias." Professor Mantor says he has been trying to get a line on Dahlia pests to learn their habits and suggestions for control so he has written to various State entomologists to find out what their Dahlia pests are and what their control suggestions are. Has received many varying replies so sums up the whole situation as experimental work. They have not gotten around to studying or publishing the insect pests of flowers as so much studying to do regarding the fruit and vegetable pests, which is being done first. However, one entomologist replied only two insects causing much damage to Dahlias while another sent in a list of over twenty insect pests of Dahlias in that particular State, so there is a great varying of opinions and great difference of information available in the different States about Dahlia pests.

Professor Mantor says he has been at Storrs a long time and saw the beginning of the Trial Gardens and watched flowers and plants and can say that the insect and disease problem is going to be of more importance, it is more important today than at the start. Insects are changing their habits and more and more are attacking

the plants we are raising and providing food for them. Insects will turn to plants which are available in large numbers and we will have to do more in the way of insect and disease control, but does not believe Dahlia growers will get scared out of their hobby by the pests. In the past we did not have to use insecticides on beans, but now we must and that will be true of the Dahlia in the way of controlling the pests.

The following illustrations were gone into showing what pests attack the Dahlia and where they work on the plant:

BELOW GROUND—STARTING POINT OF THE DAHLIA WHITE GRUBS—WIRE WORMS

The white grubs are fat white coiled grubs, while the wire worm is very different it being about as large as a small nail, very tough and hard. For the control of these pests suggest when plowing if many are found to plant Dahlias somewhere else; they are easily seen and unwise to put any Dahlias in ground infested with grubs. Grubs are more numerous on freshly plowed ground. The cut worm is quite different as it is the ordinary caterpillar, while wire worm is much more slender. Fall plowing will kill and destroy some of the pests, not wholly, of course.

CUT WORM—GRASSHOPPER

Modern method of control, poison bait method, mixing of various things, sometimes bran with paris green and molasses or syrup, should be applied late in afternoon or early evening as cut worms feed at night. Should be spread thinly over ground before planting or setting out plants so as to clear up cut worms. Birds will not be poisoned if mixture is thinly spread. Fall plowing will also help against cut worm, not sure cure by any means. Another way to clean up is by inspection. If in the morning you find 95 instead of 100 plants inspect around missing plants, usually find cut worm coiled up just below surface of ground of plant it has been feeding on. Dispose of them immediately. By putting a collar around plants is a very good way as cut worms will not crawl over. As the Dahlia is a late flowering plant suggested planting late as by middle of June most all cut worm worry is over, many of us probably plant sooner than necessary. Late May or early June very good planting time and that will also help the spreading of the pest; does not believe spraying plants with arsenate of lead will help much; of course if worm eats it it will kill it, but the cut worm attacks the stem and not the leaf, but when putting out plants in spring if they were covered with it it would kill the worm.

STALKS OF PLANTS

STALK BORER—CORN BORER AND EUROPEAN HORNET

The two borers work inside of plant, make tunnels inside of Dahlia. The stalk borer is one we have had for a long time and is a native pest; many people when they find the corn borer think they have the European hornet, but they are very different. When Dahlia is attacked by corn borer the Dahlia starts wilting and by inspection would probably find hole in the stalk. Many ways of handling this, some people use picture wire and make a loop or hook in it and then stick the wire up or down the tunnel in the stalk and kill it, while other slit lengthwise of stalk and locate and kill borer, but then too the plant might also be destroyed. It is possible but many injure the plant. These pests live part of the year on grass and weeds around gardens and move about until they find Dahlia plants and then it is perfect feeding for them; suggest cleaning up grass and weeds around gardens to destroy some of them, at least. After locating

tunnel inject something such as carbon dioxide or nicotine sulphate with a medicine dropper or oil can. Another entomologist says the corn borer is here to stay and we might just as well get used to living with it. Experiments are being made by the Government Experimental Station on the corn borer at this time, but yet too early to make any recommendations or publish any pamphlets in regard to corn borer on Dahlia, but those interested can get it later this winter. Two generations of corn borer in this section, first generation would work on sweet corn and then move over to Dahlia and would suggest cleaning up all early corn as soon as ears are harvested to protect the Dahlia. The European hornet is the largest hornet we have and is a new pest. Effect on Dahlias, scrapes the surface from stalks for material to build nest.

FOLIAGE AND BUD INJURIES

TARNISHED PLANT BUG, THRIP, APHIDS AND LEAF HOPPER

These are all classed as sucking insects, as they suck the juice from the plants for feeding. Suggest that control for these sucking insects, contact spray, contact, because it must come in contact with the insects to kill them. Two good groups, first nicotine group and second pyrethrum group. These are the insects that have been accused of stunting Dahlias. The work of each one of them will cause distortion more or less of stunting growth. Whether they cause all of the different kinds of stunts is questionable.

INSECTS ATTACKING FLOWERS DIRECTLY

BLISTER BEETLE—SPOTTED CUCUMBER BEETLE (SOME SECTIONS THIS IS NOT COMMON WHILE IN OTHERS IT IS)—GRASSHOPPER

The tarnished plant bug is the most common pest on vegetables and flowers. Leaf hopper especially common in some other crops not peculiar to Dahlias. We may clean up one week and have a new crop the next week of leaf hopper and tarnished plant beetle. Weather conditions also make it impossible sometimes. The Japanese beetle feeds on foliage, fruit and vegetables, two colors, green and black and also has white spots along side of wing covers, about one-half inch in size and there is no other insect like it.

Professor Patch then introduced Warren Maytrott, President of the A. D. S., who spoke in behalf of the Association stating he was sure the Society appreciated the cooperation from the college and staff, especially Professor Patch in taking care of the Dahlia work. We have a committee known as Trial Gardens Committee who work along with Professor Patch. In behalf of the Society also thanked Professor Morgan and Professor Mantor for their talks stating we had learned a lot from their talks and illustrations. Stated that the A. D. S. BULLETIN greatly improved by Mr. Dudley and invited anyone that was not already a member to join and get the benefits of the Society and the BULLETIN as the BULLETIN alone well worth the price of membership fee. Also invited those present to attend the Annual Flower Show in New York on September 21st and 22nd, at the Hotel Pennsylvania.

You will find it worth while to patronize BULLETIN advertisers. Please tell them you saw their advertisement herein.

Report of the Trial Grounds at State College, Storrs, Conn.—Year, 1933

By Roland H. Patch, Associate Professor of Floriculture

This is the fifteenth annual report of the trial grounds. In view of the fact that printing costs are high and that there is much demand for space in the BULLETIN, it will be short and to the point.

There were one hundred and twenty-two varieties entered by seventy-eight persons. The number of States represented was twenty-two. The number of entrants are classified as follows:

NUMBER OF GROWERS BY STATES

California	7	New York	10
Connecticut	4	North Carolina	2
Illinois	3	Ohio	8
Indiana	4	Oregon	1
Iowa	2	Pennsylvania	4
Kentucky	2	Rhode Island	2
Maryland	3	Tennessee	1
Massachusetts	3	Virginia	2
Michigan	6	Washington	3
Missouri	1	West Virginia	4
New Jersey	4	Wisconsin	2

SEASON

No complaint could be made in regard to the season. The plants never did better than this past summer. Our water system was used when needed but the water was not used in an excessive amount. The attempt was to give the plants enough water to keep them growing during the dry periods.

The gorgeous display of form and color in the Dahlias was brought to an end by a killing frost on the night of October 25th.

Persons	No. of Varieties
55 - - - - -	1
15 - - - - -	2
2 - - - - -	3
3 - - - - -	4
2 - - - - -	6
1 - - - - -	7
78	

JUDGING

In the opinion of the writer the scoring was well done this year. This statement is not intended to cast reflection on past performance. It states a fact and emphasizes the point that it is always difficult to complete this work satisfactorily.

The names and addresses of those who helped with the scoring are as follows:

Alling, C. Louis, 251 Court St., West Haven, Connecticut.

Bujak, Michael P., 14 Turner St., Willimantic, Connecticut.

Dudley, Lynn B., 580 No. Columbus Ave., Mt. Vernon, New York.



This illustration shows how the Dahlias on test at Storrs are grown. These thrifty, well cared for plants give some indication of the almost ideal conditions under which your Dahlias have a chance to win a certificate of merit. It is expected that the new trial grounds at East Lansing, Mich. will offer equally good conditions and opportunity to growers.

Fraser, George W., Windham Road, Willimantic, Connecticut.

Frey, Conrad, 104 Montclair Avenue, Newark, New Jersey.

Maytrott, Warren W., Box 14, Vineland, New Jersey.

Reed, Charles G., 171 Ferry St., Lawrence, Massachusetts.

FINANCES

All entry fees were paid this year. There are no bills against the trial gardens. A small balance is in the hands of Mr. William B. Sweeney who was designated Treasurer of the Trial Grounds Committee last June. Some money is out in the nature of postage on the Dahlia roots which were returned to their owners this fall. It would be appreciated if those who owe this would pay it.

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. Capitals and abbreviations mean the same as in former reports.

APPRECIATION

The writer desires to say that all that has been done to assist in the operation of the American Dahlia Society trial grounds during the past year is appreciated.

The following varieties were awarded a Certificate of Merit, scoring 85 points or better.

1933 Certificate Winners

*7. **ROCKLEY MOON**, Formal Dec, entered by S. E. Taylor, R 3 Box 200, Morgantown, West Virginia. (85). Greenish yellow. Entire flower shows traces of purplish tint on back. Flowering habit prolific. Stem 4-11½ in. heavy, stiff, flower on side, inclined to droop later in the season. Improved by disbudding, heavier stem and better bloom. Size of flowers 5½-8¼ in., depth 2-3½ in. Height 6 ft. 8 in.

*8. **NO. 39, DORCAS-ANN**, Semi-Cactus, entered by Misses Elsie and Mary Williams, R. R. 4, Connersville, Indiana. (85). Outer petals deep rose pink, center cream color tinted with pink. Flowering habit good. Little late. Stem 4-11 in. heavy, stiff, flower on end, crotch, an ideal stem, improved by disbudding. Size of flowers 5-6¼ in., depth 2¼-4 in. Height 5 ft. 3 in. (Note. A delicate color.)

*10. **190**, Informal Dec, entered by G. R. Rudolf, Sappington, Missouri. (85). Mallow purple, blending into mallow pink. Flowering habit late. Stem 6¼-10 in. heavy to extra heavy, stiff, flower on side. A good stem. Both flower and stem improved by disbudding. Size of flowers 7¼-9½ in., depth 2½-3½ in. Height 6 ft. (Note. This is an exhibition variety.)

*20. **ROSIE**, Formal Dec, entered by Mrs. John C. Maxwell, Apple Grove, Brevard, North Carolina. (80 E 85 C). Mallow purple center. General tone amaranth pink. Outside petals pale amaranth pink. Flowering habit good. Stem 4-8 in. medium, some flowers face the heavens, inclined to droop at end of the season.

Size of flowers 5¾-7 in., depth 2-2¼ in. Height 5 ft. 3 in. (Color very good. Stake No. 59 did not grow.)

*30. **RUD**, Pompon, entered by George L. Farnum, Media, Pa. (85). Entire flower amaranth purple. Backs of petals pale amaranth pink. Flowering habit good. Stem 3½-6 in. wiry, stiff, flowers on side, a few on end facing the heavens. Size of flowers 1¼-1¾ in., depth ½-1 in. Height 3 ft. 2 in. (Garden.)

*31. **YETTA**, Miniature Cactus, entered by George L. Farnum, Media, Pennsylvania. (85). Deep rose pink. Some buff yellow in and around center. Flowering habit good. Stem 6½-9 in. wiry, flower on side. Size of flowers 4-5½ in., depth 1¼-2½ in. Height 3 ft. 3 in. (Garden.)

*37. **SEEDLING**, Informal Dec, entered by S. W. Smith, 29 Kingston Ave., Port Jervis, New York. (85). A mixture of carmine and spectrum red. Flowering habit good. Stem 12½-16 in. Extra heavy, stiff at beginning of season. Later it tends to droop. Size of flowers 8-10¼ in., depth 2½-4 in. Height 4 ft. 4 in. (Exhibition. A very beautiful flower.)

*45. **CARRIE ELIZABETH**, Informal Dec, entered by Harold Lutes, 601 S. Gorham St., Jackson, Michigan. (85). Flesh ocher with tints of lemon yellow and ochraceous orange or carrot red. An effect nearly copper color. Flowering habit prolific. Stem 5-16½ in. heavy to medium, stiff, flower facing side. A good stem. Size of flowers 6¼-8 in., depth 2-3 in. Height 5 ft. 4 in. (Exhibition and commercial.)

*49. **SEEDLING**, Informal Dec, entered by Carl Salbach, 657 Woodmont Ave., Berkeley, California. (85 as commercial). White, now and then a tint of pale amaranth pink. Very delicate. Flowering habit late. Stem 9-15 in. medium, stiff, flowers face heavens, some face the side. Size of flowers 4½-6 in., depth 2-3½ in. Height 6 ft. 4 in.

*53. **NO. 53, DEARIE**, Collarette, entered by A. De Rooy, 2513 Cedar St., Everett, Washington. (85). Spinel red. Base of petals white. Petals more or less outlined and splashed with white. Flowering habit prolific. Stem 2½-6½ in. slender, wiry. Size of flowers 2½-3½ in., depth ½-¾ in. Height 5 ft. 9 in. (Garden flower.)

*56. **LOUISE BATES**, Semi-Cactus, entered by Laurel Dahlia Gardens, Laurel, Maryland, Major James B. Eastman Proprietor. (85). Color mallow pink. Light mallow purple, dark phlox purple near center. Flowering habit prolific. Stem 3½-10¼ in. medium, stiff, flowers on side, some on end, droops later in the season. Size of flowers 7½-10 in., depth 2-3½ in. Height 5 ft. 6 in. (This is an exhibition variety.)

*57. **EASTMAN NO. 35**, Miniature Formal Dec, entered by Laurel Dahlia Gardens, Laurel, Maryland, Major James B. Eastman Proprietor. (85). Color amaranth pink shading into pale amaranth pink. Flowering habit prolific. Stem 2-8½ in. stiff, wiry, flower on side. Size of flowers 2½-3¼ in., depth ¾-2 in. Height 4 ft. 4 in.

*67. **NO. 29, SULTAN OF HILLCREST**, Formal Dec, entered by Dr. A. B. Scott, Hillcrest Dahlia Gardens, Fairmont, West Virginia. (85). Pinard yellow, with back of petals and tones throughout of thulite pink. Tones faint not strong. Flowering habit prolific. Stem 5-14 in. crotch, stiff, heavy, flower on side, improved by disbudding. A good stem. Size of flowers 6¼-9¼ in., depth 2¼-4 in. Height 4 ft. 6 in. (Exhibition and commercial. Fall bloomer and good form.)

*71. **JAMES KIRBY**, Informal Dec, entered by Badetty Brothers, Huntington Dahlia Gardens, 40 Prospect St., Huntington, New York. (85 as Commercial). Brilliant scarlet, blending of spectrum red and some scarlet. Very vivid in color. Flowering habit good. Stem 6-17 in. medium, stiff, flower on side. Later faces down. Improved by disbudding. Size of flowers 5-8 in., depth 2½-3¼ in. Height 7 ft.

*72. **GOLDEN ECLIPSE**, Formal Dec, entered by Badetty Brothers, Huntington Dahlia Gardens, 40 Prospect St., Huntington, New York. (85 as commercial). Picric yellow with tints of flesh color on nearly all petals. Flowering habit good. Stem 7-12½ in. medium, stiff, flowers on side. Size of flowers 6-7¾ in., depth 2-4 in. Height 7 ft. 3 in.

Storrs Trial Ground Report—Continued

***80. VICTORIA, 1001 SUCCESS**, Incurved Cactus, entered by Success Dahlia Gardens, Charles G. Reed, Owner, 171 Ferry St., Lawrence, Massachusetts. (85½). Deep seafoam green, deepening to Chalcedony yellow at center petals. Flowering habit fair. Stem 4-8½ in. medium to slender, soft, flower on side. Improved by disbudding. Size of flowers 4-7 in., depth 1½-3 in. Height 5 ft. 8 in. (Exhibition.)

***82. STRONGHEART, SSS SUCCESS**, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, Owner, 171 Ferry St., Lawrence, Massachusetts. (85). Light orange with blending of grenadine. Flowering habit prolific. Stem 4-12 in. medium, stiff, flower on side. Improved by disbudding. Size of flowers 6½-9¼ in., depth 2-3½ in. Height 6 ft. 8 in. (Exhibition.)

***83. THE FIREMAN, 12-31**, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, Owner, 171 Ferry St., Lawrence, Massachusetts. (85). Spectrum red, dazzling, occasional strips and tips of petals mustard yellow. Flowering habit prolific. Stem 3½-12 in. medium, stiff, flower faces down. Size of flowers 5½-9 in., depth 2-3 in. Height 6 ft. (Exhibition. Very showy and free flowering.)

***84. PALO ALTO**, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, Owner, 171 Ferry St., Lawrence, Massachusetts. (85). Carrot red and Eugenia red center, a coppery sheen over all. Flowering habit good. Stem 6½-12½ in. heavy to medium, stiff, flower faces side. Improved in flower and stem by disbudding. Size of flowers 5½-8 in., depth 2-4 in. Height 6 ft. (Exhibition.)

***88. ARELDA LLOYD**, Informal Dec, entered by Charles H. Smith, R. F. D. No. 1, Mays Landing, New Jersey. (87). A deep soft shade of yellow with a slight flush of pink on ends of petals, reverse a clear yellow with pink veining. Flowering habit prolific. Stem 3-14 in. medium, stiff, crotch, majority of flowers on end facing the heavens. An ideal stem. Size of flowers 5½-8½ in., depth 2½-5½ in. Height 5 ft. 3 in. (Exhibition.)

***92. CITY OF CLEVELAND**, Informal Dec, entered by Walter Bissell, Hillside Farm, Austinburg, Ohio. (85). Scarlet red with touches of nopal red on edges of petals, having a splashed appearance. Flowering habit prolific. Stem 3-15½ in. extra heavy to medium, crotch, stiff, flower on side. Improved by disbudding. A good stem. Size of flowers 5¼-9¾ in., depth 2-4 in. Height 5 ft. (Exhibition.)

***93. NO. 77, "THE RED STAR"**, Semi-Cactus, entered by Mrs. Walter J. Etherington, 125 Lexington Ave., Westwood, New Jersey. (82¾). Exhibition and 85 Commercial). Pure spectrum red. Flowering habit prolific. Stem 3-11 in. medium, stiff, flower on end facing side. Size of flowers 5¼-7¾ in., depth 2-3 in. Height 5 ft. 7 in.

***101. IROQUOIS SUNRISE**, Formal Dec to Informal Dec, entered by Iroquois Dahlia Gardens, John Toth, Proprietor, Box 12, Fairfield, Connecticut. (85). Empire yellow with shades of apricot yellow also base of petals salmon orange, there are two tones of orange around the center. Flowering habit late. Stem 9 in. medium, stiff, flower facing the heavens. Size of flowers 7 in., depth 3 in. Height 5 ft. 3 in. (Exhibition.)

***102. IROQUOIS SUNBEAM**, Informal Dec, entered by Iroquois Dahlia Gardens, John Toth, Proprietor, Box 12, Fairfield, Connecticut. (85). Orange buff with a great deal of flesh ochre. Flowering habit prolific. Stem 5½-12 in. heavy to medium and slender, stiff, crotch, flower faces side. A good stem. Size of flowers 6-9 in., depth 2-5 in. Height 6 ft. (Exhibition and Commercial.)

***106. ARCTURUS**, Informal Dec, entered by Golden Rule Dahlia Farm, Harley T. Peck, Lebanon, Ohio. (85). Scarlet red, backs of petals pale greenish yellow, center petals irregularly splashed. Flowering habit late. Stem 12 in. heavy to medium, flower on end facing side. Size of flowers 7½ in., depth 3¼ in. Height 5 ft. 11 in. (Exhibition.)

***108. HONOR BRIGHT**, Informal Dec, entered by Golden Rule Dahlia Farm, Harley T. Peck, Lebanon, Ohio. (85). General color light coral red with satiny yellow tones shining through. Flowering habit late. Stem 5¾-13½ in. medium to slender, flower facing down. Improved by disbudding. Size of flowers 5¼-7¼ in., depth 2-4 in. Height 4 ft. 6 in. (Exhibition.)

The Following Varieties Scored Between
80 and 85

9. NO. 154, CHEERIO, Formal Dec, entered by Misses Elsie and Mary Williams, R. R. 4, Connersville, Indiana. (80½). Scarlet. Each petal outlined with Empire yellow. Flowering habit (plants did not grow well). Stem 4½-10 in. medium, nearly all flowers on side, some on end. A good stem. Size of flowers 5¼-7 in., depth 1¾-2¾ in. Height 4 ft. 7 in. (Note. A commercial flower.)

11. 276, Informal Dec, entered by G. R. Rudolf, Sappington, Missouri. (80.9). Grayish white, growing creamy toward center. When sun is shining on it, one sees transparent purple in the petals. Flowering habit late. Stem 3¼-11 in. heavy, stiff, flower on side. When disbudded the flowers are on end. Crotch. Size of flowers 7-9 in., depth 2¼-3 in. Height 6 ft. 9 in. (Note. This is an exhibition variety.)

25. BRADFORD, Informal Dec, entered by Mrs. Charles Romp, Medina, Co., Litchfield, Ohio. (82¾). Spectrum red, tips pale amaranth pink. Flowering habit late. Stem 5¾-11 in. heavy to medium, stiff, flower facing side, improved by disbudding. Size of flowers 6½-8¾ in., depth 2½-4 in. Height 4 ft. 9 in. (Exhibition.)

26. MARY CREED, Formal Dec to Informal Dec, entered by H. O. Dunbar, 4326 Ashland Ave., Detroit, Michigan. (80¼). Scarlet red, backs of petals and tips buff yellow. Flowering habit prolific. Stem 3½-7 in. medium, stiff, inclined to droop. Size of flowers 5¼-8 in., depth 2-4 in. Height 3 ft. 11 in. (Exhibition. Shows green open centers.)

27. "ZIP", Miniature Peony to Anemone, entered by Harold H. Miller, 1553 N. Simpson St., Portland, Oregon. (80). Scarlet. Flowering habit prolific. Stem 2¼-9 in. slender, stiff, flower on side, wiry. Size of flowers 2½-3¾ in., depth ½-1¼ in. Height 3 ft. 5 in. (Note. Garden flower. Free flowering.)

29. CATHERINE DENT, Informal Dec, entered by Howard J. Frame, P. O. Box 505, Tulane Co., Porterville, California. (83). Pale rosolane purple. Flowering habit fair. Stem 3½-8½ in. heavy, crotch, stiff, flowers on end facing heavens, later facing side. An ideal stem. Size of flowers 6¼-7¼ in., depth 2-4½ in. Height 4 ft. 3 in. (Exhibition. Good foliage.)

32. SEEDLING NO. 103, Informal Dec to Formal Dec and Peony, entered by D. E. Parry, Box 243, Wellston, Ohio. (80). Entire flower carmine. Flowering habit late. Stem 6-8 in. medium, very soft stem. Size of flowers 5-6 in., depth 1¼-1¾ in. Height 4 ft. 7 in. (Exhibition. Stake No. 96 did not grow. Open center when disbudded.)

35. NO. 124, Informal Dec, entered by William Bartel & Sons, Route No. 2, Plymouth, Michigan. (83). Entire flower light mallow purple. Flowering habit good. Stem 4-8½ in. medium, flower faces down, will droop, at end of season it does droop. Size of flowers 6-8 in., depth 2-3 in. Height 3 ft. (Exhibition. Health brings it down.)

38. MRS. ALBERT M. HERR, Informal Dec, entered by Adam Felsing, Route 1, Lancaster, Pennsylvania. (80). Mallow pink, tips of petals cream, backs rose pink. Flowering habit late but fair. Stem 7½-12 in. extra heavy to medium, stiff, flowers on side, some face heavens. Size of flowers 6-8 in., depth 2¼-4½ in. Height 7 ft. 9 in. (Exhibition and commercial. Color not good, washy.)

42. DELWOOD GLORIOUS, Formal Dec, entered by Mrs. W. Delaporte, 1570 W. National Ave., Milwaukee, Wisconsin. (83½). Tyrian rose, backs of petals and center orange pink. Flowering habit fair. Stem 8½-12 in. medium, stiff, flower on side, tends to droop. Improved by disbudding but soft. Size of flowers 6-8½ in., depth 2-3½ in. Height 5 ft. 2 in. (Exhibition. Distinctive color. This variety produces many informal decorative flowers.)

44. MARY RUTH, Informal Dec, entered by Harold Lutes, 601 S. Gorham St., Jackson, Michigan. (82). Entire flower spectrum red. Flowering habit late but good. Stem 4-13 in. medium, stiff, flower on end facing side. Improved by disbudding. Size of flowers 5-8¼ in., depth 2¼-3½ in. Height 4 ft. 5 in. (Exhibition.)

48. **D-F. 150**, Informal Dec to Semi-Cactus, entered by Ruschmohr Dahlia Gardens, Rockville Center, New York. (821/5). Old rose blending with begonia rose. Backs of petals maize yellow. Flowering habit late. Stem 3-6½ in. crotchky, stiff, flowers on end facing heavens, some facing side. Size of flowers 6½-8 in., depth 2-2½ in. Height 5 ft. 9 in. (Exhibition. A very attractive flower. May be retried if desired.)

50. **Y K-7**, Formal Dec, entered by Harry H. Knight, 133 South Riverside, Ames, Iowa. (83). Light greenish yellow, with some petals greenish yellow. Flowering habit late but good. Stem 3-7 in. heavy to medium, soft, will droop. Size of flowers 6¾-7½ in., depth 2¼-3 in. Height 5 ft. 8 in. (Exhibition. The stem brings it down.)

55. **GATELY, EASTMAN NO. 100**, Informal Dec, entered by Laurel Dahlia Gardens, Laurel, Maryland, Major James B. Eastman, Proprietor. (83). Pure liseran purple. Flowering habit fair. Stem 7-15½ in. medium, stiff, flower on side. Size of flowers 6½-8 in., depth 1¾-2¼ in. Height 7 ft. 8 in. (This is an exhibition flower. Two plants did not grow well. Transparent color not true.)

58. **CORDES-EASTMAN 31-9**, Informal Dec, entered by Laurel Dahlia Gardens, Laurel, Maryland, Major James B. Eastman, Proprietor. (83½). Color general tone Jasper pink, blended with warm buff. Flowering habit good. Stem 2½-7½ in., medium, stiff, flower on side, some facing down, throws open centers when ready to cut. Improved by disbudding, larger bloom, better stem. Size of flowers 4½-8½ in., depth 2-4¼ in. Height 5 ft. 2 in. (This is an exhibition bloom, wonderful color, stem not so good.)

62. **NO. 2 BUBBLES OF HILLCREST**, Informal Dec, entered by Dr. A. B. Scott, Hillcrest Dahlia Gardens, Fairmont, West Virginia. (82). Violet carmine and tyrian rose tints. Backs of petals mallow pink. Flowering habit fair. Stem 3½-10 in. medium, stiff, flower on side, some face down. Flower slightly improved by disbudding. Size of flowers 6¾-10 in., depth 2¼-4¾ in. Height 4 ft. 3 in. (Exhibition. Shy bloomer and flowers too deep in foliage.)

65. **NO. 24, HILLCREST BLAZE SHIEK**, Informal Dec to Peony, entered by Dr. A. B. Scott, Hillcrest Dahlia Gardens, Fairmont, West Virginia. (812/5). Odd blending of grenadine rose red and amaranth purple at center. Entire effect mostly grenadine with coppery tones. Flowering habit good. Stem 5-15 in. extra heavy to medium, stiff, flower faces down, droops later in the season. Improved by disbudding in stem and flower. Size of flowers 6-10½ in., depth 1¼-3½ in. Height 5 ft. 11 in. (Exhibition.)

69. **MARY E. GRAY**, Informal Dec, entered by C. P. Gray, 2321 W. Jackson St., Muncie, Indiana. (83). Scarlet red. Flowering habit good. Stem 5-12 in. medium to slender, stiff, flower on side, later in season droops. Improved by disbudding. Flower little heavy for stem. Size of flowers 6-10 in., depth 2-4 in. Height 5 ft. 3 in. (Exhibition, stem off, petals are long for a true formal decorative.)

70. **SEEDLING NO. 3**, Informal Dec, entered by J. Z. Cleveland, Poisset Gardens, Zirconia, North Carolina. (825/6). Light greenish yellow for the entire flower. Flowering habit good. Stem 6-12½ in. heavy to slender, stiff, flower on side. Droops at end of season. Size of flowers 5¼-8¼ in., depth 1¾-3 in. Height 5 ft. 7 in. (Exhibition. Wonderful color.)

74. **32-04**, Informal Dec to Semi-Cactus, entered by Smiths' Floral Gardens, Mrs. L. M. Smith, R. R. No. 1, Box 65, Royal Oak, Michigan. (80). Lemon yellow with tints of apricot yellow. Flowering habit late. Stem 5¾-13 in. medium, stiff, flower on end of stem facing down. Later in season it droops. A poor stem. Size of flowers 6-8¾ in., depth 2-3 in. Height 6 ft. 1 in. (Exhibition.)

78. **B. B. 103, SUCCESS**, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, Owner, 171 Ferry St., Lawrence, Massachusetts. (81). Jasper red, backs of petals pale amaranth pink, showing through and tinting petals on front side. Flowering habit prolific. Stem 4½-10½ in. slender, stiff, flower on end facing side, crotchky. Size of flowers 5¼-8 in., depth 1½-2½ in. Height 5 ft. 5 in. (Exhibition. Clean growth.)

79. **X. Y. Z.**, Informal Dec, entered by Success Dahlia Gardens, Charles G. Reed, Owner, 171 Ferry St., Lawrence, Massachusetts. (833/5). A mixture of light coral red and buff yellow, making a salmon color, shading somewhat deeper near center petals. Flowering habit good. Stem 4½-9¾ in. medium, stiff, slightly crotchky, flower faces down, and some on end. Improved by disbudding. Size of flowers 6¼-10 in., depth 2-5 in. Height 4 ft. 9 in. (Exhibition.)

81. **3621**, Formal Dec, entered by Success Dahlia Gardens, Charles G. Reed, Owner, 171 Ferry St., Lawrence, Massachusetts. (84). Coral pink, petals around center orange buff and tints of coral pink. Flowering habit good. Stem 4½-15 in. extra heavy to medium, stiff, flower on end and some on side. A good stem. Size of flowers 6-8 in., depth 2-2¾ in. Height 6 ft. 1 in. (Exhibition.)

87. **ELIZABETH KELLER**, Informal Dec, entered by Mrs. Okey J. Broadwater, Box 157, Bellington, West Virginia. (82). Light mallow purple and mallow purple center. Flowering habit good. Stem 2½-10 in. medium to slender, stiff, flowers face side and some face down. Improved by disbudding in flower and stem. Size of flowers 5½-9½ in., depth 1¾-2½ in. Height 5 ft. 8 in. (Exhibition.)

89. **MARGARET DILLON**, Informal Dec, entered by Fred D. Sanborn, 2619 Kingston Road, Cleveland, Ohio. (83). Curled petals around center are light orange yellow, the remaining rows are peach red. Flowering habit good. Stem 4½-12 in. medium to slender, stiff, flower on side. Later in season drooping. Size of flowers 5½-8½ in. increased by disbudding, depth 2¾-4¼ in. Height 6 ft. (Exhibition.)

90. **MOLLY CAIRNES**, Informal Dec, entered by Fred D. Sanborn, 2619 Kingston Road, Cleveland, Ohio. (834/5). Apricot buff, portions of petals and backs deep rose pink. Flowering habit fair. Stem 3-6½ in. medium, crotchky, stiff, flowers facing the heavens, some side. Later in the season the majority of flowers face the side. Size of flowers 7¼-10 in., depth 2½-4 in. Height 3 ft. 5 in. (Exhibition.)

94. **RUTH M.**, Formal Dec to Peony, entered by F. A. Greenough, 25 French St., Braintree, Massachusetts. (83). Cameo pink and citron yellow. Flowering habit prolific. Stem 5-13 in. heavy, stiff, flower faces side and down. Improved by disbudding. Size of flowers 5¼-8½ in., depth 2-4 in. Height 5 ft. 2 in. (Exhibition.)

97. **MAE WEST**, Informal Dec to Formal Dec, entered by Wallace McIlhany, 218 Bradbury Drive, San Gabriel, California. (83). Tyrian rose, petals near center tipped and splashed with amber yellow. Flowering habit fair. Stem 3-10½ in. slender, stiff, flowers face side and some down. Flowers too heavy for stem. Size of flowers 5-7½ in., depth 1¾-3 in. Height 7 ft. 6 in. (Commercial. Very attractive.)

98. **CITY OF ROYAL OAK**, Formal Dec to Semi-Cactus, entered by M. J. Reynolds, 338 Farnum Ave., East Royal Oak, Michigan. (80). Rose doree, with now and then stripes of light cadmium. Flowering habit prolific. Stem 3-11 in. medium to slender, crotchky, stiff, flower on side. Later in season drooping. Much improved by disbudding in flower and stem. Size of flowers 5¼-9 in., depth 2-4¼ in. Height 5 ft. 6 in. (Exhibition.)

99. **SEEDLING 1933**, Informal Dec, entered by George W. Fraser, Windham Road, Willimantic, Connecticut. (83¾). Citron yellow, now and then pinkish tones of alizarine pink. Flowering habit prolific. Stem 5-14 in. heavy to medium, stiff, flower facing side and down. Both flower and stem improved by disbudding. Size of flowers 6-9½ in., depth 2-3¾ in. Height 5 ft. 3 in. (Exhibition.)

105. **SEEDLING NO. 100**, Informal Dec, entered by Iroquois Dahlia Gardens, John Toth, Proprietor, Box 12, Fairfield, Connecticut. (81). Height 4 ft. (Late. This is the reason for lack of description. Stake 312 did not grow. May be retried if desired.)

107. **C-1**, Informal Dec, entered by Golden Rule Dahlia Farm, Harley T. Peck, Lebanon, Ohio. (82). Mallow purple, center darker purple. Flowering habit late. Stem 6-12½ in. medium, stiff, flower facing side.

(Concluded on following page)

The Dahlia Honor Roll for 1933

By Derrill W. Hart

Editor's Note: This is the Complete, Unabridged, Honor Roll
As Sent Out On Request by the American Home.

In compiling a list of the outstanding Dahlias of 1933, perhaps the most impressive fact concerning these novelties is the wide spread points of origination. No longer do one or two or three States produce the best novelties. It shows that interest in the Dahlia is increasing tremendously fast, particularly in the Mid-West and South. The 1933 shows were generally not up to standard. After so many destructive winds and rains, no one expected them to be. For quality of Dahlia bloom the best shows on the Atlantic Coast seem to have been Camden, N. J., Rockville Centre (a Long Island hotbed of Dahlia enthusiasm), Red Bank, N. J., created most favorable comment. On the West Coast the Dahlia Society of California Show at San Francisco, Los Angeles, Tacoma, and Portland, Oregon, seem to have been the outstanding shows. The Mid-West where so many societies are staging their first shows, the Century of Progress Show at Chicago, Detroit and Cincinnati seem to have elicited the most favorable comment. A great opportunity for new varieties that will interest the Dahlia hobbyist lies largely in the Cactus and Semi-Cactus types. It is most reassuring to see the interest which the Miniatures are adding to the Dahlia. They are in no sense competing with the large-flowered types, but offer new realms of possibilities as bedding plants and as a fall flower both for cutting and display in the small garden.

CACTUS NOVELTIES

PAUL PFITZER (Berger). A German novelty which created much comment as any Dahlia at New York. Combined in a basket with Frau O. Bracht, it not only won the class in which it was entered, but received a special Award of Merit as the Best Basket in the Show. I would class it as a straight cactus, but of course, like so many Cactus varieties, it will also bloom incurved. The color is a pleasing combination of primrose and shell pink. American originators ought to be a bit

chagrined that the two outstanding Cactus Dahlias at New York were both of foreign origination.

LOIS MARION (Detjen-Ruschmohr). This is the first time, I believe, that Delaware places a Dahlia on this Roll of Honor. This variety scored at the American Dahlia Society Trial Grounds at Storrs in 1932. The color is an attractive combination of shrimp pink and light buff, almost a straw color. The bush is a tall, rank grower and needs to be pruned severely for best results. This variety is one of those which increases in effectiveness when grown for exhibition.

MME. FLOR BRAEME (Braeme). This Belgian Incurved Cactus was shown at Bryn Mawr and the real Dahlia lovers spied it at once as a flower of great beauty. It is decidedly incurved and a most pleasing combination of old rose and gold, with the gold predominating at the center.

FORMAL DECORATIVES

SPITZENBERG (Travis). This variety represents the true formal type under the present American Dahlia Society classification. At New York it won not only the Best Undisseminated Formal Dahlia but also received the Sweepstakes as the Best Dahlia in that group calling for undisseminated Dahlias. The color is a bright rose blushed with rose red. The general effect is a dark old rose.

ELISSA LANDI (Cordes-Eastman). Winner as Best Undisseminated Formal Dahlia at the Camden Show. It is most unfortunate for the disseminator's sake that this fine Dahlia could not be shown more this year. It is a deep flower of bright orange shading towards gold. I had this Dahlia on trial and found it a mighty satisfactory performer.

HELEN LISLE (Farnum). Winner as Best Undisseminated Seedling at Bryn Mawr. A true type Formal and an excellent variety to exhibit in this type class. The

Trial Ground Report—Continued from Preceding Page

Size of flowers 6-7 in., depth $2\frac{1}{4}$ - $3\frac{1}{4}$ in. Height 5 ft. 1 in. (Stake No. 318 did not grow. Exhibition.)

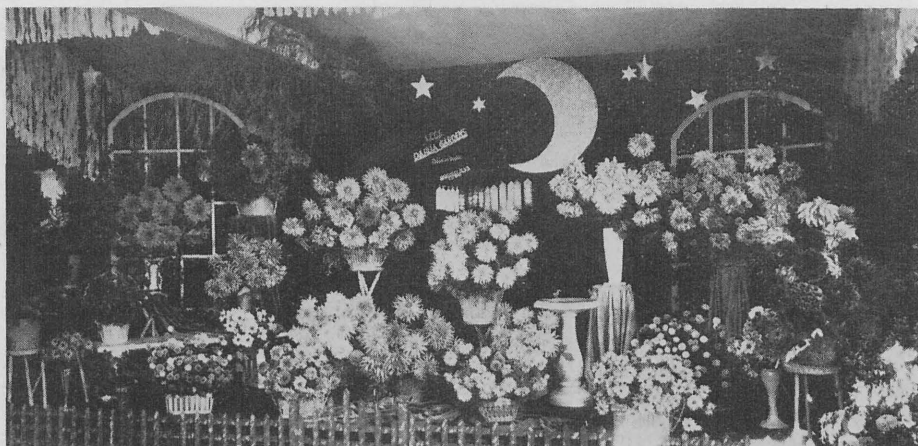
111. NO. 252. Miniature Informal Dec, entered by Paul Fitzsimmons, Harbourview Estate, Newport, Rhode Island. (81). Rose red, backs of petals cream color, often showing on the front too. Flowering habit fair. Stem 3-10 in. medium to slender, flexible, slightly crotchety. Size of flowers 4- $5\frac{1}{2}$ in., depth $1\frac{1}{2}$ - $2\frac{1}{2}$ in. Height 5 ft. 3 in. (Garden flower.)

113. NO. 300. SEEDLING, Informal Dec, entered by Speedway Dahlia Gardens, M. Markland, Proprietor, 1259 North Mount St., Indianapolis, Indiana. (82). Stake No. 333, old rose, Eugenia red near center. Stake No. 334 and 335, center pale lemon yellow, beyond it becomes light lemon orange. Flowering habit prolific. Stem 5-13 in. medium to slender, flower facing side, some face heavens. A pretty good stem. Size of flowers $5\frac{1}{2}$ - $7\frac{1}{2}$ in., depth 2- $2\frac{3}{4}$ in. Height 5 ft. 1 in. (Exhibition.)

114. X I X A, Informal Dec, entered by Walter A. Angell, Andahlia Gardens, 294 Woonasquatucket Ave., Lymanville, Rhode Island. (83). Creamy white, center petals splashed slightly with rhodamine purple, also all outer petals and backs distinctly rhodamine purple. Flowering habit good. Stem 3-8 in. medium, stiff, flower facing side, some face the heavens. A pretty good stem. Size of flowers 7-9 in., depth 2- $4\frac{1}{2}$ in. Height 4 ft. 4 in. (Exhibition.)

115. DAVID-RICHARD, Informal Dec, entered by Alanson L. Fish, 144-59 29th Road, Flushing, New York. (83%). Spectrum red with salmon buff on backs of petals and also many of them have tips of the buff. Flowering habit late. Stem 6-11 in. medium, stiff, flower facing side, some face the heavens. A pretty good stem. Size of flowers $7\frac{1}{2}$ - $8\frac{1}{4}$ in., depth $2\frac{1}{2}$ - $3\frac{1}{2}$ in. Height 4 ft. 10 in. (Exhibition.)

ROLAND H. PATCH,
Associate Prof. of Floriculture, Conn.
State College, Storrs, Conn.



Display arranged by Mrs. S. W. Lee, Tacoma, Wash. at the Show held there Sept. 17, 1933. It was one of the First Prize winners at this Western Washington Fair. With the individual exhibits shown here Mrs. Lee won the Commercial Growers' Sweepstakes, also.

color is true cattleya lavender, and in the novelties this year, no variety has better growing habits than this one.

LAWRENCE TIBBETT (Meusdorffer). It is indeed a tribute to this variety to bear the name of one of America's favorite singers. At the Dahlia Society of California Show this variety was chosen not only by Mr. Tibbett himself to bear his name, but, what is of more importance, made an equally favorable impression on the judges, for they chose it as the Best Flower in the Show. That is indeed a great tribute to a Formal Decorative when stacked against the wealth of Dahlia blooms which the Informal Decoratives can show.

SEMI-CACTUS

CITY OF ROYAL OAK (Reynolds-Fraser). This variety was not shown in the East but it is a Dahlia I recommend for its fine form and attractive color. The most accurate impression I can give of its color is to say it is a russet salmon. It is a full, high centered flower and a fine grower.

CRAIG BISSELL (Tooker-Fisher & Masson). For two years this variety has made a most favorable impression on those who have seen it at the New York Show. It is a true Semi-Cactus type; not a large flower, but an ideal flower for artistic arrangement, and a free blooming bush in the garden. It is particularly effective with autumn foliage and in a metal container. The basic color is old rose blushed with bronze, hence its effectiveness as an autumn color.

ELEGANCE (Ballay). A most pleasing variety of primrose yellow with pale mauve shadings on the outer petals. I had this on trial and it produced a wealth of bloom of very pleasing and artistic appearance.

INFORMAL DECORATIVES

Frankly, there was such a wealth of new varieties in the Informal Decoratives that I must admit those listed here do not include all of those that made good records. However, the line must be drawn somewhere, and in choosing these varieties, the three following points were considered above others: beauty of bloom, good growing habits and prize records.

GRANDEE (Ballay). Winner of the American Home Achievement Medal at the Dahlia Society of California Show. It is a very large flower of a striking combination of Spanish red and golden yellow. The reverse of

the petals shows a blush of russet red. Grandee also won as Largest Flower at the San Leandro Flower Festival.

ELEANOR ROOSEVELT (Veile & Mendham). Here is a very impressive addition to the large flowered whites that have been introduced in the past few years, and this one is particularly clean-cut and will give any white a run for its money on the exhibition table. Winner as Best Single Bloom of an Undisseminated Dahlia at the Bryn Mawr Show in a hot class of fine blooms. Due to the storms only one bloom was shown at New York, but that was a very impressive one. I had this on trial and it proved a thrifty grower.

R. A. BROOMFIELD (Petrie-Chappaqua). This Dahlia was not shown this year, but of all the new varieties no one made a finer impression on me. It is a giant of very impressive form; a deep flower of glorious saffron orange flushed with rose. I saw a complete row of this and I predict a great future for this variety.

SULTAN OF HILLCREST (Hillcrest Dahlia Gardens). This Dahlia received two outstanding awards this season, namely: Winner as Best Bloom in Show of the Dahlia Society of West Virginia, and a Certificate of Merit at Storrs. It is a giant flower of clear gold flushed with bronze and tints of brownish red. I had this on trial and it can produce a lot of fine specimen blooms. It is almost Formal in type.

MONMOUTH RADIANCE (Kemp). In the hottest class of seedlings that I saw during the year, namely at Camden, this variety came out as winner. It took the judges about 45 minutes to make the decision, and I think they picked a grand Dahlia. The color is a light coral pink shading to primrose at the center of the flower. Under artificial light it is one of the finest colors I have ever seen.

ORIENTAL GLORY (Delight-U Gardens). If all of Indiana's new Dahlias are as good as this one, the State will soon rank as a leader in the Dahlia world. This variety received a Certificate of Merit at Storrs in 1932, and well deserved the honor. It is a glowing orange shading to deep orange at the center and one of the thriftiest, finest growers.

MAN O' WAR (Boone-Ruschmohr). An exhibition red can no longer be just good to receive recognition. It must be outstanding. I would rate this variety as worthy of that term. Winner of the American Home

(Continued on following page)

Hart's Honor Roll—Continued

Achievement Medal at the West Virginia Dahlia Show in 1932, also a Certificate of Merit at Storrs the same year. It is a fine garden variety on account of its splendid habits and one of the best keepers among the large flowered varieties. The color is a rich, dark carmine red but with plenty of glow and life. Also a variety that will bloom with the earliest and continue right on up to frost.

MARY ELIZABETH REDFERN (Redfern). A new giant from the West Coast with an excellent record. In 1932 it won as Best Two-Year-Old Seedling at the Dahlia Society of California Show and again repeated this year as the Best Three-Year-Old Undisseminated Variety. The color is deep orchid rose and in form it has been called an orchid Jane Cowl.

CHAUTAUQUA SUNSET (Chautauqua Dahlia Gardens). This is not a novelty in the strictest sense of the word, but the glowing color of this Dahlia is so pleasing that it is only fair to include it in this year's Honor Roll, because I did not see it last year when it was introduced. It is of all the novelty Dahlias about the most pleasing in color; a glowing combination of apricot, old rose, and gold. It is almost formal in type and may be classed as such by the originator.

HILLCREST CINDERELLA (Hillcrest Dahlia Gardens). A giant, clear lavender and winner of Largest Flower at the recent show of the Dahlia Society of West Virginia. It is one of the freest producers of bloom of any of the big flowered varieties. I had this on trial and it was the first Dahlia to bloom in the garden and kept right at it until the end of the season. It is a very lovely color, particularly under artificial light—a true pastel lavender and not a pink. West Virginia is taking a leading place with its many fine introductions.

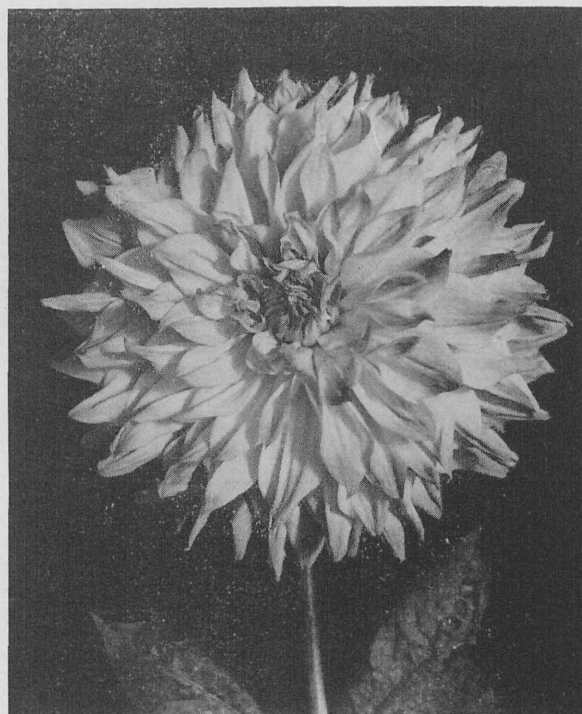
WASHINGTON GIANT (Lee's Dahlia Gardens). Winner of the American Home Achievement Medal at Portland. Here is a real lavender in a finely formed flower. The blooms are streaked with silver, and as it grew with me, showed silver petaloids near the center of the flower. It is an aptly named flower on extra good stems.

KING OF YELLOWS (Sagamore Gardens). Perhaps the two color classes that afford the keenest competition at the present time are those of yellow and red. There were at least a dozen good new yellows this year and this is one of the best. It is a free blooming, fine growing variety of a rich, clear, golden yellow color. Received Certificate of Merit at Storrs in 1932.

LORD OF AUTUMN (Almy). Here is a Dahlia that will give the four or five topnotch exhibition varieties a run for their money. In fact I prophesy that this variety will win its share of prizes in the specimen bloom classes. It is a huge, clear yellow, a very deep flower and a very impressive one. This was not shown during the year but I had it on trial, and it is the kind of Dahlia that causes a sensation for the dyed-in-the-wool Dahlia fan who likes the big flowers.

SPOTLIGHT (Cottage Grove Dahlia Gardens). Winner of the American Home Achievement Medal at Seattle as Best Undisseminated Dahlia, and one of the outstanding new Dahlias on the Coast this year. Authorities in the Northwest report it as an unusual Dahlia in every respect—size, color, and fine form.

H. R. S. (Seal). A very distinctive yellow of fine form and size. I had this on trial and it was among the best growers among the new Dahlias. It was not shown



FRANK SERPA—Semi Cactus

A winner at Dahlia Society of California Palace Hotel Dahlia Show as best two year old seedling. Color light pink shaded pink. Originated by an amateur after which it is named. We are informed that it was originally awarded the American Home Achievement Medal, but this decision was reversed by the judges.

in the East this year. Again I feature a yellow, but this one gains its place because of its distinctive long petalled bloom. One bush of this will furnish a lot of bloom in any garden.

ELINOR M. RADELL (Felsing). A lovely shell pink shading to deep rose at the center. I first saw this Dahlia at Storrs in 1932, where it received a Certificate of Merit, and I liked it even better this year because of its clean-cut beauty and very fine growing habits. It is not large but it is very beautiful.

BUCKEYE KING (Golden Rule Dahlia Farm). A sensation at Chicago and Cincinnati, and some of the reports from the Mid-West state that this is a better Dahlia than its garden mate, Buckeye Bride. I cannot as yet make that claim for it, but if it is even as good as its garden mate, it will last for many years as a popular variety.

FIREMAN (Success Dahlia Gardens). Winner of The American Home Achievement Medal at Boston and also Certificate of Merit at Storrs this year. Also one of the most showy Dahlias in the fine collection at the New York Botanical Gardens in Bronx Park, where it was

one of the leaders in the popularity contest, which, incidentally, was won by Satan. This variety is a flashy cardinal red with golden flushes and golden tips at the center of the flower.

NEW DEAL (Epler Dahlia Gardens). Winner of the American Home Achievement Medal at the Los Angeles Show. A fine new red with gold at the tips of the petals. Reports on this one are that it is a good keeper and a fine grower.

MONMOUTH SUNBURST (Kemp). A glowing combination of golden bronze with salmon flushes. I have grown this Dahlia for two years and consider it one of the best among the new autumn tinted varieties.

HARRIET NEALE (Wickersham Ruschmohr). The most complete description I can give of this variety is to say that it is a golden Marmion; deeper in color and more refined. I have seen this variety growing for two years and it is a very pleasing, distinctive, and satisfactory Dahlia.

SON OF COMMODORE (Hillcrest Dahlia Gardens). A large, very clear yellow and winner as Best Undisseminated Dahlia in the 1930 show of the West Virginia Dahlia Society. Here is a thoroughly tested Dahlia and an improvement over The Commodore in every way except size. It is one of the most attractive Dahlias on the bush I have seen, and produces a very fine plant with a lot of big, fine blooms at one time. The color is a clear, crystal yellow. I expect to see some very keen competition in the yellow color classes next year and believe this one will hold its own.

MINIATURES

BABY ROYAL (West). Winner of the Gold Medal of the British National Dahlia Society at Wisley in 1931. That is indeed a great achievement for any Dahlia and even more so for a Miniature. It is a gem of a flower, a most pleasing combination of salmon and apricot and an Informal Decorative in type.

CAMELLIA. Frankly I am sorry that I cannot give the originator of this variety. It, I believe, is not only one of the finest Miniatures in the group now being offered, but is one of the finest bedding plants of any kind. I saw a row of this in Southern New Jersey and its flaming orange color and fine bushy growth made one of the most impressive showings I ever saw in any flower.

ZIP (Miller). Miniature dec. This little fellow came to me unheralded, and I think it is one of the gems of the Miniature world. It is a nice, clean growing plant and full of flowers from early in the season right through. The color is a light carmine red shading towards coral.

CARLA (Dahliadel Nurseries). Another gem that made a great hit at several shows, particularly at New York and Camden. It is a compact, free flowering bush, literally covered with light tan Semi-Cactus blooms.

JEAN (Dahliadel Nurseries). Another lovely little Semi-Cactus and almost a duplicate in color of the larger-flowered variety California Beauty. This, with its companion Carla proved great favorites at the annual meeting of the Federated Garden Clubs of New Jersey. That meeting had its eyes opened by the wealth of material in the Miniature types.

RED HEAD (Golden Rule Dahlia Farm). Another fine grower in a Miniature decorative. A brilliant flame color and a fine variety for bedding or house decoration. This one, I think, will be a favorite.

GOLDEN CALIFORNIA (Bolsa Dahlia Gardens). A Miniature Cactus closely resembling Ambassador in general effect, with thicker petalling and much more free blooming habits. This was a favorite on the West Coast and particularly at the Los Angeles Show.

POMPON DAHLIAS

JILL (Dahliadel Nurseries). Winner as Best Pompon at Camden. Practically perfect in form. The color is an attractive combination of primrose margined with carmine.

JACK (Dahliadel Nurseries). Winner as Best Undisseminated Pompon in New York in a hot class, but had to take second place to its garden companion Jill at Camden. It was a toss-up, however. The color is a rich burgundy red and the bush is a low growing free bloomer.

GARY (Frame). A bright cardinal red that received the Certificate of Merit at Storrs in 1932. The revival of interest in exhibition Pompons finds a good one in this little fellow.

SECOND YEAR VARIETIES

And now for a mention of those of the Second Year Varieties and Standard Varieties that were outstanding during the season.

It can be said that most of the 1933 introductions made good as disseminated varieties. Of those featured in the Honor Roll of last year, only one was not introduced and that variety was the sensational Golden Eclipse (Badetty Bros.), which again this year received outstanding awards and a Certificate of Merit at Storrs, and won as the Best Keeping Flower in the Brooklyn Show. This, I believe, is the best Formal novelty offered today. Of course not all the novelties succeeded in all locations, but certainly if one checked the records of the show room and visited enough gardens, the varieties Amelia Earhart (Cordes-Eastman), Palo Alto (Ballay), Robert Emmet (Dahliadel Nurseries), Jane Dew (Ruschmohr), White Wonder (J. A. Kemp), La Fiesta (Cordes-Eastman), Hillcrest Mandarin (Hillcrest Dahlia Gardens), Sanhican's Cameo (Fisher & Masson), Jerome Kern (Veile & Mendham), were the outstanding 1933 introductions. Also the varieties Monmouth General (J. A. Kemp), Strongheart (Ballay), James Kirby (Badetty Bros.), Pot o' Gold (Chappaqua Dahlia Gardens), Pastel Glow (Ruschmohr), Jane Dixon (Fisher & Masson), (I missed this one last year), and Monmouth Pennant (J. A. Kemp) deserved special mention for their achievements in one way or another.

Of the Standard Varieties certainly the following were the most impressive Dahlias of last year: Satan, Murphy's Masterpiece, Monmouth Champion, Kathleen Norris, Jersey's Beauty, Jane Cowl, Frau O. Bracht, Betty Colter (this Dahlia deserves more popularity than it has had), Sharazad, Buckeye Bride, Ambassador, Edward Rindfleisch, Margaret E. Broomall and Aiko.



We have heard it rumored that some of our largest affiliated societies exclude amateurs from competing in Shows for the medals in the seedling classes. If this be true, it doesn't seem to us to be "American," or good sportsmanship. We hope we have been misinformed. For certainly it should be the Dahlia which wins in all competition, not the people who happen to grow them.

WHAT'S NEW in EUROPE

Interesting Reports About Dahlias Which Are Attracting the Attention of the Growers Across the Atlantic

By L. E. BEDARD, TORONTO, ONTARIO

It will be of interest to American Dahlia lovers to hear of the real progress made recently by European originators.

Mr. V. Berger of Czechoslovakia, whose Paul Pfitzer won high awards and was placed on the Roll of Honor for 1933, deserves more than passing mention.

Since he gave to the world his unbeatable Frau O. Bracht he has produced quite a large number of truly meritorious varieties. His Frau O. Berger, a dark red cactus, which was greatly admired at the World's Fair, has been renamed Nocturno for 1934, reserving the former name for a very lovely Dahlia which he will introduce in 1935.

Mr. Berger's introductions for 1934 are of high standard. The following are really outstanding.

Franz Berger, a large cactus, identical in form to Frau O. Bracht, and of a lively coral red color, will be very popular when available.

Princess Nini, a giant decorative, salmon rose of Chamois, yellow ground, ranks among the great.

Trauer um Langemarck, meaning mourning for Langemarck, is a nearly black cactus of very large size on perfect stems.

Mr. Emile Dokoupil, also of Czechoslovakia, will make the American growers sit up and take notice. He has Dahlias which anyone would be very proud to own. His creations are among the big ones, frequently reaching 14 inches across. In this class for 1934 we find Dokoupil's Triumph, a wonderful straw yellow informal decorative. His Dr. Joseph Scheiner, a huge chrysanthemum-like semi-cactus of extreme size and with a striking rose color on white ground, will be heard of among the winners ere long. Dr. Vanicek, a large Cobalt blue decorative, Poesie Moravy, a fine white with violet on the petals, Dokoupil's Giant, a true rose pink, are worthy of being grown anywhere.

Just across the border from Czechoslovakia, in Dresden, Germany, we find a most genial Dahlia artist in the person of Mr. Kurt Engelhardt. It would require a book to describe and praise the untiring and successful efforts of this world famous originator. He has placed high standards on Dahlias and beauty must be present above all before he introduces a new variety. His Dahlias are among the very finest garden varieties grown anywhere. For 1934 he introduces Flammende Sonne, flaming sun, a giant decorative of sheer beauty, luminous old gold with a suffusion of flaming red; Renate Muller, a large cactus, light yellow ground with salmon pink above. Gebet, meaning prayer, an extra large cactus, delicate pink with soft lilac and darker center. Phantom, a giant decorative, luminous violet purple with white tips.

Mr. Engelhardt used Elite Glory for parent with remarkable success. Frohliche Pfatz, meaning bright spots, crossed with Elite Glory, produced a large Dahlia

of rare beauty, named Gartendirector Anlauf, a lively violet purple red with large white tips.

Other German originators have also produced outstanding varieties. Mr. Wilhelm Alms introduced his Deutschland, an informal decorative, 12 inches across, of a lively fire red. Another German Dahlia deserving mention is Deutscher Triumph, a real giant cactus, delicate lilac on white ground.

Coming into France we find evidence of notable improvements, due largely to the Société Française Du Dahlia which has placed very high standards on Dahlias.

Mr. Rivoire, well known in America for his collarette Dahlias of which he is the creator, and more recently, for his Etoile Digoinaise, which is an American named orchid flowered Dahlia, has also to his credit some very fine new large Dahlias of all types. It is worth mentioning here that the orchid flowered Dahlia is not of English origin as often stated but was created eleven years ago by Mr. Rivoire.

A magnificent novelty produced by Mr. Rivoire, is Sang Gaulois, meaning Gallic blood. Imagine a large flower with a row of large blood red petals at the back and set on this a full decorative bloom of pure white with blood red at the base.

Mr. Rivoire has also produced a new race of creeping Dahlias, bearing single flowers three inches across in profusion and growing only to seven inches in height. Fine border work may be done with these little gems.

Big Dahlias may be found in all parts of France. Prince Alex. Murat, a fourteen inches across yellow decorative; Noblesee, Madame Hureau, Faurax Lille, Madame Herriot, L'Aurore are all giants in truth.

To Mademoiselle Leger, of France, goes the honor of having created an entirely new race of cactus Dahlias. These very artistic flowers of good size, have been named Laciniated, due to the formation of the petals which are wider at the end than at the base and have several claws which diverge in all directions. The petals interlace, roll and give the flowers the appearance of fluffy Chrysanthemums.

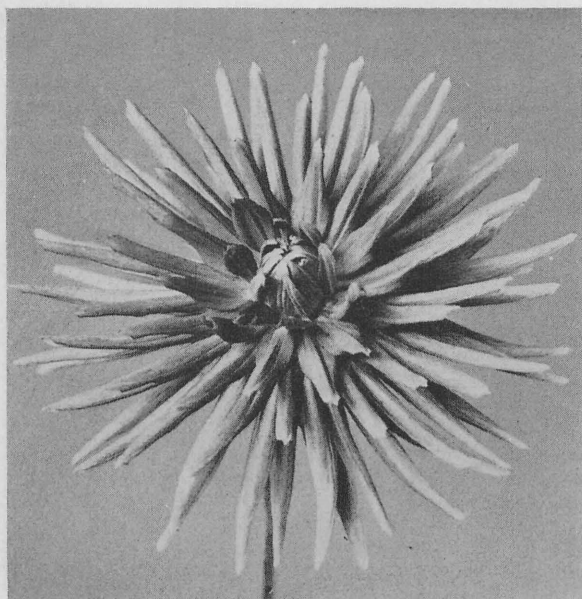
Without a doubt the wonderful accomplishments of our American growers had something to do with the great activity and encouraging results obtained by the European hybridists, and it is to be hoped that we may see more and more each year of these expressions of the beautiful.

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HOLLAND DAHLIA SEASON 1933

By H. CARLEE, HAARLEM

What an overwhelming luxury of colors and what an intense glow the sun has conjured into them, during the great many days he has shone this summer. Not only the flowers, but also we, human creatures, have enjoyed his light and warmth, not only in this summer, but also on these autumn days. Now, we have an opportunity to



Miss Belgium, a Fine European Straight Cactus
(Photo courtesy Mr. Carlee)

rightly appreciate the most beautiful of our autumn flowers, then we only fully realize what an unrivaled material we possess in colors and that we should not like to dispense with them and though they fortell us often and early already the coming autumn, we long for them, far before.

Now that I am writing this, I long again to roam about the wonderful varieties, but we have still very much to do before we have got so far.

We have some idea now how beautiful the varieties may be, when they enjoy the sun so much. Though we understand very well that on dry grounds it is not always a pleasure when there are so few rains during the blooming period, but when there is no lack of water, the most beautiful material may be gathered.

One of our first guests was Mr. Farnum, who, after a forced delay at Haarlem, happily had a day left to visit some nurseries and it has been a pleasure to me again, to conduct Mr. Farnum this year and to spend some hours in his company. Of course we have touched upon a great many new points re the culture of Dahlias.

It is always a great delight to meet lovers of flowers from far and near, to talk with them about culture, trial gardens, flower shows, etc. You are in contact then with those who have to work in far-off lands under circumstances quite different from ours and involuntarily the thoughts suggest themselves to us how it is possible that the mutual relations between the various countries are so hopelessly difficult, that distances which technical men have reduced so much, have become so difficult to surmount. Of course we know the difficulties and only express the hope that times may soon change for the better, and that we may soon understand each other better.

As we have already said we had a splendid season, and were able to form a grounded opinion about many varieties. Let us begin with those varieties that have won many high distinctions. Of the European varieties firstly

the well known champion Andre Csizik, a seedling of Dr. Helmut Späth. It has the same growing and flowering qualities, medium sized flowers, long and very strong stems, magenta rose color and is very suitable for cutting purposes. Royal Dutch, S. C.. This variety bears many flowers, has good stems and besides beautifully shaped flowers with a particular bronze, amber and copper shade. Golden Bronze, D. A brilliant improvement upon Jersey's Glory. It has the same warm golden color as the last mentioned, yet its stem is much better and bears its flowers in a very fine way above the leaves. Pyrus, C. Also this flower excels in plentiful flowering and beautiful position of the flowers, which are medium sized and have a lively magenta-rose color. Corallina, S. C. This is surely one of the most beautiful varieties of this season, the flowers are large and have a characteristic stone red color. Also the stem and the attitude are quite right. Her Majesty, S. C. Has also many admirers, the medium sized flowers have a fine dark carmine red color and are gold tipped. The stems are long and strong. Gart Harry, D. An Australian, very fine specimen, which may be recommended in every respect, the plants are uniform of size, yield plenty of flowers, which are beautifully formed, all through the summer. The color is lively red. Maresciallo Balbo, D. Also this variety belongs to the most successful of this season. Are best described as a companion of Jane Cowl, the color is more bronze yellow, the flowers very large and of a uniform size, stems long and very strong. Andulka, D. Is best to be compared with Sindbad of the Sea, the color is lively orange red, blooms plentifully and here also the stems bear the flowers beautifully. Bad Elster, D. Belongs to the varieties which are exclusively used for bedding, the plenty of flowers is overwhelming, the flowers stand rather much above the leaves and have a lively salmon red color. Better Times, C. A fine name for a fine flower, is a pure cactus type with light lilac rose color and strong stems. Dokoupil's Triumph, S. C. Enormous flower with a fine form, strong stems and a good attitude. The color is a little faded, especially straw yellow. We wish Mr. Dokoupil much success with this kind, called after him. Daniel Bliss, C. A richly flowering garden plant with lilac rose flowers, very good stems and attitude. Galaxy, C. This variety has a very fine cactus form, which is always liked by connoisseurs.



Orange Bedder, one of the popular bedding and border varieties in Europe.

(Photo is through courtesy Mr. Carlee.)

(Continued on following page)

What's New in Europe—Continued

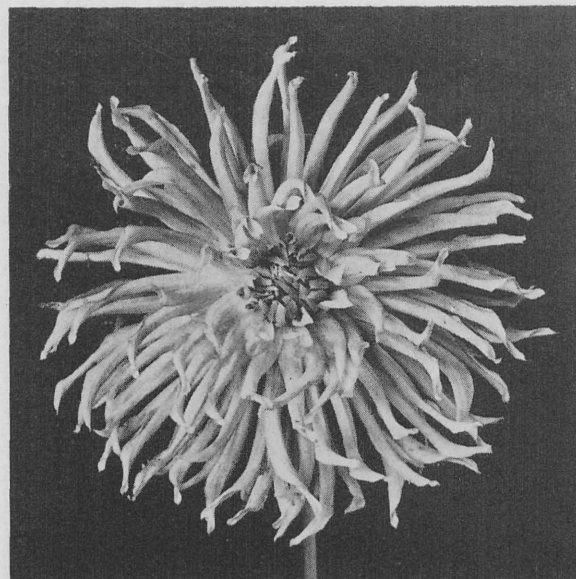
The stems are very strong. Flowers abundantly. Color red and yellow striped. Baby Royal has won the prize this year of the gold medal, which H. Carlee had offered for the best foreign specimen, which had been planted out in the trial gardens and the little one has deserved it indeed. It is a very nice and attractive kind, which may not be wanting in any collection. Golden Age, C. Though this variety was only exhibited a few times, I still want to mention it, so that you now already can take notice of it, as this variety is, in my opinion, one of the very finest kinds, which has been exhibited this last year. I have had the opportunity to admire the plant in full bloom and it was a marvel indeed, this dark pure gold yellow, very beautifully shaped, flower, shining a long distance above the leaves. Though the flowers were of normal size, you could already distinguish them at a great distance. They have to be planted out in 1934 in the trial gardens at Haarlem and it is to be hoped they will be prized there with the testimonial desired. If the omens are not deceptive then Golden Age will become one of the greatest successes of the coming season.

These are some of the principal European specimens, which have taken a special and foremost place in the trial gardens and at the several shows this year.

Many varieties have been introduced again from America and as it is with every one, who introduces new things, with more or less success. But one thing I don't understand at all, namely the description, which is given about the quality of the stems. Surely, when novelties are introduced, many circumstances may present themselves, which cause expectations, one has formed of a variety, to be often quite different from what have been looked for, but it is impossible that a very strong stem in America becomes weak in Holland or the reverse. For varieties such as: Jersey's Beauty, Jersey's Triumph, Jane Cowl, Eagle Rock Fantasy, F. T. D., Thomas Edison, The World, Satan, Shahrazad, Kaweah, etc., do not have weak stem here either, but what to say of varieties as Amelia Earhart, Aiko, Alex Graig, Champoege, Eshcol, Prince of Persia, Royal Flush, which all give stems that bear the flowers oftentimes most splendidly, but also at times give stems which are more or less bent, sometimes even rather weak, so that the often beautiful flowers don't show themselves to best advantage. This seems very disappointing and might have been avoided if, when describing the plant, people had given a faithful description of the stems.

Very fine were varieties as Satan. How is it possible that a lover of plants can give such a name to a flower. Surely, such like names have often been given to Dahlias, but this is not a reason to go on with it. Kaweah suffered a little this year in our climate from discoloring and burning, it is to be hoped that this is not the case in other countries for the flowering, attitude, shape and color are all all right. Sinbad of The Sea has also given much satisfaction, just as Full Moon, of this variety the stems are almost too substantial. Also Eagle Rock Wonder had much success. Notwithstanding that the form of Sanhican's Red Cap is so thickset and the flowers don't always rise above the leaves it is still a very fine variety, especially through its form and very fine color. Murphy's Masterpiece and Logan's Red no doubt belong to the very best varieties.

There were this year very few American varieties planted out in the trial gardens, only two specimens, namely La Fiesta and Kaweah. The former does not satisfy at all, the latter often had burned and faded flowers.



BETTER TIMES, Incurved Cactus

A favorite in Europe last year. Color is light rose. It is of true cactus type. Photo courtesy of Mr. Carlee.

The varieties which were exhibited this year for the first time were, namely, Amelia Earhart, Achievement, Myra Howard, Girl of Hillcrest, American Legion.

We hope to have an opportunity next year to refer to these varieties once more.

Some kinds may have been forgotten again, but this is only a short survey of the matter and we therefore think having you posted up again of some of the best European varieties. May I invite you once more to plant out your novelties again in the trial gardens of the "Nederlandsche Dahlia Vereeniging." You perhaps don't realize what a great advertisement it is for a new specimen. Do it now!

Finally I mention you twelve varietes which are, in my opinion, the best European kinds: Baby Royal, Ballego's Glory, Daily Mail, Doris J. Cooper, Ella Bruidegom, Grand Soleil d'or, Galaxy, Golden Age, Miss Belgium, Maresciallo Balbo, Royal White, Thomas Leavitt.

And the twelve best, old and new, American varieties are: Andrea Ericson, Donna California, Eagle Rock Fantasy, Eagle Rock Wonder, Jane Cowl, Murphy's Masterpiece, Thomas A. Edison, The World, Satan, Jersey's Beauty, New Glory and Kaweah.

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DAHLIAS IN ENGLAND 1933

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

American Dahlia lovers will be pleased to learn that there is no diminution in the great popularity of the flower in England. On the contrary, the Dahlia is now grown more widely than ever before and in spite of the

business depression in the spring nurserymen reported excellent sales of young plants of all the principal types. It is pleasing also to record a considerable increase of the membership of our National Dahlia Society.

In the early part of the season the weather conditions were by no means favorable to Dahlia culture as it was abnormally hot and dry. In my own district the drought commenced about the third week in June and continued until the middle of September. During that period there was no rainfall sufficient to penetrate beyond the surface of the soil. Growers who used the hoe and the watering can preserved the plants from the more serious effects of the drought, but in very many cases Dahlias were undoubtedly badly affected by the weather, particularly on light soils or where the ground had been insufficiently prepared.

From the middle of September welcome rains fell in most districts and the flowers responded well to the improved conditions and by the end of the month compared favorably with those in most other years. Over most of the country freedom from early frost allowed a prolonged flowering season and, taking the season as a whole, Dahlia growers had no reason for dissatisfaction. Even during that part of the season when they were adversely affected by the weather, Dahlias suffered much less seriously than did most other garden plants.

Our National Society's show was held on the fifth of September, which was earlier than usual. At that time the weather was still very warm and many people were away from town on holiday. Consequently, the show was somewhat less crowded by visitors than it was last year when we had a record attendance. The number of visitors could not, however, be considered unsatisfactory and it is a matter for congratulation that there was no decrease in the number of exhibitors.

Owing no doubt to the adverse weather conditions, the first prize exhibits of large blooms were hardly so fine as last year, but taking the show as a whole there was little, if any, falling away in the average quality and size of the flowers exhibited. There is evidence of an increase in the number of growers who cultivate the flower really well, particularly amongst amateurs who employ no assistance and who are able to grow only a limited number of plants. In this connection it may be mentioned that in the class open to small amateur growers only, for three large decorative blooms, there were eighteen exhibitors and many of the flowers shown would not have been out of place in the prize winning exhibits of any classes in the show.

Although there were numerous exhibits in the classes for cactus and miniature Dahlias, those for the large decorative varieties attracted the most attention from both the exhibitors and the public. The variety which was shown most frequently in the prize winning exhibits was *Daily Mail*, which was followed closely by *Jane Cowl*. A very fine example of the latter was awarded the medal offered for the best bloom in the classes from which the trade was excluded. Other varieties which were included in a considerable number of exhibits were *Charles G. Reed*, *Avis Cowdray*, *Croyden Beauty*, *Grace Curling* and *Mrs. F. V. Russell*. There were also some very fine flowers of the Californian variety, *Ivory*, and a perfectly formed bloom of this, large in diameter and also in depth, was awarded the medal as the best bloom in the open to all classes. Excellent also were several flowers of *Kathleen Norris*, although, in our country, this magnificent variety far too frequently comes with a weak stem. Another variety noteworthy in size and form was *The World*, but the color was unattractive. Outstanding was a vase of the new pink sport from *Daily Mail*, which was shown under the name of *Barton Mills*.

This variety has the same enormous size, perfect centers and stems, reliability and free-blooming characteristics as its parent and can hardly fail to become popular with lovers of giant blooms. The color is a pleasing shade of pink somewhat like that of *Grace Curling*.

The semi-cactus varieties have not yet received from exhibitors here the attention which their merits deserve. They are, however, becoming very popular with the ordinary Dahlia grower. The finest blooms in the classes for these varieties were *Frau O. Bracht*, *Goldene Sonne*, *Unicum* and *Schiller*. On one of the trade stands there were also some magnificent blooms of *Col. A. V. Ussher*, an outstanding deep yellow novelty of 1933. Other flowers of this type seen during the year, although not in evidence at the show, were *Altmark*, a new pale lavender pink of the very highest merit, and *Ella Bruidegom*, a rose shade of really exceptional beauty. *Paul Pfitzer* and *White Triumph* confirmed the high opinions formed of them last year. The last of this type that I will mention is *R. P. Rutherford*, an exceptionally large orange flower flushed with red, exhibited by *Mr. Stredwick*.

Returning to our consideration of the large decorative varieties, a number of others must be mentioned in addition to those which were prominent at our National show. *Lady Moyra Ponsonby* showed itself in my own garden to be of enormous size and the best of several yellow novelties of trans-Atlantic origin. Most promising also was *Rev. George Garner*, a new very deep yellow, English raised. *Croyden Beauty*, hitherto the best yellow, will have very strong rivals in these two varieties.

Of the various shades of red, there was again no finer variety than *Charles G. Reed*, which was invariably excellent. *Mabel Lawrence*, usually one of the very best with us, was disappointing this year, as was also *Bagdad*. The latter was very good indeed in 1932 but this year it developed a most decided weakness in the stem. We shall, however, try this variety again as its color is so fine. *D. B. Crane*, an orange scarlet distributed this spring, proved to be of very large size, but the color

was not particularly bright. It was better in 1932 and may improve in a more normal season. The American variety *Sultana*, which had not been grown here previously,—attracted a great deal of attention and was most promising. *Major Churcher*, a dark crimson of the very largest size, was considered by many growers to be the best of *Mr. Stredwick's* batch of seedlings.

The success of *Ivory* at our National show

(Continued on
page 32)



Mr. Drayson's small son holding a bloom of "*Daily Mail*" the largest English variety grown last season. Photo is courtesy Mr. Drayson.

Dahlia Forum and Exchange

A Department for Every Member of the Society

On Forcing Dahlias

I have a question for the Dahlia forum which I have had much discussion on. You hear of the Dahlias exhibited at the shows that are fourteen—sixteen inches in diameter. Many people say that the varieties grow naturally that large and other people say that they are "forced." I wish you would explain to me the truth of the matter. If they are "forced" I would like to know how it is done and what effect it has on the roots, etc. I would also like to know what is the largest Dahlia you have ever seen? How many inches in diameter was it?

Bob Simon, 315 Dickson St., Kirkwood, Mo.

Answer by Forum Conductor:

First we refer you to Dr. Connor's suggestions on "Subsequent Fertilizer Applications," page 13, April A. D. S. BULLETIN. Many exhibition Dahlias are "forced," not with concentrated nitrogen fertilizers after buds have set, but by permitting only one, two, three or four flowers to come to bloom on a plant. Where a grower has enough plants of a variety he or she wishes to show, they often pick all buds off but the crown bud at top of stalk, at least this is all they permit until the show bloom is cut. Other growers, and they are increasing, apply the nitrate of soda as Dr. Connors suggests, one and one-half level teaspoons to each hill at two week intervals before showing. But there is danger to the roots in such forcing. As W. H. Waite points out in his "Modern Dahlia Culture" when he says: "The roots of plants which have been heavily fed with rich nitrogen food will be found to be very poor keepers. The roots will be soft and will shrivel quickly. . . . Many stunted plants are caused by too much concentrated fertilizer having come in contact with the roots when they were young." So it is plain that it is up to the grower to decide what he or she wants to do, and where glory or the sacrifice is desirable. As to the largest bloom (diameter) I personally have seen; it was a Margaret Broomall at the trial grounds at Storrs, Connecticut. This bloom on the bush measured over sixteen inches in diameter. But others have told of bigger ones, and I have heard of many fish that were larger than any I have observed also.

On Small Dahlia Classifications

Would you kindly tell me to which groups in your new classification of the Dahlia (as given in American Home for September, 1930) the following types have been assigned: Mignon, Star, Tom Thumb, Peter Pan, the dwarf peony-flowered, charm and orchid flowering? Which, if any, of these are duplicates?

Where do Dahlia coronata, about which we have heard much of late, and other botanical species belong?

I note your fourteenth class is listed as taking care of

all "not otherwise provided for in classes I to XIII." What, for instance, does go here?

Have any further changes been made in your classification since 1930, and has the form proposed at that time been definitely accepted?

I shall be most grateful if you will be so generous as to answer this very full list of questions for me.

Claire Norton, 2833 West 25th Ave., Denver, Colo.

Conductors note:

The above questions were referred to Dr. Marshall A. Howe, chairman of the Nomenclature Committee and because these questions may be troubling other members we are glad to print Dr. Howe's answer which is both definite and interesting.

Your letter of November 14th, addressed to Secretary Alling of the American Dahlia Society, has been forwarded to me for reply. There has been a revision of the American classification of Dahlias since that to which you refer, and this revision has been officially approved and adopted by the American Dahlia Society. It was published in this BULLETIN for July, 1931, and for the third quarter of 1932.

The Mignon class is now recognized, being defined as having "Flowers similar in all respects to those of Single Dahlias, the plants not to exceed eighteen inches in height. For example, Coltness Gem."

The so-called "Orchid-flowering Dahlias" should perhaps be recognized as an independent class, but as the classification now stands, they would have to be considered to be Single Dahlias, or possibly the dwarf varieties as Mignons. Their flowers differ from those of the Singles only in having the margins of the rays turned inward, so as to expose both the front and back, or parts of them at the same time. There is an interesting bit of history connected with this group of Dahlias. There is nothing especially appropriate or descriptive about the name "Orchid-flowering" and it enjoys no priority except an English-language priority. According to Rivoire, this type of Dahlia originated in France and M. Martin, the introducer, in 1921, grouped them under the name of "Etoile aigoinaise," which Rivoire shortened to "Stella," the classic Latin word for "Star." Several of them, like "Etoile de Gouraud" and "Etoile de Petain" were named for French war heroes. When these varieties reached England, the group name was not translated but was fundamentally changed to "Orchid-flowering." Probably the English were restrained from translating the French name by the fact that "Star" was coming into use in Great Britain for small-flowered open-centered Cactus varieties.

The Star varieties of the British have rarely figured in American exhibitions. Under the existing American rules, they would have to be entered as Miniature Peony, Miniature Duplex, Miniature Cactus, or, rarely, as Singles.

The "Charm" varieties of the British commonly fall under Miniature Peony or Miniature Formal Decorative of the American classification, and the "Dwarf Peony-

flowered" would usually find a place under our Miniature Peony.

"Tom Thumb" is a name formerly applied to dwarf single Dahlias, such as are now known as Mignons.

"Peter Pan" Dahlias, under that name, at least, are unknown to me as applied to a group of Dahlia varieties.

Dahlia coronata is a name that has been given to a supposedly natural species from Mexico, cultivated since before 1908 in the gardens of continental Europe, but first adequately described by Sprague in the *Bulletin of Miscellaneous Information of the Royal Botanic Gardens, Kew*, in 1929. Like most of the native forms, it is clearly a Single. It has acquired a little fame as being a fragrant Dahlia, a characteristic that is observed now and then in open-centered flowers at the time of shedding their pollen.

A class for forms "not otherwise provided for" no longer exists. Perhaps new classes should be added or perhaps the Americans should follow the British in subdividing the various classes into large, medium, small and dwarf. (See BULLETIN American Dahlia Society, pages 20-22, July, 1933.) However, nature is always more flexible than man-made definitions and it is improbable that any classification can be devised that will fit satisfactorily every form that the protean Dahlias may produce.

Storage, Mulch Paper, Sulphur

While perusing the BULLETIN for November, which, by the way, is a very creditable showing, the thought came to my mind that fans as well as commercial growers might be interested in the following:

In an article appearing in the December, 1933, issue of *The Country Gentleman*, J. Sidney Cates records certain discoveries made by Dr. David Griffith, of the U. S. Department of Agriculture, in connection with the storage of bulbs. It seems Dr. Griffiths has determined that if the bulbs of lilies, bulbous iris, daffodils, jonquils, hyacinths, etc., are stored in a temperature of 50 degrees during the dormant period, they are ready to grow and bloom in a month when provided with growing temperature, whereas with a lower storage temperature such bulbs usually remain dormant until spring.

Perhaps a comparison between bulbs of the character mentioned and Dahlia roots is out of step, but it seems to me that if the dormant storage temperature of bulbs is such an important factor in their subsequent development, the same considerations might apply in a greater or less degree in the case of Dahlia roots. Most of us who have had experience with Dahlias, know that in many cases roots which are apparently in the pink of condition, with no outward evidence of disease, will produce only a stunted growth; and further, we have absorbed the abstract idea that certain chemical changes must take place during the dormant period in order that the roots may be properly primed for the subsequent growing season. If this latter is founded on fact, does it not necessarily follow that temperatures and humidity during the storage period will affect such changes. We are told that certain temperatures will produce satisfactory results, but this is a matter of controlling fungus which produces decay. Personally, I have not the facilities for a thorough test along these lines, but it would be interesting to know if there is any experience or data available.

It would be interesting to know if anyone has had any experience in connection with the use of mulch paper

for Dahlias. I have used it for other crops, and it certainly saves a lot of hard labor in the control of weeds. It also keeps the moisture in the ground, prevents baking, and holds the soil at a more uniform temperature; not so hot in the daytime and warmer at night. Furthermore, most crops grown under mulch paper are not so much affected by dry weather. One advantage in the use of this material is that it lessens the possibility of injury to new shoots and feeder roots by cultivation. It also lessens the possibility of cut worm damage. It might, to a considerable extent, offset the effects of a cold, wet spring. There may be some serious disadvantages which I do not appreciate, but it would be interesting to know if anyone has had the experience and the reaction.

The discussion regarding the use of sulphur might be supplemented with the following: The value of sulphur for the control of fungus diseases has been well established, the lime-sulphur dormant spray having been used for many years. To be effective, however, the sulphur must be combined with lime (chemically, poly-sulphides of calcium) and cannot be used on growing plants on account of injury to foliage. The use of sulphur in the control of insects either in or outside the soil would have little value as the amount required to be really effective would be all out of proportion to the benefit derived.

According to R. W. Thatcher, director of the New York State Experimental Stations (see *Chemistry in Agriculture*, 1927) sulphur is one of the eight elements which are essential to plant growth in all soils, and while its exact use is not known as a certainty, it apparently has some relation to the development of micro-organisms which utilize atmospheric nitrogen for their growth. In the same volume, G. S. Fraps, chief of the division of chemistry, Texas Experiment Station, states that certain soils, notably in the States of Oregon and Washington, are deficient in sulphur and that its addition in the form of gypsum will markedly increase yields of legumes.

Volcanic soils are the natural habitat of the Dahlia, and such soils are high in sulphur content. Some sandy soils are almost entirely devoid of plant foods and the addition of some of the other elements besides nitrogen, phosphorus and potash seems essential to best results. Soot, and particularly that derived from soft coal, contains sulphur.

Leon D. Layton, Hammondsport, N. Y.

Thank you, Mr. Layton, these authoritative and pertinent comments will be helpful to many of our readers. We hope that they will stimulate comment and exchange of ideas in this Dahlia Forum. If any reader can add to these ideas we hope they will speak freely.—Ye Conductor.

A Dahlia Fan's Reverie

"Ye Old Conductor," had a merry party at his quarterly meeting, although he was a month late, several prominent personages were present. In the beginning we find it was the Golden Rule to open the proceedings with the *Buckeye King*, as the — *Bride* was already well known, the king declared *Honour Bright*, that *Eleanor Roosevelt* and *Seth Parker* were in the *Spotlight*, and it was pointed out that *Harriet Neal* matched *Lord of Autumn* in *Oriental Glory*. The news soon spread that *Paul Pfitzer* and *Frau O'Bracht* had arrived

(Forum continued on page 38)

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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A. D. S. NEW YORK SHOW
DATES SEPTEMBER 20-21, 1934
Hotel Pennsylvania Ballroom
Reserve these dates

Editorial

Our President, Derrill Hart, asks you to get a new member for the A. D. S. Blanks for this purpose may be obtained from Secretary Alling, or you will find one on page 50 of this issue.

* * * *

In what new ways and places are Dahlias used for decorative purposes? Movie stars are appearing with them in "stills." Automobiles now and then are shown on an estate with Dahlias growing nearby. We want photographs showing artistic and unusual scenes using Dahlias as an important part of the composition.

Meet Dean Anderson on page 7. He is one of the finest, friendliest men it has ever been our pleasure to meet. He has a new vision of the practical side of Dahlias—a new use for their beauty.

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If Any Advertiser Misrepresents

It is decidedly to the interest of the A. D. S. that our readers get a square deal when they patronize advertisements placed in this BULLETIN. We receive a few complaints from customers but, when traced down, most of them are based on a misunderstanding. But we go on record now that if conclusive proof is brought to our attention that any BULLETIN advertiser willfully deceives our members or misrepresents his Dahlia in advertising herein we will refuse to publish any further ads from that grower. Most men are honest, and we believe all our advertisers will give you a square deal. If they don't, tell us, please, so we can protect other members.

New Variety Registrations

Application has been made, with the customary fee of \$1.00, to register the name of each of the varieties listed below.

If no prior rights exist and there is no valid objection voiced within a reasonable length of time, registration will be considered made.

PRINCETONIAN. Informal decorative. Amber yellow at center becoming orange vinaceous at tips and reverse. By I. M. Colvin, Princeton, Ind.

CITY OF CLEVELAND. Informal decorative. Scarlet red with a touch of nopal red making a splashed appearance. By Walter Bissell, Hillside Farm, Austintown, Ohio.

GOLDEN BRONZE. Semi-cactus. Blooms twice the size of Golden West, of similar coloring with frosted golden petals faintly tinged bronze. Center deep coppery bronze. By Carl Salbach, 657 Woodmont Avenue, Berkeley, Calif.

BUTTERCUP. Orchid flowering, deep lemon yellow.
CARLA. Miniature semi-cactus. Buff, shaded Old Rose.
JEAN. Miniature I. D. S. C. Apricot buff, suffused lilac rose.
MITZI. Collarette. Crimson carmine, edge white.
FOREST FIRE. Lemon yellow, tipped rich scarlet. I. D.
ALICE IN WONDERLAND. I. D. Frost salmon, edge bright rose.
JACK'S BEAN STALK. Pure rose pink.
BABY BEAUTY. Miniature F. D. Violet rose, shaded rose pink.
KENTUCKY BABE. Miniature F. D. Salmon, suffused old rose.
BABY BUNTING. Miniature S. C. or I. D. Violet rose with yellow shadings.
JACK. Pompon. Purple garnet.
JILL. Pompon. Lemon yellow, margin carmine.
By Dahliadel Nurseries, Vineland, N. J.

ANOTHER TRIAL GROUNDS

At East Lansing, Michigan

At the last meeting of the Executive Committee of the Michigan Society of Dahlians, where a Dahlia is a commercial and exhibition of equal score, or (84C-87E) where scores are different.

COLOR—Perfection in color will have to be determined by elimination. Ask yourself the following questions: Would a brighter shade enhance the flower? Would a softer tone be an asset? Do the colors or shades blend to advantage? Do the petals fade? If so, does it add to the beauty of the flower or detract? Does the color or shade add character or is it weak? Are the shades bright and clean, or smoky and dull? How will the flower show up under artificial light? For all

NEW QUALITY DA

As usual we have some exceptional New Dahlia in demand. Stocks will be limited when present can win with these Dahlias in fast company. It

MAN O' WAR. Score 86, Storrs, 1932. Informal Decorative. Color, carmine, ox-blood red at center. Fine exhibition or commercial. Cane stems. A winner. Originator, W. C. Boone.

Plants \$5.00 Roots \$10.00

The same charge will be made, \$3.00 for each variety tested, as is now made at Storrs.

Also it is being planned if feasible to effect an interchange of judges so that at least one or more judge will judge at both trial grounds in the same season.

It is felt that by the establishment of this mid-west trial grounds, Dahlias may be judged under varying conditions. But it does not follow that this will prove that a Dahlia which does well in one section will also thrive in all parts of the United States. If a grower wishes to thoroughly test his varieties, they should be sent to both trial grounds. If, later, other A. D. S. trial grounds in other sections of the U. S. qualify and are established, it would still be "safety first" to prove to future purchasers that a variety will be an outstanding winner in every soil, climate, and condition. The A. D. S. congratulates members of the Michigan society on their initiative and courage in undertaking this "labor of love" for the purpose of advancing the interest in the first American garden flower, the Dahlia.

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We Admit We're Not Perfect

In the last BULLETIN (November) in the report of the A. D. S. annual meeting, it was stated in error that Mrs. Earl P. Lollar was elected one of the vice-presidents. This should have been Mr. Earl P. Lollar, not the "Mrs."

We are glad to correct statement in caption, page 10, November BULLETIN, that Albert Parrella space was fifty feet at New York Show. Mr. Parrella's space occupied 100 square feet. He is a staunch supporter of the A. D. S. Shows and makes a fine display.



"Princetonian"

A Dahlia Worthy Of The Name

Colvin-Derring-Do

An Informal Decorative Dahlia with petals blended light-orange-yellow and coral-pink that twist and curl from an ideal center. A flower 8-11 inches (and without forcing) on a stem and neck that is perfection beyond improvement.

This Dahlia has:—color, size, color-stability, stem, neck, large-leaf, good bloomer, good root maker, good propagator and not "tricky" to grow. In short, a grand Dahlia without "Ballyhoo."

Note: This is the seedling that caused the crowd to gather and try to buy at the New York Show in 1932, but limited stock prevented its sale. It's regrettable that no picture was taken of the 30 bloom display of it in the Brooklyn Show last October. Suffice to state that they were like the one checked (✓) in the display-out of the 1933 folder.

Plants \$5.00

Roots \$10.00

I. M. COLVIN

Princeton, Ind.

DERRING-DO=DAHLIAS

Scotch Plains, N. J.

New Field and Show Score Card

Designed and Submitted by Warren M.
Maytrott for Testing, Correction and
Eventual A. D. S. Adoption.

After scoring at Storrs for two years and judging at the various shows as well as years of field judging, I felt the need of a new Score Card that could be used for field judging and in the exhibition room as well, and still be so simplified that the average judge or amateur might rightly use it. This scope is wide, but it is possible to arrange such a system of registering qualities and their relative values so that they may be easily understood by all.

In the one offered, you will find simplicity combined with sufficient relative comparisons to give an adequate score. General classes are divided into SMALL, COMMERCIAL, and EXHIBITION. SMALL includes all Dahlias 4 inches or under and also single, collarette, anemone, and orchid flowering varieties. COMMERCIAL (or cut flower) Dahlias are the varieties with size and form suitable for florists' use, colors must be clean, bright shades, keeping qualities outstanding after being cut. They must also be free bloomers in order to be profitable commercially. EXHIBITION (large type) Dahlias are those that will win in the show room, including

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Sanhican's Cameo

A new break in Dahlia coloring. A variety that will comply with the new scoring of the A. D. S. as to distinctiveness. If you cannot purchase all the new 1934 introductions do not fail to add either a root or a plant of this variety. For beauty it cannot be excelled. Exhibition size.

Sanhican's Sweetheart

New miniature introduction for 1934. Cactus type, apricot color, long stems, free bloomer, fine for exhibition and cutting.

Our 1934 catalogue is yours for the asking. Lists many collections that will give you large exhibition varieties at moderate prices.

FISHER & MASSON

BOX A

Sanhican Gardens

Trenton, New Jersey

Cactus, Decoratives, Ball, and Peony. A Dahlia may score as a COMMERCIAL and EXHIBITION as well. In fact, a number of varieties will.

In all cases, the Score should be followed by either S, C, or E, (85E or 87S) which will designate the classification used in scoring, or (86CE) where a Dahlia is a commercial and exhibition of equal score, or (84C-87E) where scores are different.

COLOR—Perfection in color will have to be determined by elimination. Ask yourself the following questions: Would a brighter shade enhance the flower? Would a softer tone be an asset? Do the colors or shades blend to advantage? Do the petals fade? If so, does it add to the beauty of the flower or detract? Does the color or shade add character or is it weak? Are the shades bright and clean, or smoky and dull? How will the flower show up under artificial light? For all

good qualities, hold to your 20; for all short-comings, deduct. After a little practice, this scoring will be much easier than it appears when first reading this discourse.

FORM—rests with such good qualities as *artistic, uniform, high centers* (on double Dahlias) *depth* in regard to completion of bloom or rounding out. Petals must be arranged in a pleasing manner from the center to the outer zone. Negative qualities include *ordinary, irregular, coarse, flat, low centers* (in double Dahlias), *not true to type*.

SIZE—is hard to govern by a yard stick as a Dahlia properly proportioned should be a basis of perfection to work from rather than inches. Our judgment at all times is based on relative comparisons. A Dahlia

(Continued on following page)

NEW QUALITY DAHLIAS for 1934

As usual we have some exceptional New Dahlia Varieties to offer—and they are already in demand. Stocks will be limited when present orders are filled. Please order early. You can win with these Dahlias in fast company. We speak from experience.

MAN O' WAR. Score 86, Storrs, 1932. Informal Decorative. Color, carmine, ox-blood red at center. Fine exhibition or commercial. Cane stems. A winner. Originator, W. C. Boone.

Plants \$5.00 Roots \$10.00

WOOLROC. Score 85, Storrs, 1932. Informal Decorative. Color, orange buff, reverse old rose. Won many firsts in east. Originated by Emory Jennings. Stock limited.

Plants \$5.00 Roots \$10.00

HARRIET NEAL. Informal Decorative. Winner at New York. Color, gold with buff shadings. A golden Marmion, but deeper. Good keeper. Great exhibition. Originated by D. Paul Wickersham.

Plants \$5.00 Roots \$10.00

LOIS MARION. Incurved Cactus. Score 85, Storrs. Citron yellow, outer rows shrimp pink. A beauty and big, too. Tall. Originated by L. R. Detjen.

Plants \$3.75 Roots \$7.50

THREE 1933 DAHLIAS YOU SHOULD GROW THIS YEAR

JANE DEW. The best pink informal since Kathleen Norris. Fine clear pink. It won wherever shown in the east and took first at New York in Class E, Open to All, Informal. It is a two year Honor Roll variety and you can win with it too.

Plants \$2.50 Roots \$5.00

PASTEL GLOW. Informal Decorative. Color, white with mallow purple reverse which shows through. In artificial light it is at its best. Very large.

Plants \$2.50 Roots \$5.00

THE SUN. Semi-Cactus. Clear sunlight yellow. When opening it is informal, changing to semi-cactus when ripe. Good stems.

Plants \$3.75 Roots \$7.50

All of our roots and plants are guaranteed to be true to name and to grow. Our reputation for fair dealing is worth a lot to us—and to you.

WRITE TODAY FOR CATALOGUE

SENT FREE ON REQUEST

RUSCHMOHR DAHLIA GARDENS

52 S. KENSINGTON AVENUE

ROCKVILLE CENTRE, L. I., N.Y.

New Field and Show Score Card—Continued

may be too large or too small for its stem foliage or bush, likewise for its container in arrangements. Therefore, judge size by proportion and balance rather than inches.

STEM—also should be judged the same as size. A stem should be large enough and long enough to hold the flower gracefully and far enough out of the foliage to balance and look well. A stem that is unusually weak, thin, clubby, too long, or too short, are all negative qualities.

FOLIAGE—Here again balance or proportion should be considered. Foliage that makes up an artistic bush, that is strong, leathery, insect and disease resistant, is ideal. Deduct from the score for the absence of these qualities.

SUBSTANCE—or keeping qualities in field judging is governed by the way the back petals hold up against the elements and do not shower, in bench judging condition of back petals and not showering.

FLORIFEROUSNESS—Here you will note but one set of figures. These are to be used to score Floriferousness in field judging or **UNIFORMITY** in bench or show room judging.

DISTINCTIVENESS in form or color—gives the judge a leeway to give credit to a Dahlia that is unusual either in form or color, a new shade, or an outstanding combination of colors, a new or unusual form. If a Dahlias possesses both, the full score of 5 where so indicated would not be too much credit.

The above score card and explanation is submitted to the American Dahlia Society at large for criticism

and suggestions. It is my hope that after final corrections, it will be approved by the A. D. S. as its official score card.

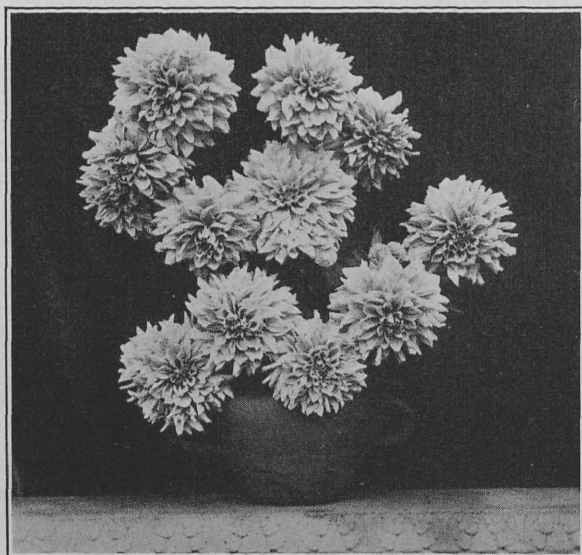
Editor's Note. Mr. Maytrott's score card is intended to cover both bench and field judging. The Sweeney score card which has been used at Storrs for several years, although never officially adopted, was arranged for field judging only. We publish this below for comparison. A slight innovation was tried in 1933 which worked out very successfully. Five points were added to the color section for distinctiveness. Five points were taken from size to compensate. Please send along your suggestions and criticisms. We need a score card which will cover both field and bench judging. Help us to draw up one which will be simple and workable so as to insure uniform judging throughout the country.

THE SWEENEY FIELD SCORE CARD

Used for Storrs Trial Ground Judging for the Past Four Years

(First Published in Bulletin July, 1929)

Color	15 total	basic 12 points
New shade		add 2
Artistic		add 1
Burn		deduct 2
Washy		deduct 2
Variegation		deduct 1
Stem	25 total	basic 15 points
Stem is judged base of ovary to first leaf bracts.		
Basic allows 8 inch stem.		
Each extra 5 inches		add 2



"Mary Elizabeth Redfern"

The Three Little Pompons in the picture tell better than words how big the Mary Elizabeth Redfern Dahlia is. This snapshot was taken October 1st—five weeks after the show. Bigness and closed centers continue to the end of the season.

"Mary Elizabeth Redfern"

Twelve-inch blooms of great depth, the color an exquisite shade of deep Orchid-Rose. In 1932 won first prize as best two-year-old Dahlia, and in 1933 first prize as best three-year-old Dahlia, at show of Dahlia Society of California.

Strong roots Price \$15.00

With the first 100 orders for Mary Elizabeth Redfern, we will include.

Free—A Root of "Seth Parker"

Our 1932 Roll of Honor Dahlia. By ordering now you will get two outstanding new Dahlias for the price usually asked for one.

Illustrated Price List on Request

CURTIS REDFERN

Lincoln Manor

San Francisco, California

Straight		add 2
Facing or top bloom		add 2
Crook neck		deduct 2
Branching, crochety		deduct 2
Undersize stem		deduct 5
Foliage	20 total	basic 14 points
Clean		add 2
Artistic		add 2
Resistant		add 2
Diseased		deduct 4
Sparseness		deduct 2
Coarseness		deduct 2
Form	20 total	basic 12 points
Form based on present A. D. S. rules		
standard varieties.		
Petal regularity		add 2
Artistic		add 2
Petal substance		add 2
New formation		add 2
Variable petalage		deduct 2
Blowing		deduct 2
Size	15 total	basic 12 points
Distinctiveness, Form and Color	5 total	
Average for type allow in basic figure.		
Cactus 3 inch.		
Dec. or S. C. 5 inch.		
Single 2 inch.		
For each 2 inches in diameter		
over average allow		add 2
For each 1 inch in depth		add 1
Deductions same		
basis for under size.		
Total 100 points.	Basic figure 65 points.	
	Certificate 85 points.	

Australian Would Like American Dahlias

104 Hawker Street,
Croydon, South Australia,
November 20, 1933.

American Dahlia Society, Inc.
The Secretary,

Dear Sir:

Having acquired the address of your Society, I take the liberty of writing you, asking that you inform reputable Dahlia growers of my desire to purchase up-to-date Dahlia tubers, suitable for our climatic and exhibition conditions. The climatic portion is warm to hot generally, a clear heat rising to 110° at times during the growing period reducing towards the flowering period to warm days and cool clear nights. The exhibition standard is similar to that used by your Society, judging by some American Dahlias that have arrived here in the past. (Eagle Rock Fantasy, Kathleen Norris, Mrs. A. B. Seal, Prince of Persia, Jane Cowl, F. W. Butler, Kaweah, and others.) There is also an opening for formal types if outstanding. I also desire information on that which we describe as "Charm Dahlias," known to you, I think, as miniature decoratives (must not have blooms of greater diameter than 4 inches). These are in three types as decoratives, formal, informal, and semi-cactus. I particularly desire to acquire more of the semi-cactus type.

I am growing Dahlias professionally and only require the latest Dahlias of outstanding merit. Would growers interested kindly forward catalogues as soon as available, and forward any literature on novelties of the past season.

(Continued on following page)

DON'T MISS

Our Rated Dahlia Book and Price List

More definite and valuable information about Dahlias is contained in its pages than can be found elsewhere.

The **Who's Who** in Dahlias is to be found in the roster of "**Golden Rule Aristocrats.**"

Our extensive acreage of Dahlias is grown on an open, exposed situation where only sturdy varieties survive.

The results obtained from our green plants will be a revelation to many. The stem and foliage may even be destroyed and yet perfect results are obtained. These plants are really pot clumps with a growing top. Try them and learn just how good they are.

GOLDEN RULE DAHLIA FARM

Established 1924

HARLEY T. PECK

LEBANON, OHIO

If you want the very finest, you will want the

"King of the Blacks"

Formal, Decorative DAHLIA of giant size, very free-blooming on long, stiff, natural stems without disbudding

Color is the darkest rich velvet red, almost black, and holds color in any weather

Bush is ideal; low and spreading, with flowers high above bush

On October 8, 1933, at the New York Botanical Gardens, it had received the second largest number of votes as to desirability, among more than 1,100 of the best Dahlias, grown there

Roots, \$10.00 each

Plants, after May 1st, \$5.00 each

Catalog listing 550 varieties Dahlias on request

Kunzman : New Albany, Ind.

Welcome to New Members

We are glad to welcome to the A. D. S. the many new members who have recently joined. We take it partly as a compliment to our improved BULLETIN that so many of you have decided that the membership in the A. D. S. is worth while. But we as editor can't take all the credit either. There is an awakened spirit in the society which is one of the most encouraging signs of the times. The depression was great while it lasted, for even calamities can cause some good. A new sense of values—and a new appreciation of the beautiful things of life has come to many of us. There are hosts of friendships made and cemented in our gardens, and if from adversity we have learned to love flowers better or to enjoy our home life more, then the experience has been worth a lot. So welcome, friends of the Dahlia. We will try to give a little more and be worthy of your trust and interest.

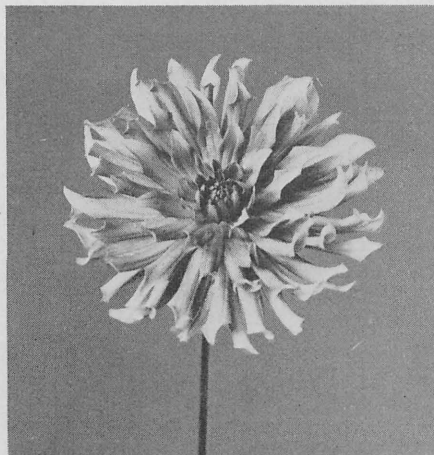
• • •

I presume your exhibitions have now concluded and that many excellent blooms were exhibited. Would you do me a personal favor, even as I expect you are a busy man, and write letting me know of which you consider in your opinion the best 12 Dahlias seen during the past season, placing them in order of merit as near as possible. Should you do this I would be very thankful as I would have something definite to assist me with selection other than the catalogue descriptions, which often boom a new variety that is probably not as good or no better than similar varieties of previous years.

Should any of your members be interested in several outstanding varieties that we have raised in Australia I would be pleased to give any information desired on them.

Thanking you in anticipation, I am yours faithfully,
R. H. Mountford.

What's New in Europe—Continued from Page 23



BABY ROYAL, Miniature

Originated in England by West, won British Nat. Soc. Gold Medal and is on Hart's 1933 Honor Roll. (Carlee)

(Continued from page 23)

has already been mentioned. It was good throughout the season and was invariably perfect in stem and center. It lasts well either on the plant or when cut. Eagle Rock Fantasy gave the largest flowers of the year—larger even than Daily Mail, but the biggest blooms were not quite perfect. This variety will, however, most certainly be grown here again, as its imperfections were not serious and may not be present in a more normal season. Some very fine flowers were seen of Shahrazad, but the color of this variety makes it necessary to exercise care when associating it with other varieties. During 1933 we saw some really fine flowers of Fort Monmouth and Thomas Edison, which hitherto have been disappointing here. Doubtless the hot season suited them better than the normal weather of our country.

Because of its handsome and unique coloring, the Continental variety Ballego's Glory has already become very popular here, although it is not of the largest size. Many other Continental novelties have been tried here, and three of the most outstanding are Thomas Leavitt, by reason of its very large size, President Martongin, because of its beautiful shade of pale lavender pink and large size, and D'Artagnan, because of its unique and beautiful coloring and general excellence.

American growers are aware that Australian Dahlia lovers have raised many new varieties, of which several have proved to be of outstanding merit. Of a number seen in this country for the first time in 1933, the following were noticed particularly: Margaret (deep mauve), Alice Hume (golden apricot), Maureen (old gold and terra-cotta).

Of the newer American varieties which had not been seen here before, the following were all very promising: Tacoma Beauty, Girl of Hillcrest, Achievement, Caprice, Betty Colter and Charles Garrity. A Canadian variety which attracted much attention because of the beauty of its coloring was Bouquet Rouge, which is of cactus form.

No review of Dahlias in England would be complete without a reference to the miniature flower varieties which are so popular here. Most growers of the giant varieties grow at least a few plants of the miniatures for

cutting and for general garden effect, and many gardeners grow them who do not care for the giants. Most of the earlier varieties were of the peony type, possibly because flowers of this type can so easily be raised from seed, but we also have a number of the decorative and of the semi-cactus types and their popularity has brought forth an ever-increasing number of varieties of all shades of color. Some varieties have the additional attraction of purplish lacinated foliage, but such varieties are usually less free flowering than those with the more usual foliage. It is gratifying to raisers in this country, to whom principally lies the credit for the development of these miniature types, that they are now becoming increasingly popular in America. We are interested that American growers are now raising their own miniatures, and an American variety, Teddy Johnson, was admired here last season because of its very beautiful coloring, although its form which is of the old ball type, is not for the moment fashionable in our country.

The smallest miniatures of all. I refer to the pompon Dahlias, are still fairly popular here, although some of the varieties now grown are those that were in general cultivation before the war. Recently we have seen the introduction of several varieties of the same form but somewhat larger than the pompons. These are very free flowering and have been found very useful for cutting and for market purposes. The largest flowered Dahlias of this form, the old show and fancy varieties, are still grown in many parts of the country and each year there are classes for them at our National show. As, however, they are invariably shown on boards with their stems cut short, the public has little opportunity of judging their usefulness. It may, however, be remarked that during the past season a number of people were attracted by flowers of this type when cut for the house.

Perhaps the day of the old-fashioned show and fancy Dahlia may return in England and in America too.

• • •

FROM OTHER SOCIETIES

News of Dahlia Happenings

•

Indiana Dahlia Society

With three prominent members appearing on the program at the mid-winter meeting of the Dahlia Society of Indiana on January 14th, held in the Hotel Washington in Indianapolis, diverse subjects were presented which were instructive and enjoyably received by the larger than usual attendance.

Harry G. Kennett of local pharmaceutical fame and an ardent suburban home gardener in discussing "Problems of the Amateur" related some of the disappointments and often discouraging conditions confronting beginners.

Fred Gresh of the Parkway Dahlia Garden, Zionsville, and originator of Zion's Pride, whose topic was "Dahlia Cuttings" explained his methods as used successfully over long period of years, by taking proper cuttings, setting or potting for proper root development and not the least importance, the careful planting.

(Continued on following page)

"PAUL PFITZER" (Berger) Str. Cac.

An Honor Roll Dahlia, that was the center of attraction at the recent New York Show, where it received the Special Award of Merit as the best basket of Dahlias in the show. A clean-cut, straight-petaled cactus, of deep formation. Color a pleasing combination of primrose and shell pink. Held high above the foliage on long, straight stiff stems.

The plant is ideal in every respect, robust in growth, of wide branching habit, of medium height, with thick heavy insect resistant foliage. A free and prolific bloomer, and as a cut flower will keep as long as any variety I know of. Have a limited number of roots for sale for immediate or later delivery, while they last.

Roots \$7.50 net

PARKWAY DAHLIA GARDENS

1012 East 178th Street
New York City, New York



PREMIER'S DEPENDABLE DAHLIAS

ALYCE MARIE GALVIN

(Galvin-Premier) White formal decorative flushed with faint tones of Cameo pink. Awarded Certificate of Merit at Storrs. Awarded first prize and special prize (silver medal) at Boston 1932. Also outstanding at New York Botanical Gardens.

Roots \$5.00 Plants \$2.50

PREMIER DAHLIA GARDENS

George H. Swezey

HILLSIDE, NEW JERSEY

Latest Honor Roll Dahlias — Catalog Free

FAIRY

Wouldn't you like to have a miniature Jersey Beauty, same lovely color and form?

ROOTS \$2.00 MAY 1ST PLANTS \$1.00

SUNBURST

Informal decorative, petals with coloring of the rising sun. Large flowers on perfect stems.

ROOTS \$5.00 PLANTS \$2.50

ROOTS
THAT PRODUCE

Kokomo Dahlia Gardens

KOKOMO, INDIANA

News from Other Societies—Continued

Smart new models in Dahlias introduced the past season were interestingly and some humorously described by Dr. W. E. Kennedy, Indianapolis, a recognized authority and member of Delight-U Garden organization.

Extensive plans for expansion of the society by organization efforts for district chapters in prominent and fertile communities in the state were discussed at length by the executive board. A committee including Carl M. Gray of Petersburg, Miss Jennie Tudor of Zionsville and Miss Eleanor Warren of Ft. Wayne was appointed to formulate plans for the program.

The resignation of Ralph C. Swartz as secretary of the society was tendered the board. Mr. Swartz explained his decision was inevitable as his recently added responsibilities at the printing establishment with which he is connected requires his whole hearted and undivided attention and that his own remaining spare time must be devoted to the ever increasing business of commercial Dahlia growing of Delight-U Gardens in which he holds a partnership. The executive committee sorrowfully accepted the resignation and adopting resolutions deploring the loss of his service but voicing sincere thanks and appreciation for his ever faithful and untiring efforts. F. T. McCurdy of Kokomo, president announces that no permanent successor has yet been appointed to fill the vacancy.

While plans for the 1934 show were discussed and Charles F. Meier of Greenwood appointed show manager, no date was decided upon but it was agreed that the show will again be held in Indianapolis.

Dahlia Society of California

At it's recent annual meeting the Dahlia Society of California elected the following officers for 1934: President, Curtis Redfern; Vice-President, Albert Harris; Second Vice-President, Mrs. Alice Meussdorffer; Honorary Vice-Presidents, Walwick S. Carpenter, Derrell W. Hart, Mrs. Charles H. Stout; Secretary, Glenn T. Mack, 173 Merced Avenue, San Francisco; Treasurer, Lloyd B. Sayers, Director Emeritus, John G. Wintjen. Directors: W. W. Blood, Lester G. Glasson, H. C. Haake, Charles White, Charles Lengeman, Mrs. A. L. McDonald, Mrs. H. C. Haake, H. von Issendorf. Correspondents please note Mr. Mack's new address, 173 Merced Avenue, San Francisco.

West Virginia Dahlia News

A series of regional meetings to be held under the auspices of the West Virginia Dahlia Society has been planned for the spring of 1934. The schedule of these meetings is as follows:

Grafton, April 5th, J. A. Keller in charge.

Philippi, April 6th, Mrs. Ben M. Wilson in charge.

Buckhannon, April 10th, Dr. C. E. Lauterback in charge.

Parkersburg, April 12th, Dr. E. W. Crooks in charge.

Morgantown, April 20th, S. E. Taylor in charge.

Fairmont, April 27th, Dr. A. B. Scott in charge.

Wheeling, (not yet dated), Dr. W. S. Webb in charge.

The program will be given over to talks and round table discussions of various phases of flower growing.

The discussions will not be limited to Dahlias. All members of the society should plan to attend the nearest meeting. Write to the person in charge. The meetings will be open to the public.

There will be a flower sale at each meeting. Members are donating plants, seeds and roots (flowers other than Dahlias included) for these sales. Proceeds of the sales will be used to pay some indebtedness of the society.

Oliver Shurtleff, Secretary-Treasurer,

The Central States Dahlia Society

On February 11, 1934, the members of the Central States Dahlia Society will celebrate the second anniversary of their organization by an election of officers and the adoption of a constitution and by-laws. Its present officers decline renominations, claiming that the strenuous two years in the preparation of the shows held in connection with the World's Fair should entitle them to temporary release from active participation for the coming year.

The society has a total membership of over 400 paid-up members and has ambitious plans to outdo its 1932 and 1933 flower shows, by staging a large and interesting Dahlia show at Garfield Park Conservatory, in September.

A Century of Progress Dahlia Show in 1934

Mr. Berlet, president of the Central States Dahlia Society, Chicago, Illinois, wants to call attention to the fact that the acre of ground on the Midway used in 1933 by his society as an outdoor Dahlia show, is available for Dahlia growing in 1934. The exposition executives will make a contract with any societies desiring to use the site for the same purpose. Arrangements can be made for the sale of roots upon the payment of a certain percentage. The Central States Dahlia Society may participate but will not assume full responsibility.

Dahlia Society of Southern California

On January 11, 1934, the Dahlia Society of Southern California held their annual election of the Board of Directors. The following is a list of the newly elected officers: President, Mr. Pieters; First Vice-President, Mr. Cordes; Second Vice-President, Mr. McNabb; Third Vice-President, Mr. Eierman; Secretary-Treasurer, Mr. Stephenson, 2318 Hill Street, Santa Monica, California.

Gladys L. Vernon.

The Dahlia Society of New England

The annual meeting of The Dahlia Society of New England was held at Horticultural Hall, Boston, Mass., November 5, 1933. The following new officers were elected: President, Orman P. Roach, 113 Empire Street, East Lynn, Mass.; Secretary, A. E. Thatcher, 23 Hamlet Street, Upham Corner, Mass.; Treasurer, Edgar W. Darling, 212 Washington Street, Fairhaven, Mass.; Vice-President, M. F. Heaphy, E. F. Simmons; Show Committee, Thomas Leavitt, A. E. Thatcher, Arthur M. French.

A. E. Thatcher, Secretary.

(Continued on following page)

CHING

We sincerely believe that the public is the best judge of a truly sensational cut flower. Informal decorative. Each petal is yellow on the back, and bright orange on the front, which twists gracefully giving it the appearance of many colors in one. It shows also a bright cerise and Chinese red which makes a glorified Geisha.

Customers paid twice as much for these flowers as for blooms of the day's winners, making it a profitable flower for you to sell.

Special price \$2.00 a root Six for \$10.00

Other choice varieties at attractive prices

FREE LIST

The Seven Acres

Stoneham

Massachusetts

LAWRENCE TIBBETT



1934 Introduction—Selected by the World Renowned Singer at the Dahlia Society of California Show in San Francisco, to bear his name. The color is a warm, glowing clear peach. Immense blooms, 12 to 14 inches, with splendid keeping qualities. Honor Roll Dahlia.

Roots \$25.00 (Net)

Plants \$12.50 (Net)

BELLATRIX

1934 Introduction—Another giant Informal Decorative of beautiful Autumn Coloring, and a greatly admired Dahlia. A most pleasing combination of yellow, buff and rose. It was not exhibited in the shows. Illustrated in my catalogue.

Roots \$15.00 (Net)

Twelve First Prizes in 1933 on our Dahlias

New Jersey Dahlia Society Medal for Best New Jersey Dahlias.

First Prize at the World's Fair in Chicago was awarded us on "KAWEAH" for the Largest Dahlia in the Show. Also Sweepstakes for the entire week of the Show.

\$7.50 per Root

CATALOGUE ON REQUEST

ALICE MEUSSDORFFER

Originator

487 HANOVER STREET

SAN FRANCISCO

CALIFORNIA

CHAMPIONS of the WORLD

More major awards won by our customers
in 1933 than originations from
all other sources

Read our travelogue in our catalog. Our organization is a friendly group. Our customers are treated as our friends. Any adjustments are made in a friendly way. Our friendly customers furnish data for all our advertising program. Our friends tell their friends of our fair dealings, our Wonder Dahlias, their pleasure in dealing with us. Read about the largest bloom ever grown. Read about the largest Dahlia to be grown in 1934. **We have IT.**

Our Success Dahlia family joins with me in inviting you to join the winners of 1934.

Our prices are reasonable, from 50 cents up. A catalog that is different awaits your call.

**BUY SUCCESS, OTHERS HAVE
WE SELL IT**

Success Dahlia Gardens

(Charles G. Reed, Prop.)

171 Ferry Street

Lawrence, Mass.

MINIATURES — MODERN SINGLES

Original Creations in New Dahlias

MINIATURES. The Little Darling Miniatures are a true miniature. Flowers 2" and under. Blooming with such dainty perfection that visitors at my field remark: "Are those really Dahlias?" Especially suitable for the modern decoration of the dining table.

Bulbs, labeled, 50c each. Unlabeled \$2.00 per dozen. Seed 50c per package

The Little Darling Miniatures always lead. The exquisite range of colors obtained from one package of seed would surprise you beyond imagination.

MODERN SINGLES. A new shape of Single Dahlia, meeting with an increasing popular favor and demand. You will be surprised and pleased with the way these modern Dahlias meet the requirements of home decorations. Described in my new folder.

**Bulbs from 50c to \$2.00 each
Seed \$1.00 per package**

Special price for your selection of one dozen new singles, alike or assorted.

POMPONS. Bulbs from 25c to 75c each; \$2.00 to \$3.00 per dozen. Seed \$1.00 per package.

ORCHID FLOWERING. You will want some of these novelties.

**Bulbs 50c each. Seed \$1.00 per package
One-half package 50c**

DOUBLE DAHLIAS. Which some of my customers are still calling for.

Each variety I offer is especially selected and grown for the cut flower trade at my Roadside Stand, assuring you, not only of charm in the garden but entire satisfaction.

GEO. L. STILLMAN, Dahlia Specialist

Box DB-34

WESTERLY, R. I.

News from Other Societies—Continued

Burholme Horticultural Society

At a meeting held Wednesday, December 20, 1933, the following gentlemen were elected to serve the Burholme Horticultural Society for the year 1934: President, Dr. Charles Rieger; Vice-Presidents: J. M. Corneal, Henry E. Millson, Robert Fordyce, George Parson; Secretary, Lewis G. Dietz; Treasurer, Charles Weegman; Research department, Henry E. Millson; Show superintendent, William O. Hird.

The society maintains a research department for the accommodation of its members under the able guidance of Mr. H. E. Millson. The department makes soil tests and solves garden troubles of all kinds in addition to publishing a quarterly Bulletin or garden guide for the members which is really worth having.

Lewis G. Dietz.

The Hagerstown Dahlia Society

The monthly meeting of the Hagerstown Dahlia Society, Hagerstown, Maryland, held December 11th. The following officers were elected for 1934: President, H. C. Kuhn; Vice-President, Mrs. Margaret C. McDaniels; Assistant Secretary, Mrs. W. H. Lewis; Treasurer, Charles W. Zahn; Secretary, H. K. Ramsburg, 57 Wayside Avenue; Executive Committee, Chairman, Walter S. Gibney, E. K. Mentzer, C. H. Landis, G. T. Starnier, Mrs. W. H. Downey, Mrs. H. K. Ramsburg, J. C. Knaub.

The society holds monthly meetings, with an average attendance of seventy-five per cent of its membership. After the business session of each meeting a social hour with refreshments is held. All minds are turned towards getting new members, and the increasing of its membership for 1934. None have lost sight of the annual Dahlia show to be held in September, which promises to be the biggest and best ever held.

H. K. Ramsburg, Secretary.

The Akron Dahlia Society, Inc.

The Akron Dahlia Society, Inc., has elected its new officers for the coming year and is planning on a bigger and better Dahlia show next fall.

It has not been decided on where the show will be held at and the date will be some time in the latter part of September or first part of October. They are hoping all Dahlia fans will help support this show whether members or not. The date and place will be announced later.

The new officers are: President, R. T. Dane, Akron, Ohio; First Vice-President, E. R. Hilton, Akron, Ohio; Second Vice-President, E. G. Brumbaugh, Akron, Ohio; Third Vice-President, C. W. Esch, Akron, Ohio; Secretary, L. H. Miller, Barberton, Ohio; Treasurer, W. H. Shanabrook, Akron, Ohio.

The Show Committee is composed of: chairman: W. H. Shanabrook, Akron, Ohio; L. H. Miller, Barberton, Ohio; F. C. Covan, Akron, Ohio; C. E. Benedict, Akron, Ohio; E. R. Hilton, Akron, Ohio; F. V. R. Viers, Canton, Ohio; Edward Nauman, Canton, Ohio; E. J. Wind, Rocky River, Ohio; Dayton Bond, Akron, Ohio; A. C. Dickens, Akron, Ohio; H. E. Shanabrook, Massillon, Ohio; C. W. Esch, Akron, Ohio; E. G. Brumbaugh, Akron, Ohio; Walter Bissell, Austintown, Ohio.

Lester H. Miller, Secretary.

R. E. Berlet Wishes to Correct Impression About World's Fair Planting

A very false impression was made by the insertion in the October issue of the Mid-West Dahlia News of a paragraph which read to the effect that "the least said about the outdoor Dahlia garden of the World's Fair Dahlia Exhibition at Chicago, in 1933, the better."

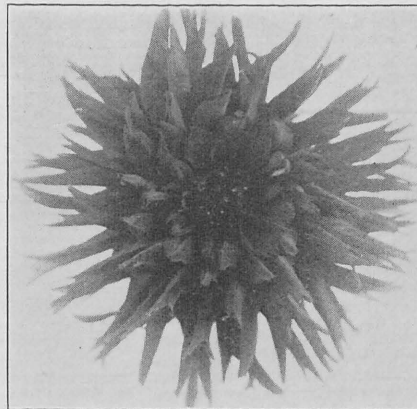
As founder and president of the Central States Dahlia Society under whose auspices the outdoor show was held, I want to publicly take exceptions and challenge this broad statement, coming as it does from a member of our own society and one who holds a position of importance by reason of being the publisher of a Dahlia publication mailed to hundreds of Dahlia growers in the mid-west and elsewhere.

The outdoor Dahlia gardens, like most other Dahlia gardens in all parts of the United States, with the possible exception of the Pacific coast, was subjected to the gruelling vagaries of weather unprecented in Dahlia history. From nearly everywhere complaints were heard and received that the prevailing heat and resultant droughts of the months of July and August had greatly retarded foliage growth and bloom formation, blighting the hopes of exhibitors. The situation was practically universal and evident in most localities. As for the outdoor Dahlia exhibit at the World's Fair, it was not so much harmful that the soil of the Dahlia beds were shallow and lacking in sufficient chemical elements to assure proper leaf growth and insect resistance, as it was the extreme heat, plus sulphuric gas blown by prevailing winds from a railroad roundhouse and smoking locomotives passing nearby.

My own private Dahlia bed of 32 plants in the World's Fair gardens, in spite of sufficient soil, special care, watering and cultivation and proper fertilization, was at no time in a different or better condition than the other 17 flower beds. In fact, all of the foliage of the shrubbery and plants throughout the exposition grounds were subjected likewise and showed retarded growth and impoverishment due to heat. And as the heat subsided the early part of October, the entire garden took new life and the weeks following October 6th to the close of the Fair on November 12th, the outdoor Dahlia garden was a mass of blooms.

The World's Fair Garden is a thing of the past. At its worst and best, it was a sincere effort on the part of some Chicago Dahlia enthusiasts and others to popularize Dahlia culture. Many thousands of people viewed the gardens, some with misgivings, some with sinister distrust and cynic criticism, others with great enthusiasm. It involved a lot of work and much sacrifice. It was an historical event. Its promoters were perhaps too optimistic. Coöperation of others was practically nil and the work was thrown on those who already had given much time and effort. The exposition executives are willing that we repeat the effort, either at the same spot or some other place on the grounds. Our society alone cannot shoulder another undertaking of this magnitude without great coöperation of others. The space of an acre or less is there for the asking. If commercial growers or Dahlia societies want to take advantage of the opportunity our society will aid in the formation of the project, but will not assume responsibility of the success of the effort.

R. E. Berlet, Pres. Central States Dahlia Society and Vice-Pres. A. D. S.



The Red Star

Semi-Cactus

Winner Certificate 1933

American Dahlia Society Trial Grounds
Tubers \$10.00 Plants \$5.00

Etherington Dahlia Gardens

Price list on request

Westwood, N. J.

NEW ENGLAND GLADIOLUS SOCIETY

1933 YEAR BOOK — 1934 YEAR BOOK

THE FISCHER COLOR CHART

ALL FREE

Free to new members sending one dollar (\$1.00) for membership and dues which pays until December 31, 1934.

These two books of about 400 pages in all have most complete articles on all phases of growing gladiolus and the best varieties.

A positive method of growing thrip free blooms.

Articles from Australian, English, Holland, German, Cuban, etc., growers as well as descriptions of many American growers' farms, gardens and varieties.

Culture, Exhibition, Storage, Hybridizing and many other topics are taken up.

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

Send one dollar for membership and receive the 1933 book and color chart at once and the 1934 book in February when printed.

A membership would make a fine present.

ADDRESS,

C. W. BROWN, *Secretary*

Box 245-D

Ashland, Massachusetts

I AM AGAIN OFFERING
DAHLIA SEED
 FROM MY GARDEN TO THE PUBLIC

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

Also a few of the older varieties which have proved themselves to be exceptionally good seed parents.

All my seed is ripened on the plant and is hand picked. The long Southern California growing season makes this possible.

I do not grow for cut flowers, therefore have no reason to force 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 our gardens where only high grade and proven varieties are grown.

A trial will convince you and will be appreciated. Seed ready in December-January.

\$4.00 per 100 seed

Trial Packet (25 seed) \$1.00

\$30.00 per 1,000 seed Seed in mixed packets

RICHARD W. PETRIE

P. O. Box 233

GARDENA

CALIFORNIA

Prices net. Cash to accompany order.

GIANTS of the DAHLIA WORLD

CLARA BARTON

for 1934

An immense informal decorative facing slightly upwards on a long, straight stem, 12 inches to first set of leaves. Face of petals silvery orchid; reverse of petals deep lavender, general affect lavender. Prolific bloomer that never stunts.

Roots \$10.00 Plants \$5.00

SONNY BOY

Our 1933 introduction that made such a wonderful showing the past season. Informal decorative of old rose slightly striped and tinged old gold, on a good stem. Grows over a foot across without fertilizer. Just what you want as it will grow larger than any other Dahlia without fertilizer.

Roots \$10.00 Plants \$5.00

GET THESE TWO GIANTS AND BE IN
 THE WINNINGS

SALEM DAHLIA GARDENS

SALEM

NEW JERSEY

Forum—Continued from Page 25

from Spitzenberg on the *Man O' War*, they informed us that on the way over they encountered the *Cadet* with *Elissa Landi* who was a picture of *Elegance*, at that time we found out that *Lois Marion* and *Laurance Tibbitt* had arrived from the former's home at *Woolroc*. The *Washington Giant* came in with a rush and said he was determined to upset the *King of Black's* designs on *Louisa Bates*, and the way *Amelia Earhart* upset *Murphy's Masterpiece* proved that she is a real *Grandee*. The small people were few in number but *Jean* with her *Bluebird* proved more attractive than *Carla* with her *Redhead*. But *Jack* and *Jill* were just a *Tweeny Weeny* bit jealous of the popularity of the latest arrival, *Baby Leroy*. The late comers who registered came in for quite a share of the crowd's attention, and it was proved that *Eleanor Bliss* was well up on the *Gold Standard*. *Mrs. Annetonette Basile* reigned as *Beauty Supreme*, although it was clear to most present that *King Supreme* was much taken up with the charms of *Eleanor Holm*. It was proved that *Bay State Beauty* wore a very expensive *Gay Feather* while on her visit to the *Grand Canyon*, and *Queen of the Air* proved her *Luster* was genuine at the *World's Progress* fair. It was left to *Madam Queen* and *Frank Serpa* to put over the *New Deal*, in spite of the resistance of the *Hillcrest* crowd, even after they called *Arcturus* to help them.

We hope the "Old Conductor" will pardon any reflection cast on his ability but hope that in future, that we have not to add with our congratulations, the caution of being late at the gathering.

Charles Garrity, 351 Maude Avenue,
 San Leandro, Cal.

On Maturing Your Own Seeds

It is due to my appreciation and interest in the experiences of others as given in the Dahlia Forum and Exchange that I relate some of my experiences with the Dahlia.

I might say in the beginning that I am only a back yard gardener, with but few years of experience with the Dahlia. However, I have been successful enough that many people from all parts of our little city have found their way to my garden.

I, like many others, find the keenest interest in seeing the new seedling unfold its petals for the first time, and of course it gives additional interest if one has, with God's assistance, produced that seed himself.

In the fall of 1931 I found many partially matured seed pods on almost all varieties in my garden, but as the pods were too green to stand the freeze that I knew was soon to come, as it was then the middle of November, I cut the plants at the ground level and carried them to the cellar, standing them upright in a corner. The fall had been dry and the foliage was firm. The seed matured and were taken out at odd times.

The fall of 1932 our Dahlias were killed October 5th, which was so early that we did not get enough open centered ones to pollenate, so got no seed even though I had cut them and carried them to the cellar as I had the previous year.

This past fall our Dahlias were not killed until November 5th. We had many open centered flowers, as a result of the late fall. While there was no matured seed in the garden, by following my previous practice, I matured seed from such varieties as *Jersey's Beacon*, *Jersey's Beauty*, *Avalon*, *Mrs. I. D. ver Warner*, *Thomas Edison*, *Fort Monmouth*, and many other varieties.

This season we had plenty of rain, and the plants were soft and green when cut, consequently some trouble was experienced with the foliage rotting. I believe the foliage or leaves should be removed before storing in this manner. It will make less muss, and prevent rot. Most of the stalks come out green, after the seed have matured, and are removed. Many fine flowers will come from seed thus produced, and add considerable interest to our hobby, the Dahlia.

William A. Gadberrry, 909 Olive St., Carthage, Mo.

Rabbits and Worms

I noticed in the BULLETIN where Mr. Thomas B. Bullitt asked you about rabbits eating his Dahlias. Well, I don't know much about your rabbits up there but I have a tame rabbit which is about three-quarter Jack and I feed him all my old Dahlia blooms and foliage and he eats them all if they are not to his neck what he would do if he got in to the Dahlia garden you can guess. One day he got out of the pen and ate up several feet of pasteboard. What do you think of that; and well I also discovered a striped worm which looked like a tiger this fall; he did not cut down the plants but he was a hog for blooms. He would eat holes in them and mess up the whole bloom. Never saw him before this season. I got four of them. They have a number of feet and cling like a leech and are about one inch and a half long. If this is like Mr. Bullitt's animal I don't know but it is the best I can do to help him out.

W. H. Koontz, Frederick, Maryland.

You Tell Him

Query from Wm. A. Gadberrry, Carthage, Mo.: I see in a notation in a catalogue that Jersey's Beauty is one of the sixteen best keepers. I would like to know what are the fifteen other best keepers.

Ye Conductor: This may raise some arguments. Its a matter of opinion—after Jersey Beauty has been placed at top of list, where it has won its position without any doubt whatever. Hope there are some varying opinions. That will be just dandy. And the editor will referee any fights in connection with the fracas.

Another query by Mr. Gadberrry:

What causes a Dahlia root to have a knotty or beady surface. This has been found on parnips also in this vicinity also this year.

I dug one clump of Thomas Edison which was entirely crusted in this manner. It produced a nice crop of blooms and plant appeared healthy. Please answer through the Forum.

Ye Conductor: The late Thomas Murphy of Peabody, Mass., used to insist that virus disease produced a yellow scale on stalks near surface of ground. But we have also observed scale on roots of healthy plants. We will probably be corrected by the sharpshooters of a scientific turn in our membership, but we are of the humble opinion that such scale or knots are caused by a parasite or worm, perhaps the common wire worm. But they also are noted on old second year roots—just a hoary old veteran of a root which gets woody.

Well, friends, tell us where we're wrong and give Mr. Gadberrry the lowdown.

(Continued on following page)

DAHLIA ROOTS and SEEDS

My catalog, free for the asking, ready now. Describing some of the latest introductions and Honor Roll varieties, such as Spotlight, R. A. Broomfield, Alyce Marie Galvin, Sarah Jane, and hundreds of others at the price to meet the time.

Do not overlook my super Dahlia seeds, which produces wonderful results. This statement could be proven by hundreds of testimonial letters received from satisfied customers.

SUPER DAHLIA SEEDS

PRICE—100 for \$5.00—50 for \$3.00

ALBERT PARRELLA

DAHLIA GARDENS

3380 ELY AVENUE

BRONX

NEW YORK

DAHLIA PLANT SPECIALS

VARIETIES WE RECOMMEND

Your choice of any five (5) plants for \$10.00 net, or you may select ten plants for \$18.50 net. Aiko, Cameo, Full Moon, Goodwill, Hillcrest Mandarin, La Fiesta, Long Hill, Murphy's Masterpiece, Ruby Taylor, Rudy Vallee, Satan, White Wonder.

Plants ready for shipment May 15th.

Wholesale and retail price list on request.

THE LASCH FLORAL GARDENS

1435 Dill Avenue

South Euclid, Ohio

STEELE'S DAHLIAS

FOR 1934

Just a few of the European Novelties for 1934: Miss Belgium (Cactus), Red Star (Cactus), Kareol (Cactus), Royal White (Dec.), and many others not mentioned here, fully described in our price list, now ready.

CHARLES STEELE'S

NURSERIES AND DAHLIA GARDENS

GREENWICH

CONNECTICUT

Please address all communications to

P. O. Box 75, Cos Cob, Connecticut

New BALLAY-SUCCESS Dahlias

By the originator of Satan, Palo Alto, Full Moon, Strongheart and Achievement

Two fine cactus varieties:

Elegance (yellow-coral) and **Cadet** (cream)
\$15.00 each

Three fine decoratives:

Eugenia Ballay (cream), **Dresden** (pink-lavender) and **Florentine** (mallow purple)
\$10.00 each

Also while it lasts, **Grandee**, the 15-inch light red and orange yellow decorative, \$15.00. Our stock of this giant Dahlia is just about sold out.

WRITE FOR COMPLETE CATALOGUE

Eastern Representative
SUCCESS DAHLIA GARDENS
Lawrence, Massachusetts

BALLAY DAHLIA GARDENS
PALO ALTO CALIFORNIA

WALLACE McILHANY

218 Bradbury Drive
SAN GABRIEL CALIFORNIA

SPECIAL ON SEED

Satan Parentage 100 seed \$5.00 net
Mae West, Elissa Landi, Amelia Earhart,
Satan, White Wonder, La Fiesta Mixture
100 seeds \$5.00

Miniature Seed 100 seed \$2.50

Poms 100 seed \$1.00

SEND FOR CATALOG LISTING MY
SELECTION OF THE TEN BEST 1934

"SOUTHERN CALIFORNIA BRED DAHLIAS"

MARIE DRESSLER

THIS YEAR'S SENSATION IN THE WEST

Roots \$15.00 Plants \$7.50

MANY OTHERS

Write for catalog with photographs and descriptions of our 1934 originations.

We want your name on our mailing list.

VERNON FLORAL COMPANY

3818 JUNE STREET
INGLEWOOD CALIFORNIA

Dahlia Club of Indianapolis Honor Roll

I am enclosing a copy of our annual symposium which I thought you might like to print—part or all as you see fit.

Would like to say that the Dahlia Club of Indianapolis is composed of a real "bunch" of live wires. They were the power behind the throne that made the Dahlia Society of Indiana. Today the best growers in the State are members. The Club prides itself in the fact that it grows more new varieties than any other group or individual in Indiana and probably any other State.

These boasts are made for the club and not for the individual. The club are Dahlia lovers first, last and always. There are amateur and commercial growers both in this organization. The present officers are: President, D. R. Curtis; Vice-President, N. R. Hemphill; Secretary and Treasurer, E. C. Zaring; Pub. Man., C. S. White. Success to the Dahlia BULLETIN for 1934.

E. C. Zaring, Secretary-Treasurer.

The Dahlia Club of Indianapolis Dahlia Symposium

POSITION		VOTES
1	Kathleen Norris	10
2	Murphy's Masterpiece	10
3	Satan	9
4	Amelia Earhart	9
5	Frau O'Bracht	8
6	Jane Cowl	6
7	Oriental Glory	6
8	Monmouth Champion	4
9	Palo Alto	4
10	Lady Moyra Ponsonby	4
11	Kemp's Violet Wonder	4
12	Josephine G.	3
13	American Legion	3
14	The Commodore	3
	11 received 2 votes each.	
	15 others 1 vote each.	

Too Many Official Honor Rolls?

From E. C. Zoring, Secretary Dahlia Club of Indianapolis:

"We take this opportunity to notify the American Dahlia Society that our club is heartily in favor of the National Society selecting an honor roll each year from the New Varieties. We are convinced that this job will eventually be one for the A. D. S. and should be, even now. We feel that the future of the Dahlia depends considerably on a reliable, honest and practical Honor Roll. To us the very sponsors and boosters of the 'Honor Roll System' should be the officers of the American Dahlia Society."

Answer by the Editor:

The A. D. S. is at present, and has for fourteen years conducted tests under competent judges at the Trial Grounds at Storrs, Conn., to determine, as fairly as possible, what new Dahlias of the year are exceptionally worthy. Judging is done by a carefully developed and checked set of scoring points. This method is the most certain method that we have so far evolved for making an honor roll.

Of course, we might adopt a voting contest, similar to the symposium which you conducted in Indiana this year. It is similar to the method used in selecting All American Football teams. Of course, it would be necessary to prohibit any person participating from voting for his own introductions. But what would such a scheme prove, more than our Trial Grounds now show?

It is true that by such a popular vote older varieties could be shown to have established themselves with the public. And it is just possible that our readers would like to have such a voting contest. If so, we would like to know about it. It would be impossible to do this on first year varieties because they would not be well enough known. Another method might be to appoint a board of judges from those who judge at trial grounds and at shows to report their scores (all made on an adopted, universal score card) to the A. D. S. Then the percentages for each variety could be worked out and the list published with the average scores.

If it is the will of the majority of our members that this Society build a list or several of the favored varieties, new and old, beyond what is proved by the Trial Grounds at Storrs and at the New Midwest Garden at Lansing, Mich., then we will devise the method and carry it through. Let's hear from others on this subject.

But don't overlook the fact that there can be confusion in having a multiplicity of Honor Rolls. Mr. Hart, our President, has chosen an Honor Roll which has been proven by percentages of Dahlias which have succeeded, to be pretty accurate. In this issue, by permission, we reprint his selections complete for 1933. It is true that this is a more embrasive list than the one published in the American Home December issue, but we would not wish to usurp any of the prerogatives of our President—and after all, he was the originator of the Dahlia Honor Roll.

The Berlet Dahlia Foundation

In view of the many inquiries received by me for particulars relative to the objects of the Berlet Dahlia Foundation advertised in the souvenir edition of the World's Fair Dahlia News, permit me space to publicly state that this organization will neither buy nor sell Dahlia roots or seeds and will not issue a catalogue. Its purposes are solely to further public interest in Dahlia culture and in aiding new societies in the mid-west. It will also seriously attempt to induce public park officials to grow Dahlias (perhaps only miniatures and poms) as part of the flower gardens; it will solicit donations of surplus Dahlia roots of the price level of old and standard varieties such as Jane Cowl and Jersey Beauty and will distribute free (except a small service charge to cover postage) such Dahlia roots in quantities not to exceed one root each of the above two different varieties, but only to persons who are known to have a real flower garden and take a genuine interest in the same. In this manner it is hoped to materially increase interest and membership.

The 1934 program is to distribute 500 each of Jane Cowl, Jersey Beauty and a pom to 500 growers residing in the Chicago area, and also assist in the formation of Dahlia societies in the mid-west. Coöperation invited.

R. E. Berlet, 3065 Lincoln Ave., Chicago.

(Continued on following page)

MILESTONES

At rare intervals a new Dahlia appears that is to stand out as a milestone along the road of Dahlia progress.

Few varieties have qualified to join this small, select group but those that have proved worthy are seen wherever Dahlias are grown. They are not popular today and forgotten tomorrow, but remain constant favorites at every Autumn Show and retain their place of honor in every garden.

The growing of these varieties constitutes the backbone of the business of many professional growers and becomes the main support of the little wayside garden as well as of the large Dahlia farm.

We are pleased to present **Golden Eclipse**—a Dahlia of proved merit and an outstanding candidate to this select group.

Send for illustrated folder with descriptions and prices of **Golden Eclipse** and other new varieties.

BADETTY BROTHERS

Huntington Dahlia Gardens

40 Prospect Street Huntington, New York

ALLING'S

Our Price List will give information about many of the old standard sorts as well as the new Honor Roll introductions.

Send for it.

C. LOUIS ALLING

251 B. Court Street, West Haven, Conn.

DAHLIAS

CACTUS DAHLIA SEEDS

Grade A Selected Strain

Gathered from outstanding new Cactus exclusively
25 seed \$1.00 60 seeds \$2.00 100 seeds \$3.00

Orchid Flowered Dahlia Seed

Grown in France by the well known originator of Rivoire. This seed is genuine and very select bearing Mr. Rivoire's personal guarantee.

50 cents per packet of over 100 seed

Sole Distributor for America

LOUIS E. BEDARD

2217 Danforth Avenue Toronto, Canada

Have You Secured Your Lord of Autumn, I. D.

You don't want to miss the *Super Dahlia* of all time.

ROOTS (limited) \$20.00

PLANTS ONLY \$7.50

Also plants (and in most cases *Roots*) of *Honor Roll* and *outstanding varieties* for 1934.

CATALOGUE UPON REQUEST

Almy's Supreme Dahlias

F. W. C. Almy

Box D

TIVERTON 4 CORNERS RHODE ISLAND

BE IN THE SPOTLIGHT

Grow "SPOTLIGHT," a new informal decorative of a delightful clear Sulphur Yellow.

Winner of American Home Achievement Medal at Seattle. First and Sweepstakes at Tacoma, and on the 1933 Roll of Honor.

Roots \$10.00 Net Plants \$5.00

Send for folder—Catalogue of DESIRABLE DAHLIAS awaits your call.

J. E. HULIN

COTTAGE GROVE DAHLIA GARDENS

5964 24th Avenue S. W.

Seattle, Wash.

Washington Giant—1933 Achievement Medal winner. Outstanding Honor Roll variety. Prices net. Roots \$10.00. Plants \$5.00. **Teeny Weeny**—Smallest Dahlia in the world. Awarded Silver Medal. Roots \$2.00; 3 for \$5.00 net. **Spotlight, Robin Adair, Air Mail, Flaming Sunset, Giant Glory of Dawn, Lady Moyra Ponsonby**, and other outstanding Dahlias listed in our Catalog ready now.

LEE'S DAHLIA GARDENS, *Oldest in the State*
R. 5, University Place Tacoma, Washington

When you patronize BULLETIN advertisers
please tell them so

Forum—Continued

Judging and Classifying Types

A Plea for Adoption of Standard Scoring System Such As That Shown On Page 30 This Issue

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

I note what Mr. Webb had to say about a standard for judging Dahlias at the Shows, and I have felt for a long time that this is something that we need very badly.

And I believe that a Score Card could be worked out very nicely, that would be a real help in judging.

I have helped judge in Shows for many years, and find that many with whom I have worked have decided preference for certain colors, types, etc., and I believe that a Score Card would help to overcome this to at least some extent.

Size, perfection of bloom, stems are the most important points, foliage, color, and form next in importance in my opinion.

When we mention size it does not always mean the largest size should win, for in the Pompon type it should be the smallest perfect bloom. So when we say size we mean the perfect size for the type being judged. Perfection of bloom is always important, for if the type should have closed centers an open center would disqualify it even though it was larger in size, providing the smaller bloom with closed center had other high points, such as good stems, true to type, good foliage, etc., it should win above the larger bloom with open center. I have heard many criticisms at the Shows made by people who were looking the prize winners over and could not understand why the large bloom did not win, for they did not understand that the open center would count points against it. If we judge our blooms before we enter them at a Show, to see if they have perfect centers, are good size for the type, good, long upright stems, good foliage, good form, etc., also be sure it is true to type, and we are sure there will be less disappointments in our entries for the prizes.

There are a number of varieties at the present time which are cataloged in one catalog as one type while another will have it classified as another type and this causes a great deal of trouble at the Shows, for both those entering and the judges as well.

We will take the Ambassador for an example: this variety always grows semi-cactus for us, a rather fine petaled semi-cactus we will admit but never-the-less it cannot be called a cactus for when compared with true cactus, it is decidedly semi-cactus and so we are forced to list it as semi-cactus and we note there are a number of other growers who list it the same way.

But we note that the committee on classification for the American Dahlia Society were all eastern Growers and they even took it for an example of straight cactus, so it evidently grows different with them than it does with us and the others who catalog it as semi-cactus.

Now this is the only one variety and we have perhaps 25 varieties or more that seem to grow different in type under different cultivation and soil. I have given this matter quite a bit of thought and I believe that the fairest way to settle this class of the two types, would be to have the Growers from all parts of the

DAHLIAS DAHLIA SEEDS

Send for catalogue, listing the best of these beautiful flowers.

H. R. S.

Seal's new Roll of Honor Dahlia

A magnificent yellow with extra long petals. *A Dahlia of distinction.*

Also the gay and cheerful

DIXIE RAVENSCROFT

You need these in your garden

JESSIE L. SEAL

605 THIRD AVENUE

SAN FRANCISCO

CALIFORNIA



FRASER'S TESTED DAHLIAS FOR 1934

HEATHERBLOOM, I. Dec. Rosy purple with white suffusions. A distinct novelty. Resembles a "Mum."

MRS. AUSTIN D. BOSS, F. Dec. Medium sized bloom of delicate flesh pink. A beauty.

CITY OF ROYAL OAK (White-Reynolds), Semi Cactus. Russet-salmon with deep rose flush. First Prize

Best Semi-Cactus seedling, Detroit Dahlia Show, 1933. Roll of Honor 1933.

ALLEN A. (Angel), I. Dec. One of the most beautiful Dahlias of today. Ivory-white with lilac suffusions.

Send for 1934 price list of tested Dahlias

FRASER'S DAHLIA GARDENS

George W. Fraser

WILLIMANTIC, CONN.

BABYLON DAHLIA GARDENS

PATRICIAN DAHLIAS

"On the Sunrise Trail"

Babylon, L. I., N. Y.

"Specialists to the trade only"

We carry a very large stock. We have the best of the old and the best of the newer varieties in plants and roots in quantity. Our list is very complete.

Be sure and send for our new wholesale catalogue for 1934.

Country send in a list of these varieties and state class they think they should be placed.

I think perhaps it would be best to see these varieties in bloom next summer and make our lists while we can see the blooms so we will not have to take only our memory, for we wish to do our best with them. Then all lists should be sent in by October 1st to the A. D. S. BULLETIN who will have a committee to check the lists and give us the results. The type getting the largest number of votes to be its real type and to be catalogued by all Growers as this type.

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

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Dahlia Shows Are Improving

BY CURTIS REDFERN, SAN FRANCISCO, CALIFORNIA

There was a time when the annual shows of The Dahlia Society of California were little more than trade fairs. Most of the exhibits were by professionals who brought their crates of fine flowers to the show and turned them over to florist decorators. The effects achieved were striking, usually beautiful, and made excellent backgrounds for the bevy of beautiful girls brought by the publicity manager's photographer who wanted pictures for the newspapers. In making these photographs he always took great care to see that there was a generous supply of legs even if the flowers had to be practically eliminated from the picture.

Either out in the hallway or in some otherwise unused nook there would be three or four exhibits put on by amateurs. In these out of the way, usually poorly lighted places, these amateurs benched their flowers. Their entries were very uninteresting calling as they did for individual blooms robbed of the stems nature provided them with, and no entries provided for vase or basket arrangements.

In the last seven years this has all been changed. The amateurs were brought into the main exhibition hall, given all the space they required, often more than they could use when the day of the show came, and the schedule gradually changed from practically all flat-work entries until now our amateurs not only have an opportunity to show their wonderfully grown flowers but to arrange them to the best advantage, that is, decoratively.

It is the rule at our recent shows for six or seven to compete for a prize where formerly judges were often told by the clerk "there's but one entry, but you had better give him a first, anyway."

It's a hollow honor this receiving a blue ribbon with no one else competing for it. On the other hand when one wins a blue ribbon against a field of six or seven other amateurs the win means something.

We have encouraged our exhibitors to show in as many classes as possible by scoring wins with points, the exhibitor getting the largest number automatically winning the sweepstake in his section.

In former years just complaint was often made that so and so had a big advantage and always won because she or he had a larger number of plants to draw upon for flowers at show time. This has been changed—we divide the amateurs into two groups, the first, the Advanced Amateurs, are those with more than one hundred clumps of large varieties and the Amateurs are those who grow

(Continued to following page)

"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 1934. Trade list sent only to commercial dealers.

RETAIL AND WHOLESALE

WM. C. NOONAN, Proprietor

HICKSVILLE LONG ISLAND, N. Y.

Mastick

CATALOGUE
ON REQUEST

ROBIN ADAIR

Giant Informal Decorative of deep glistening gold with reverse and center reddish bronze, held erect by strong stems on sturdy bushes whose leathery foliage is immune from insects.

Winner of American Home Achievement Medal in 1932 and was considered by Mr. Mastick his Masterpiece.

M. G. TYLER

7830 NORTH DENVER AVENUE
PORTLAND OREGON

HONOR ROLL DAHLIA PLANTS

Our list shows prices that are RIGHT
Wholesale-Retail State Inspected

GENEVA DAHLIA GARDENS

Geneva Ohio

DIXIE DAHLIA GARDEN

Offers

Dixie originations and the World's worth
while Dahlias

1101 Lawrence Avenue Nashville, Tenn.

Dahlia Shows Are Improving—Continued

a lesser number. This has proved a happy solution of the old difficulty.

At our 1932 show we had about sixteen amateurs and their exhibits were fine from every standpoint. They have learned how to arrange their flowers in baskets, vases and bowls. They have also learned to use only the simplest backgrounds and very little garnishment such as ribbons and greens—it is their Dahlia blooms that the judges are interested in and it has been proved that a neutral or subdued colored background sets off their flowers better than a background with brilliant colors or with distracting designs.

At our recent show one of our amateurs for a background used three panels covered with black crepe paper bordered with a narrow band of dull gold. Before each panel was placed a shadow-box picture frame, the recess lined with black velvet and lighted by an electric light so placed in the upper part of the box that it could not be seen. In each of these frames an arrangement of pompons in low bowls was placed. The rest of the exhibit table was utilized to advantage by placing vases and bowls of flowers so that no arrangement crowded its neighbor. The effect approached perfection. Perfect flowers staged in such a way that their perfection was apparent to all who saw them. First and foremost it was a display of Dahlias. Any arrangement could have been used in the home. There was no striving for bizarre effects. I doubt if the exhibitor spent \$5.00 in setting up this 30-foot exhibit, and yet the judges were unanimous in awarding it first prize as the most artistic exhibit in his group.

Our professionals have practically eliminated single flower exhibits; their flowers are used to make large basket and vase arrangements adding a massiveness in the show room not possible on the amateur's table. This willingness of theirs to work for the good of the show as a whole is a refreshing change from the old days when the professionals demanded the lion's share of the best space, dictated schedules and policies of the show to the end that they would receive most of the publicity and a majority of the prizes, usually money prizes from a non-too-healthy society purse.

The writer has had the honor and privilege of serving the Dahlia Society of California as its president during four years and the enthusiastic coöperation and support given him in bringing the shows back into their native amateur atmosphere with plenty of good sportsmanship and friendly competition have more than repaid for the work involved.

• • •

Will There Be a Super Dahlia?

By ALBERT PARRELLA, BRONX, N. Y.

Much has been accomplished in the last ten years by the lovers, friends and followers in their effort to grow the Super Dahlia. In the flower world some say the perfect Dahlia has been grown, but the flower shows, and the Dahlia gardens year after year show the Dahlia has not reached its peak. Compare the Jersey Beauty, Jersey Beacon, Rose Fallon, Elite Glory, Jane Cowl, Ambassador and others alongside of these fine varieties. The fine newer varieties such as Kathleen Norris, American Legion, Eagle Rock Fantasy, Dwight W. Morrow, Kaweah, Satan, William J. Rathgeber, a Murphy Masterpiece, Achievement, Margaret E. Broomall and

many other outstanding varieties which space will not permit mentioning.

We are thrilled as we cast our eyes upon the beauty of these outstanding flower giants, and wonder if it is possible to create any more, more wonderful in size and beauty. The Super Dahlia has not been grown so the answer of course is—shall our present efforts be continued? During the last decade no one would have dreamed of passing from such stages of the old varieties to the sublime of those of the present day. With the success of the past Dahlia growers will not be content to sit idly by and admire what they have created, but will strive to grow better and more beautiful flowers. Their future success will be insured because of the knowledge gained by using seeds of the finest and best varieties.

In order to produce better Dahlias we must have at our disposal good seeds to work with and these we know are only acquired after careful growing and selection. All outstanding and full blossomed flowers give few, if any, seeds. They come late in season, that is, in the later blooms. My advice is—select seeds from the best varieties acquirable. This I have learned from years of personal experimenting in my own garden. More satisfaction is derived from planting and growing 100 Grade A seeds than from 1,000 common seeds, and this practice becomes cheaper and gives an element of satisfaction in the long run. Only by growing better quality seeds can we have success in producing a better Dahlia.

The Super Dahlia must possess the following characteristics: quality, symmetrical formation, beauty, large size, attractiveness and having the ability to retain its original fineness after cutting. Not all Dahlias must of necessity be giants. A medium sized flower with a fine long stem and good keeping quality is commercially very much in demand. Bear in mind that in order to produce an outstanding Dahlia today you must have something different and better than what is ordinarily found on the market and anything that doesn't conform to the following requirements isn't worth while growing. The bush must grow tall, foliage is to be leathery, the plant must have insect resistance, it must be free blooming and possessing a long and strong stem, full center flowers from the season's beginning to the end, perfect petals that won't curl and turn in the hot sun. It is not impossible today to grow the Super Dahlia; if the proper effort is applied we should succeed.

• • •

What Can Be Done to Make Dahlia Blooms Last

By H. J. GRANT, SALEM, MASS.

It seems to me that this is the proper time to discuss the Dahlia, its strong points, its weak ones. To my mind there is one great single factor in holding the Dahlia back. Dahlia growing is my chief hobby. I have made it my business to follow up the various exhibitions and Dahlia shows for the past several years. And the thing that impresses me the most is the fact that in any show nine times out of ten the Dahlia blooms are the first to go. Let the circulation of air be bad or a little warm and the Dahlias are gone in no time. On the opening day of a Dahlia show I honestly believe there is no sight in the world more calculated to take ones breath away and use up all the adjectives in the dictionary than the sight of a big hall

(Continued to following page)

The Most Beautiful Catalog In The World

featuring

The Sensational White Dahlia "Eleanor Roosevelt"

❧ ❧

Send for your copy now

Veile and Mendham

The Ultimate in Dahlias

Box 185

Easton, Pa

FROZEN UP

Sorry, friends—no roots for sale 1934, due to loss of practically all stock by frost. Catalog will not be mailed.

Order "The Sun" from Ruschmohr Gardens
See their Ad. on another page

Seed, "A" Quality, Large Varieties, 100 for \$3.00

QUETZAL DAHLIA GARDENS

580 No. Columbus Ave., Mt. Vernon, N. Y.

HADDONDALE DAHLIA GARDENS

Haddon Heights, New Jersey

Originators of "WORLD'S FAIR"

A beautiful 9-10 inch orchid pink informal decorative, (grown at Chicago World's Fair, where it behaved very wonderfully and drew considerable inquiries).

SEND FOR 1934 CATALOGUE

CARLÉE'S DAHLIAS WILL SATISFY YOU

CARLÉE LTD.

HAARLEM

HOLLAND

DON'T MISS GROWING R. A. BROOMFIELD

Large Informal Decorative

The blooms are easily grown to great size and depth on strong straight stems. They are always held erect above the foliage. Color: saffron orange flushed with rose.

Read Derrill Hart's Roll of Honor description. . . . "of all the new varieties no one made a finer impression on me. It is a giant of very impressive form; a deep flower of glorious saffron orange flushed with rose. . . . I predict a great future for this variety."

Roots \$10.00 Plants \$5.00

Send Eastern orders to

CHAPPAQUA DAHLIA GARDENS CHAPPAQUA, N. Y.

Growers of the largest and smallest types
Catalog on request

Western orders to

R. W. PETRIE, Box 236,
Gardena, California

DAHLIA SEED

A limited amount of California sun ripened seed the surplus of a large private collection consisting of the latest and best exhibition varieties.

\$2.00 per 100

JAMES W. McCARTNEY

1908 Browning Boulevard
LOS ANGELES CALIFORNIA

LAKEWOOD DAHLIA GARDENS

Big 4 Offer \$25.00 value for \$17.00
Plants at half price

Kemp's White Wonder, Satan, Murphy's Masterpiece, Kewweak. Send for complete list.

1654 Mars Avenue Lakewood, Ohio

QUEENS DAHLIA GARDENS

43-55 Robinson Street
Flushing, New York

Prize winning Dahlias of fine quality
Also Dahlia seed from giant varieties

"What Can Be Done to Keep Blooms"—Cont.

full of Dahlias. But alas, by the next evening it is usually just a collection of dog-eared flowers that is hardly fit to give away. To point out just one example of what I mean that many of you Dahlia fans saw for yourselves, was last year's New England Dahlia Society show in Boston. The society is an old one, with many veteran growers of established reputation. And yet to say on that second evening of the show that fifty per cent of the flowers were in A1 condition would be putting it very, very high.

In fact, one table that had been in the sun for a few hours didn't last until the judges could get around to see them. Now, I know that many growers claim to be able to keep Dahlias for a week, and they do, too, I have seen them, but in all fairness I must say that they were ragged, the back petals had been pulled out and the flowers had lost their shape and freshness and didn't look right to sell as first quality flowers. I have been checking up on cut flowers for three years now and my conclusions are that a vase or basket of Dahlias can be counted on for two days and no more, and only then, by practicing early morning cutting and plunging in deep cold water for several hours. This of course applies to an arrangement and not to individual blooms.

• • •

A Fair Policy To All

It is the policy of the A. D. S. BULLETIN to give a square deal to both reader and advertiser. We believe that the practice of some growers of securing the roots of the new introductions on which the introducers have spent considerable money in advertising and then cutting the second year introductory price in half or less, is disastrous to the Dahlia business. Perhaps prices have been or are too high. But it costs money to popularize a new variety and if a grower who has not made any investment except for a root or two propagates it to death and sends out inferior plants perhaps—or half mature roots—that variety gets a black eye. The price cutter has nothing at stake and he trades on the effort of his more energetic brother grower and cuts his financial throat, so to speak. We know this is going on. In one or two instances the price cutter has later brought out an introduction of his own and when someone else does the same as he has done by other growers, his wail is loud and long. We can cite cases.

We can't stop price cutting—and won't attempt it. Nor can we correct all the evils of Dahlia competition—but we can and do state that the A. D. S. BULLETIN will not willfully accept for publication any advertisements which offer first or second year introductions at less than the introducers quotations in those years. Not only is this the policy of this publication to promote fair play, but we believe it corresponds with the interest of most codes under the N. R. A. We have refused some ads on this basis recently, the money for which we hate to lose. We have put this fair play proposition up to some other advertisers and they were good sports enough to see the reasonableness of the proposition and changed their copy. We would thank any advertiser for like co-operation.

• • •

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PLEASE MENTION A. D. S. BULLETIN

CALIFORNIA'S FINEST DAHLIA SEED

20 for \$1.00 100 for \$5.00

FROM HONOR ROLL DAHLIAS

Margaret E. Broomall, Satan, Murphy's Masterpiece, Palo Alto, Amelia Earhart, Elissa Landi, and many others.

ANNOUNCEMENT

We are pleased to announce that Mr. J. J. Broomall of Eagle Rock, Calif., has selected us as his representative and will in the future devote his time originating exclusively for us. Mr. Broomall is the Dean of all Dahlia growers, and all lovers of this wonderful flower know, or should know, his record of creating some of the best the world has seen.

WRITE FOR CATALOGUE

STEPHENSON DAHLIA GARDENS

2318 Hill Street Santa Monica, California

DAHLIAS

Catalogue for 1934 ready for mailing. Novelties and standards. Prices to suit present times.

Forty-eight years among the Dahlias.

We feature a fine list of Pompons as well as novelties. Stock true to name and free from disease. Catalogues from other growers always appreciated.

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

W. W. WILMORE'S DAHLIA FARM

Box 382 Denver, Colorado

Originator of The Iroquois Dahlias

SEND FOR PRICE LIST

JOHN TOTH

P. O. Box 12 Fairfield, Connecticut

NORTHWEST GARDENS

Your ad. will reach the buying public by using this recognized medium.

The only garden magazine written solely for Pacific Northwest Gardens.

RATE CARD ON REQUEST

Lloyd Building

Seattle

1934 CATALOGUES RECEIVED

Dahlia Catalogues Are Arriving Every Mail.—Those Received After This Issue Goes to Press Will Be Listed in May.—Please Forward Yours to Editor Dudley.

Names in Bold Type are BULLETIN Advertisers

Allings's Dahlias, 251 Court St., West Haven, Conn.
Badetty Brothers, Huntington Dahlia Gardens, Huntington, N. Y.

Ballego & Son, Leiden, Holland.

Burpee, W. Atlee Co., 485 No. 5th St., Philadelphia, Pa.

Brown, Albert A. & Sons, Route 1, Box 231, Norwalk, Calif.

Ballay Dahlia Gardens, Palo Alto, Calif.

Bolsa Dahlia Gardens, 197 Oakdale Ave., Mill Valley, Calif.

Chautauqua Dahlia Fields, Mayville, N. Y.

Carlee Flower Gardens, Haarlem, Holland.

Cordes, S. F., 2343 Pico Blvd., Santa Monica, Calif.

Colvin, I. M., Princeton, Ind.

Delight-U Gardens, Box 33, Irvington, Indianapolis, Ind.

Excell Dahlia Gardens, 113 Empire St., East Lynn, Mass.

Eastvale Farms, Middleboro, Mass.

Fraser's Dahlia Gardens, Willimantic, Conn.

Fitzgerald, L., 35 Barrow St., Brunswick, N. 10, Victoria, Australia.

Geneva Dahlia Gardens, Geneva, Ohio.

Golden Rule Dahlia Gardens, Harley T. Peck, Lebanon, Ohio.

Gill Brothers, Portland, Ore.

Hulin, J. E., 5964 24th Ave., S. W., Seattle, Wash.

Iroquois Dahlia Gardens, John Toth, Box 12, Fairfield, Conn.

Kemp's Gardens, J. A. Kemp, Little Silver, N. J.

Kokomo Dahlia Gardens, Kokomo, Ind.

Lasch Floral Gardens, 1435 Dill Ave., South Euclid, Ohio.

Laurel Dahlia Gardens, Major James B. Eastman, Laurel, Maryland.

Lee's Dahlia Gardens, Route 5, Box 600, Tacoma, Wash.

Lloyd's Dahlia Gardens, May's Landing, R. D. 1, Sculville, N. J.

Lubeck Gardens, 29 5th St., Attleboro, Mass.

Mad River Gardens, Urbana, Ohio.

Mastic "Creations," M. G. Tyler, 7830 No. Denver Ave., Portland, Ore.

Meusdorffer, Alice, 487 Hanover St., San Francisco, Calif.

Pioneer Dahlia Gardens, W. T. Buell, Marietta, Ohio.

Parrella, Albert, 3380 Ely Ave., Bronx, New York City.

Quetzal Gardens, 580 No. Columbus Ave., Mt. Vernon, New York.

(Continued to following page)

HILLSIDE FARM PRESENTS RAINBOW'S END

The Dahlia you will enjoy growing

A brilliant scarlet and gold decorative. Won in 1932 at the Dahlia Society of Ohio Show, and in 1933 at the Akron Dahlia Society show.

We specialize in growing the new Honor Roll Dahlias. Send for our list. If wholesale lists are wanted please use stationery.

We won the sweepstakes in the open to all classes at the Dahlia Society of Ohio Show last fall and can supply you with prize winners.

WALTER BISSELL
AUSTINBURG OHIO

1934 Catalogs Received—Continued

Reynolds Dahlia Gardens, Rochester Road at Auburn Road, Route 1, Rochester, Mich.

Roxbury Dahlia Gardens, 37 So. Canton Road, East Akron, Ohio.

Rialside Dahlia Gardens, 9 Adams Ave., Boston, Mass.

Ruschmohr Dahlia Gardens, 52 So. Kensington Ave., Rockville Centre, N. Y.

Robens, H. H., 41 Hall Ave., Chagrin Falls, Ohio.

Steele, Charles, Greenwich, Conn.

Seal, Jessie L., 607 Third Ave., San Francisco, Calif.

Scott, Dr. A. B. (Hillcrest Gardens), Fairmont, W. Va.

Spring Water Dahlia Farm, R. F. D. 2, Honeoye Falls, N. Y.

Sagamore Gardens, Dr. S. S. Shattuck, 162 Elm St., Everett, Mass.

Success Dahlia Gardens, Charles G. Reed, 171 Ferry St., Lawrence, Mass.

Stillman, George L., Westerly, R. I.

Salbach, Carl, 657 Woodmont Ave., Berkeley, Calif.

Thomas, Fred & Co., R. F. D. 2, Torrington, Conn.

Veile & Mendham, Box 185, Easton, Pa.

Vernon Floral Co., 3118 June St., Inglewood, Cal.

Vick, James Sons, Rochester, N. Y.

Vin-Well Gardens, Wellston, Ohio.

Wilmore, W. W., Box 382, Denver, Colo.

Weiss, C. B., Moule's Road, Magill, So. Australia

Zant's Wildwood Gardens, Grand Rapids, Mich.

We have many Dahlias of world-wide origin which we believe superior to most American introductions.

The various markets are combed and varieties grown when they are new.

Paul Pfitzer was sent out by us two years ago.

We predict: Croydon Beauty, Col. A. V. Ussher, Ella Bruidegom, Glorious, Lucifer, Laurentic, Mastodon, and several others will be greatly in demand in 1935.

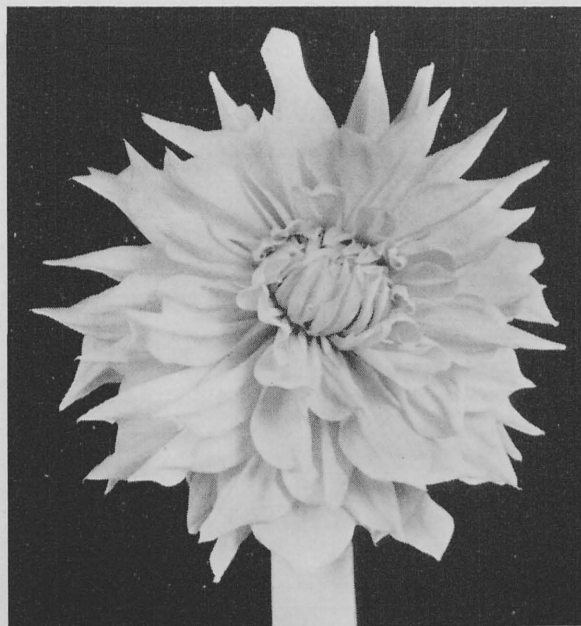
Be a year ahead.

LIST READY IN MARCH

W. E. BIRRELL & SONS

SUMMERVILLE, ONT.

CANADA



ZIONS PRIDE

Winner of A. D. S. Gold Medal in the Undisseminated Seedling Class, World's Fair, Chicago, 1933. Wide petaled informal decorative. Color, yellow. Size 10 to 11 inches.

DAHLIA FANS*Amateur and Professional*

We would like to have your name on our mailing list

We are offering you the greatest bargain in Dahlia roots that you have ever purchased

10 roots for \$5.00

If they are not completely satisfactory, your money will be refunded for the asking

HILLCREST DAHLIA GARDENS

A. B. Scott

FAIRMONT

WEST VIRGINIA

DAHLIA SEED SUPREME

Have gathered a large seed crop from over sixty varieties

My seed for over ten years has been producing Seedlings that have been awarded Certificates of Merit at Storrs, also some on Honor Roll for my customers.

Price always \$1.00 per packet

Circular, New Way to Grow Seed

A. G. GOODACRE

BOX 86

GARDENA

CALIFORNIA

GOLDEN CALIFORNIA

Honor Roll Miniature

MINNIE MELLOWS LITTLE SUNSHINE

New Pompons 100 Pompon seed \$1.00

Miniature seed 25 cents per packet

BOLSA DAHLIA GARDEN

H. C. Haake Mill Valley, California

1934 Catalogue Free

HERE IT IS!

Buy a copy of the Souvenir Edition of the World's Fair Dahlia News. After reading this wonderful book of 86 pages, illustrated, you will know "How to Grow and Show Dahlias." Learn everything about Dahlias.

Single copy, 50c; 3 for \$1; 5 for \$1.50; 10 for \$2.75 postpaid.

CENTRAL STATES DAHLIA SOCIETY

3065 Lincoln Avenue

Chicago, Illinois



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.

It is your guarantee that the grower with whom you are doing business will give you a square deal in every particular. You need have no hesitancy in dealing with any member of the National Association of Commercial Dahlia Growers. The following commercial Dahlia growers are members:

W. A. Angell, Providence, R. I.
C. W. Ballay, Palo Alto, Cal.
Thomas Leavitt, Assinippi, Mass.
George L. Stillman, Westerly, R. I.
J. A. Kemp, Little Silver, N. J.
N. H. Cottam, Wappinger's Falls, N. Y.
E. W. Darling, Fairhaven, Mass.
C. L. Alling, West Haven, Conn.
F. E. Dixon, Scotch Plains, N. J.
Jacob Schulz Co., Louisville, Ky.
Jessie L. Seal, San Francisco, Cal.
Gerken Brothers., Lancaster, Ohio.
Dahliadel Nurseries, Vineland, N. J.
H. R. Delahoyde, Keokuk, Iowa.
R. L. Crigler, Covington, Ky.
Premier Dahlia Gardens, Hillside, N. J.
Carl Salbach, Berkeley, Cal.
W. E. Trostle, San Gabriel, Cal.
W. W. Wilmore, Denver, Colorado.
Calvin S. Wheeler, Webster, Mass.
Frank H. Poschinger, Louisville, Ky.
Strasen Floral Gardens, Austinburg, Ohio.
Dr. H. H. Smith, Rocky River, Ohio.
Success Dahlia Gardens, Lawrence, Mass.
Chautauqua Dahlia Fields, Mayville, N. Y.
Fraser's Dahlia Gardens, Willimantic, Conn.
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W. E. Birrell, Summerville, Ontario.
James Smith, Plainfield, N. J.
Badetty Bros., 40 Prospect St., Huntington, N. Y.

Lewis' Sun Dial Dahlia Gardens, Deer Park, L. I., N. Y.
Golden Rule Dahlia Farm, Lebanon, Ohio (Harley Peck)
R. Vincent, Jr. & Sons Co., White Marsh, Md.
Newbridge Dahlia Gardens, Bellmore, L. I., N. Y.
Dr. S. S. Shattuck, 162 Elm St., Everett, Mass.
Adam Felsing, R. F. D. 1, Lancaster, Pa.
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.
W. Atlee Burpee Co., Philadelphia, Pa.
Miss Alice Meussdorffer, San Francisco, Cal.
E. M. Bissell, 12 Well's Place, E. Lynn, Mass.
Somerhausen Dahlia Gardens, Philadelphia, Pa.
Baumann's Dahlia Gardens, Birmingham, Mich.
Veile & Mendham, Box 185, Easton, Pa.
W. L. W. Darnell, East Moriches, L. I., N. Y.
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.
Fisher & Masson, 121 Abernethy Drive, Trenton, N. J.
Delight-U-Gardens, Irvington Sta., Indianapolis, Ind.
Parkway Dahlia Gardens, 1012 East 178th St., N. Y.
Peacock Dahlia Farm, Dahlialand, N. J.

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





ORIENTAL GLORY

Our introduction for 1934. "Best deep orange to date." Certificate of Merit and American Home Honor Roll Dahlia. It will earn its right to stay in your garden.

Roots \$15.00 Plants \$7.50 Two plants \$12.50

AD-ORDER BLANK

Old and new varieties at a Distinct Saving. The following special offers are good only when this advertisement is clipped and used as an order blank.

American Legion ..\$2.00	Mon. Champion ...\$1.00
Dancing Sultana ... 2.00	Omar Khayyam 1.50
E. R. Fantasy 2.50	Prince of Persia ... 2.00
E. R. Wonder 1.25	Sagamore Prince ... 3.50
Fordhook Marvel50	Satan 5.00
Hillcrest Royalist ... 5.00	Shahrazad 2.00
Jean Trimbee 1.50	Supreme Glory 1.00
Josephine G. 1.00	The Commodore ... 1.00
Kathleen Norris ... 1.00	The World75
Mary Ellen 2.00	White Wonder 7.50

OFFER A—\$7.00 worth of roots, your selection, from the above list for only **\$5.00** prepaid.

OFFER B—\$15.00 worth of roots, your selection, from the above list for only **\$10.00** prepaid.

OFFER C—One root of ORIENTAL GLORY ordered in combination with Offer B (above) for **\$22.50** prepaid.

Check the varieties and offer desired; fill out the blanks below and mail with check, express or postal money order to the address below.

Name
Street
City State

DELIGHT - U GARDEN

Box 33, Irvington Indianapolis, Indiana

The last issue of the A. D. S. was certainly beautiful and interesting and you and Mr. Ailing certainly deserve much credit. Typographically it is perfect. The contents covers much that should stimulate interest in the Dahlia. Wishing you and the rest of the editorial and managerial crew the best wishes of the season, I am, sincerely,

R. E. Berlet, Pres. Central States.

10 GREAT DAHLIAS \$3.00

Dorothy Stone, Elite Surprise, Jane Cowl, The World, Rose Fallon, Harry Meyer, Jersey's Beauty, Jersey Beacon, Mrs. I. de Ver Warner, Sunset Glow.

8 SMALL DAHLIAS \$1.50

While quantity lasts. Both Assortments \$4.00. All Guaranteed roots, labeled and postpaid.

Price List Free

Our Aztec Glory took first prize at the A. D. S. Show 1933 as best yellow. Roots 75c. Plants 50c.

GLEN DAHLIA GARDENS

179 MIDLAND AVE. GLEN RIDGE, N. J.

AMERICAN AND EUROPEAN DAHLIAS

For Exhibition and Cutting

LIST READY

FRANK'S DAHLIA GARDEN

BEDFORD

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"START THE NEW YEAR WITH A NEW DECK"

Our plant price list contains 52 of the world's best Dahlias. Includes a number of 1934 introductions as well as the best of foreign introductions in fine cactus varieties. A postal will bring it.

ROXBURY DAHLIA GARDENS

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On State Route 91

East Akron, Ohio

Money back



Guarantee
if you are dissatisfied

10c

**Brings
Beautiful
Flower
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Thousands of gardening enthusiasts consider FLOWER GROWER the best gardening magazine. Intensely practical. Covers every phase of gardening and allied activities. Sample Copy 10c; 7 monthly issues \$1. Address

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If you want the finest

DAHLIAS

Send for our catalogue

SOMERHOUSEN DAHLIA GARDENS

Chestnut Hill

Philadelphia, Penn.



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 merits.

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

(Guaranteed to Produce 60% Doubles)

American Legion	Carl Bonawitz	Charles Smith	Golden Harvest	Marshall's Pink
Andrea Erickson	Clare de Lune	Dr. J. Carman	James Kirby	Murphy's Masterpiece
American Triumph	Conquisidor	Dorothy Stone	Jerome Kearns	Monmouth Champion
Alice Stellick	Champogue	D. W. Morrow	Jane Southwick	Omar Khayyam
Achievement	Commodore	Eagle Rock Fantasy	Kentuck Red	Ruby Taylor
Bagdad	Chemar's Eureka	Eagle Rock Gem	Long Hill	Satin
Buckeye Bride	Canary Cup	Girl of Hillcrest	Myra Howard	Thomas A. Edison

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 A. Edison	Supreme Glory	Waldheim Sunshine	Monmouth Champion
Eagle Rock Fantasy	King Midas	Fort Monmouth	D. W. Morrow

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

XX CALIFORNIA GROWN SEED XX

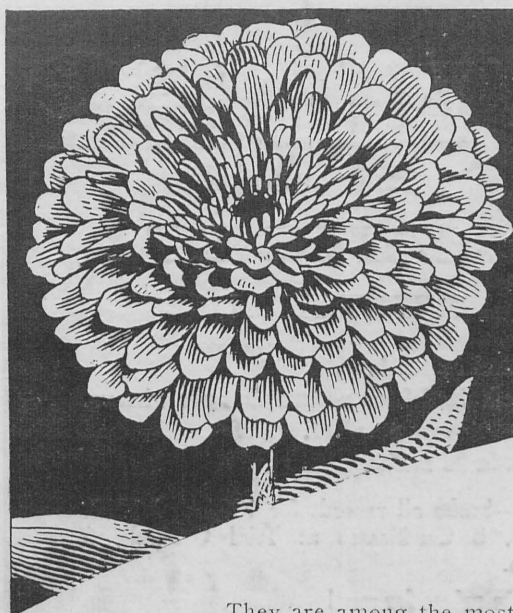
Donna California	Barbara Redfern	Jersey's Beacon	Elkridge
Treasure Island	Watchung Sunrise	Jersey's Empress	I. de ver Warner
Nature's Masterpiece	Jersey's Beauty	Queen of Garden	Marmion

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 now ready, is yours for the asking.

CHEMAR DAHLIA GARDENS : : Oyster Bay, N.Y.



Burpee's Giant ZINNIAS

3 Pkts 10¢

SCARLET, YELLOW, ROSE

3 Best Colors

They are among the most popular varieties in our whole catalogue. They are gorgeous big flowers 4 inches and more across. We offer you a full size 10 cent packet of each of three colors, SCARLET, YELLOW, and ROSE, (regular value 30 cents), for only 10 cents postpaid. This is a special "get-acquainted" offer and does not apply to any other varieties or colors. Don't miss this remarkable offer. Send the coupon, or write a letter, today.

NOTE TO OUR REGULAR CUSTOMERS: This same special offer is made on page one of Burpee's Garden Book for 1934. Your copy has been mailed to you.

Burpee's Garden Book Free

World's greatest garden guide describing all best flowers and vegetables. Full information on thousands of varieties; hundreds of illustrations, many in natural colors. Packed with an amazing amount of reliable advice on all matters of selection, planting, and cultivation. This valuable book is yours FREE. Write for it today. Use the coupon below or write us a letter.

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☐ Please send me postpaid three full size packets of Giant Mammoth Zinnias, one packet each of Scarlet, Yellow, and Rose (regular value 30c) for only **10c**

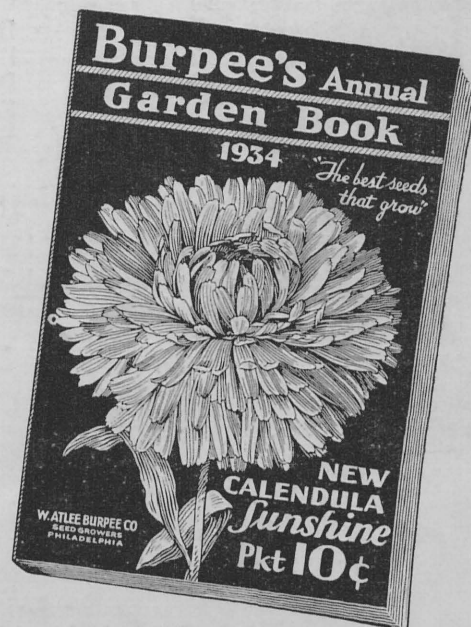
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