

BULLETIN

of the

AMERICAN DAHLIA SOCIETY



"ROULETTE"—Winner of "House Beautiful" Gold Medal, A. D. S. Show, New York, 1939. Introduction of Stanley Johnson, Cheltenham, Pennsylvania

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Issue of February, 1940 . . . First Quarter

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The A. D. S. BULLETIN

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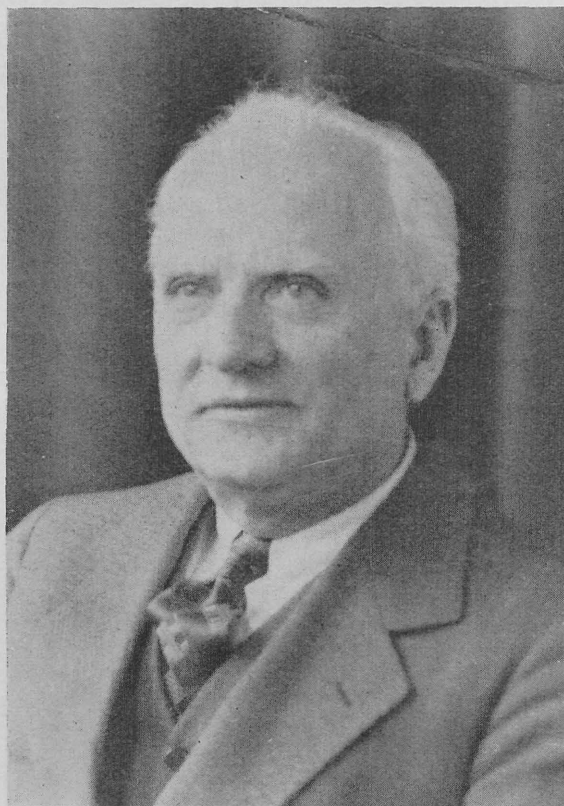
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Conrad Frey .. A. D. S. President

By the Editor

• • •



Conrad Frey, A. D. S. President

Our Society is fortunate indeed to have as its head one whose mental sagacity, force of character and energy peculiarly equip him to do the job the Society expects of him. Conrad Frey, our new President, comes into office with a determination to continue the progress of the A. D. S. in serving the Dahlia public on an ever broadening scale. Always avoiding the limelight Mr. Frey has had much to do with the accomplishments of the A. D. S. for many years.

He is a past President of the Dahlia Society of New Jersey and President of the Northern New Jersey Horticultural Society.

Beloved by his associates for his innate fairness—whether at his best judging a tough seedling class—or taking his stand on an issue relating to policy—he is now welcomed as our chief and finds our retiring President and all the workers firmly behind him and with him.

Yes, ready to carry out as far as within them lies, the plans he promulgates.

Mr. Frey's home life is wholesome. He and his fine wife have one daughter, who resides with her husband (a U. S. Army Captain) and two children in the Phillippine Islands.

Born in Newark, N. J., and now residing in Nutley, our new President carries on research and sales promotion for a large lacquer and paint company on textile, leather and paper printing inks. He is also a Director of W. B. Driver Company, manufacturers of resistances, alloys and wire.

A hobbyist since early boyhood, he bred and flew racing pigeons, also exhibition chickens many years.

About thirty years ago he became fascinated with a Dahlia—*Souvenir de Gustav Duzon*—and there began a quest for the finest which has made his name a by-word wherever Dahlia raising is discussed. His first Show was the A. D. S. Show at the Engineers' Building in New York City.

For the past fifteen years Mr. Frey has been sought by Show managers from coast to coast to serve in important capacities with judges' teams for the leading Shows. The writer recalls a hotly contested class at New York several years ago. The winner being congratulated said: "Well I must have won fairly, Connie Frey was the judge." Many of us who invest heavily in new varieties require no further recommendation than his—"it's good."

Mr. Frey grows about 5,000 seedlings each season—has discarded countless specimens others would have marketed at top prices and if memory serves us correctly is introducing his first Dahlia this year. Yes, his quest is for something outstanding.

His executive ability has been manifest at all board meetings and committee work. Always loyal to the chair and careful not to try to "run things" his good judgement and calm wisdom have frequently helped steer the Society in the right direction.

The participating and affiliated societies will find it a joy to work with him as he ardently advocates an American Dahlia Society—complete in scope to serve north, south, east and west.

We salute Connie Frey, a Dahlia-minded gentleman whom it is a joy to know as friend.

Dahlias in England, 1939 . . G. F. Drayson

23 Palmerston Road, Buckhurst Hill, Essex, Eng.

It is possible that many readers of the BULLETIN may be surprised to see these notes from England, for they may imagine that war would make us forget our Dahlias. This has certainly not been the case. It is true that the war caused the cancellation of most flower Shows and greatly hindered visits to the grounds of other growers. Many Dahlia growers indeed had to leave their gardens in order to join the fighting forces or to undertake other important work, and I heard of cases (but did not actually see them) where Dahlia borders just coming into full bloom were sacrificed in order to provide sites for air raid shelters. On the other hand, the war did not prevent the Dahlias from blooming with a beauty and freedom unsurpassed in any previous year, and at a time of great anxiety, when many other forms of recreation were impossible and when many of us were working for very long hours, the brief periods spent in the peaceful garden amongst the Dahlias provided not only pleasant relaxation but also an antidote to worry.

During the earlier part of the year, in the hope that peace would be maintained, most growers planted and tended their Dahlias much the same as in other years, and at the beginning of September, when war was declared, the plants were very promising, and many of the earlier varieties were already in full bloom. After that, in many gardens, the time that could be spared for the Dahlias was very limited and such aids to bloom perfection as watering, feeding and shading were more or less impossible. There were nevertheless many magnificent blooms and the general consensus of opinion was that the Dahlias had never been finer.

In one respect the year was remarkable, and that was in the unusually large number of really excellent novelties that were distributed. During the last twelve or more years I have grown annually a large collection of the most promising novelties received from most of the principal Dahlia raising countries. In most years the number of really worth while varieties thus discovered has been small, but in 1939 the number was much larger than ever before. Of these, one that pleased as well as any was *Don Sowton*, a sport from the Australian variety *Mrs. C. J. Sowton*, which, by the way, was again outstanding. The sport is of a pleasing shade of mauve, and grew more strongly than the parent variety. It will be interesting to observe whether this stronger growth is a permanent characteristic. Another excellent Australian variety was *Xantine*, which is the finest formal decorative Dahlia that I have yet seen. Its colour is yellow and it produced a number of blooms twelve inches in diameter, and let it be added that a twelve inch bloom of the massive form of this variety is more impressive than a thirteen inch bloom of a fewer petaled spiky variety. *Brenda Corry*, from the same country, is a beautiful old gold Dahlia of good form. Two other recent Australian varieties were *Norma Morton* and *Duke of Windsor*, which came with high reputations, but which were not entirely satisfactory with us, although they both showed signs that under different climatic conditions they might be outstanding.

It sometimes seems that the difficulty experienced by raisers in England in obtaining seeds from the large decorative varieties is increasing, but nevertheless our raisers continue to raise some excellent novelties. Mr. Stredwick in particular has a number of really first class seedlings. Of those distributed in 1939, *National*, which combines two shades of mauve, was the most prominent. With strong growth and good stems it is one of the largest in both diameter and depth. *Golden Goliath*, which has not yet been distributed, was in my garden more than an inch larger in diameter than any other yellow, and is a real giant. *Rev. Frank Boynton*, sent out in 1938 by the same raiser, has not previously attracted much attention, but has given some very fine blooms. In colour it is a rich apricot. Another variety which I had on trial and which was greatly admired was *Pink Giant* from Holland. Although it gave eleven inch blooms, it is not so large as most of the varieties mentioned. It claims attention because of its beautiful colour, which is unique in a Dahlia of its size, and its fine stems.

Of recent American varieties grown in England several have produced blooms of very great size. Surely *Director Carl Dahl* must be the largest Dahlia in commerce, and its blooms all opened satisfactorily. *Robert Ripley*, *Rudolf's Giant* and one or two others, although showing signs that they may be very fine varieties, seem less suited to our climate, as they failed to open symmetrically or showed open centers. *Sunrays* gave well formed blooms on excellent stems. *Leland Stanford* must surely rank high amongst the reds and *Mother Maytrott* amongst the whites. Of the older American varieties the three which have been the most successful are *Jersey's Beauty*, *Charles G. Reed* and *Jane Cowl*. They are still very popular.

The following varieties have been described in previous issues of the BULLETIN. They are mentioned here because they have again been outstanding: *Gladiator* (unsurpassed as a red), *Rita Belty*, *Darcy Sainsbury*, *Lewes G. Bolton*, *Clara Carder*, *Croydon Wonder*, (unfortunately sometimes coarse), *Freda George*, *Croydon Buttercup*, *Nancy Gene*, *Wayville Chrome*, *Koongarra Beauty* (excellent only when a good stock is obtained), *Agnes Foster*, *Winona Drayson*, *Nagel's Giant* (a large flower of good colour but on a short stem), *Albus* and *Taplow Court*. *Major Messervy*, *Daily Mail* and *Pink Daily Mail* are still the three most popular large decorative varieties. A cream sport from *Major Messervy* and a very pale *Pink Daily Mail* sport have recently been secured, and in view of the excellence of the parent varieties they are certain of a warm welcome.

The progress in the semi-cactus type of Dahlia continues, and several novelties mentioned last year have fulfilled their promise. *Scarlet Leader* is certainly one of the most vivid of all reds. *Peer Gynt* also is a very good red, but the finest of this colour that I have grown is *Grand*. Not quite so large as *Satan* or *Son of Satan*, it nevertheless gave eleven inch blooms of splendid depth. Its stems are amongst the best. *Ballego's Surprise*

(Continued on following page)

Dahlias in England—Cont. from p. 5

and *Frau O. Bracht* are still unsurpassed. *Enkart's Prima* is a large massive bloom, but less elegant than the two last named. *Yellow Marvel* is another splendid Dahlia which has not become as popular as it deserves. *Golden Dream* can be excellent, but is not very dependable. *Consul General Quist* is also one of the best of the newer varieties. *Marjorie Spencer* is not so large as some, but is a very beautiful shade of red. Another novelty which demands mention is *Snowball*, a white which is not yet on the market but which has attracted much attention. It is a splendid garden variety. Of American varieties of semi-cactus form, *Miss Glory*, *Greater Glory* and *Bette Davis* are amongst the best and largest.

Of novelties of true cactus form, three must be mentioned: *Dominant* (a very beautiful pink which sometimes shows slight stem weakness), *Richard Crooks* (a very fine red) and *John Woolman* (an outstanding strawberry red variety).

A year ago I gave lists of the best small flowered varieties grown in England. I do not propose to repeat those lists here, but would mention three that have enhanced their reputation: *Newport Gem* (bright scarlet with purple bronze foliage, peony flowered), *Peaceful* a larger, paler, *Baby Royal*, of the same form and from the same raiser), *Kendal Beauty* (rose, shading to pale yellow at the centre, semi-cactus form).

In 1939 the Wisley trials were conducted as usual, but the gold medal was not awarded. It is proposed to continue the trials in 1940.

In my notes of last year, I mentioned that some of the pompon varieties which are still considered to be amongst the best were raised several decades ago. Several indeed are over 40 years old, but some of the Show and fancy varieties (known as "ball Dahlias" in America) are considerably older. In our last Show a prize winning exhibit included *James Cocker*, which was raised in 1871. Compare this with many of our modern giant varieties which deteriorate and drop out of cultivation in one decade or even less.

So much for the past! What has the future in store for English Dahlia growers? This is a question most difficult to answer, but at the time of writing the prospects are that in 1940 all possessors of gardens will have to use them to produce the maximum amount of food—the Dahlia will have to give place to the Potato and the Cabbage. The love of flowers is, however, so ingrained in the Englishmen—witness the flower plot attached to almost every home except in the crowded towns—that most of us will reserve a few square yards for flowers, and how can these few yards be better occupied than by Dahlias, for no other flower can give so great a return in so small a space and for the expenditure of so little labour. It is to be feared that our facilities for raising new varieties and for trying those raised abroad may be greatly curtailed, but we shall none the less be interested to learn of the triumphs of Dahlia lovers in more favoured lands, and the pages of the BULLETIN will be eagerly conned by those who are fortunate enough to receive it.

I will conclude by saying that although there are difficulties looming ahead we retain our faith in the future.

CALIFORNIA GLEANINGS

In looking through the pages of the November issue of the BULLETIN one cannot help but being struck by the enthusiasm of the Dahlia growers as a whole. And one cannot help being proud of belonging to such a crowd of enthusiasts. In reading of the different varieties one cannot help but thinking of one's own experience during the past season, and counting up the failures and successes of the different varieties. I myself imported from Australia and Holland, from Australia *Don Sowton* was very good, *Duke of Windsor* was good after the first flowers, *Croydon Vivid*, *Croydon Acme*, were both good, *Jean Griffiths*, *Rita Betty* and *Ivan Millar* started off disappointingly but came up to expectations later in the season. *Enkharts Prima*, *Carrarece*, and *Inaseotte* were good from Holland, *Vinwell Empress*, *Santa Monica*, *Kentucky Dawn*, were all very good. *Lois Walcher* was a disappointment as was *Cherokee Brave* and *Bernice Geer* of the older ones in our gardens. *Dixie Queen*, *Darcy Sainsbury*, *Freda George*, *Oakleigh Monarch*, *Jean Batten*, *Gladys Stanford*, *Tom Workman*, *Tirraween Best* performed just as good, from Canada I had *Ina Bice*, white decorative, *Marguerite*, white semi-cactus, were extra good. In visiting the different Shows I noticed that *Darcy Sainsbury* was amongst the chief winners. At San Francisco I noticed two exceptionally good seedlings, one in Redferns Exhibit and one in Star Dahlia Gardens Exhibit. Glen Mack had a very good collarette in his exhibit. I was judging at Los Angeles County Fair and thought Mrs. MacDonald's *Pasadena* was very good, and it might interest you to know about, I have been going up North as far as Redding to judge at the 22nd Agricultural District Show, and this last season they had a very good Show of Dahlias for the first time and from the enthusiasm shown, I think it will be even better, its wonderful how the fever grips once it gets in the blood, but what gets me is the way some of the growers write their Dahlias up. I like to judge my Dahlias from the reports from the different parts of the country. I think it does not do the Dahlia any good by boosting it above its merits just for the sake of selling a few extra roots, I am not blest with a lot of this world's goods, but anything in the way of boosting anything above its merits is out. I grow Dahlias because I like to grow them, and because of their beauty and color. I cannot for the life of me see why some growers will go to any extent for the sake of a few dollars. As I always thought that a man or persons who worked with flowers and lived so close to nature, would not have any room for any double dealing, nor any room for thoughts of betraying trust that is placed in him, yet we find it very prevalent in our ranks, I refer to the price cutting and the methods employed to keep the real honest to goodness originator from getting his fair share of the fruit of his creation. I hoped that someone would take this question up, but it seems there's nothing doing, but I like the rest am stepping in where Angels fear to tread. Here's hoping that the Dahlia fancy may continue to grow and flourish.

Charles Garrity.

FIFTY DAHLIAS THAT CAN WIN

By F. V. R. Veirs, 718 Linwood Avenue S. W., Canton, Ohio

When your most competent editor, Mr. Gordon Waaser wrote and told me he would like to have me write an article entitled "Fifty Dahlias That Can Win," I thought that would be an easy matter, but after much research and help from many exhibitors and growers, I find it a most difficult task. In the first place no one can, in my humble opinion, pick out the best fifty Dahlias. Different conditions exist in different localities. At any rate, of the larger Dahlias that will win this coming Fall, if properly grown, there will be many more than fifty. Of a necessity some will be left out. I find some that I believe will win that are not recorded as winning this year. Some of the foreign Dahlias I saw at John Zazos and the Garfield Heights Dahlia gardens, I am sure will be in the winning column when they are more widely disseminated. However, you want to know what will win, not the ones that may win. If the Dahlias named below are grown and exhibited by such careful growers and exhibitors as Dr. Preas, Edward O'Keefe, Gordon Waaser, H. H. Robens, the Shannabrooks, John Zazo, Harold Galloway and others of their kind, they will win.

Mr. Galloway had an exhibit, not in competition, at East Liverpool showing in all, sixty blooms. Fifteen of these Dahlias measured over twelve inches in diameter. Six of these were *Carl Dahls* and the largest one measured over fifteen inches, so with the winning of this Dahlia as the largest bloom in New York and five other Shows, it should get the call for the champion of the large Dahlias. The next three that will be in competition with *Carl Dahl* are *Murphy's Masterpiece*, *Mayor Frank Otis*, and *Gladys Sanford* (an informal from Australia). The color is lemon center and the outer petals are peach or apricot.

Informal Yellows

American Legion was the largest bloom shown in competition in East Liverpool at the last Show. This Dahlia has only been defeated once in the Mid West for champion bloom and it is probably the most beautiful Dahlia we have. At its best it very often comes Semi-cactus. The next Dahlias in the informal yellow class are *Lord of Autumn* and *California Idol*. *Lord of Autumn* is probably the most consistent winner of the three.

Informal Whites

In this class the competition lies between *Alice May*, *Mother's Day* and *Straight's White*. The first two are Australian Dahlias and very hard to beat.

Informal Pink

Here we find *Kathleen Norris*, *Katie K.*, *Everybody's Favorite* and *Winsome*.

Informal Red

Murphy's Masterpiece dominates this class but we do have some other good ones; *Cherokee Brave*, *Hawksbury Queen*, (Australian), and *Burch Foraker*.

Informal Lavender or Purple

Here we have *Robert Ripley*, *Glamour*, *Brilliant Lady*, *Jean Trimbee* and *Hunt's Velvet Wonder*. *Ripley*,

Glamour and *Hunt's Velvet Wonder* have all won as the best in the large classes in several Shows in 1939.

The first three mentioned come from the home of William Nuneviller and it is my sincere hope that Bill can keep the average up to standard for many years to come.

Informal Bi-colors

My information on this class is very limited, but as far as I can ascertain, *Langeloth* and *New Glory* are the best. At least they have won in 1939.

Informal Autumn

There is stiff competition in this class. We find *Rita Wells*, *Carl Dahl*, *Sunrays*, *Mayor Frank Otis*, *Premier's Majestic* and *Hillside Sunset*. *Hillside Sunset* late in the season will probably be in the yellow class but earlier with me it is Autumn. In 1938 *Hillside Sunset* not only won the American Home Achievement Medal but also won as the largest flower in the Show at Cleveland. This bloom was twelve and a quarter inches by slightly over nine inches.

Yellow Formal

Here we have, *Croyden Glory*, (Australian), *Kentucky Sun* and *Virginia Shipley*.

White Formal

D'Arcy Sainsbury won as best flower in the Show in 1939 at San Leandro, California. This with awards in almost every Show from coast to coast puts it in a class of sure winners.

Formal Pink

Gillmans Pink won, not only in the pink formal class but as the best formal in the Mid West Show in Cleveland last September. It also won in Toledo in its class (Another from Australia). *Severins Triumph* and *Jersey's Beauty* will also win.

Formal Red

Oakleigh Monarch, well grown has no competitor.

Formal Purple

Purple Mist.

Formal Lavender

Blue River.

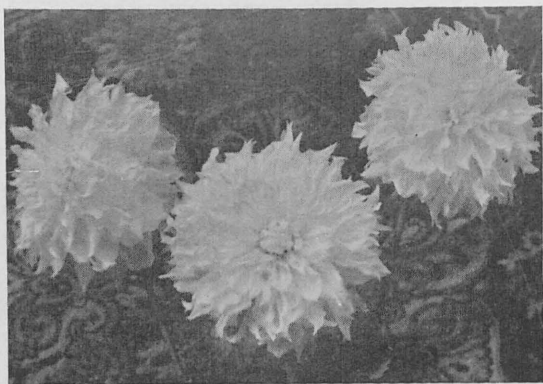
Formal Bi-color

We have in this class *Autumn Mist*, *Haslerova*, *Cornell*, *Lois Walcher* and *Yellow Marvel*. *Autumn Mist* and *Haslerova* are variegated Dahlias and should be shown as such, but the Dahlia societies have not gotten around to that yet. The other three are distinct bi-colors and can win.

Autumn Cactus

Golden Standard is a very consistent winner. This past season *Golden Standard* won as the best bloom in Akron and Cincinnati. It won the award in many other Shows in its class.

(Continued on following page)



MRS. HELEN GOETZGER—Picric Yellow Informal Decorative. Georgia Trial Grounds Award of Honor. Originated by Frank Goetzger, Mt. Ranier, Maryland

Fifty Dahlias That Can Win—Cont. from p. 7

Yellow Cactus

Frau O'Bracht and *Frau Ida Mansfield*, both of which are foreign Dahlias seem to be the best in their class.

White Cactus

Weiser Hirsch and *Jersey Dainty* are good.

Pink Cactus

Here we have real class in *Your Lucky Star*, *Sleepy Hollow* and *Shirley Temple*. *Shirley Temple* is a peculiar shade of light purple to pink, and the tall growing, bush with its dark foliage makes it a most striking variety in the Garden. It was the best bloom in the Show in Portland, Oregon, in 1939, and well liked in the Central States.

Red Cactus

Son of Satan and *Yowa-Matsouka* can win. *Yowa-Matsouka* is a true cactus, and no red Dahlia has a richer color than this variety from Japan.

Lavender Cactus

Bette Davis is the most consistent winner in this class. It is seldom seen larger than nine inches but it seems to have what it takes. *Miss West Virginia* is also very good.

Dark Purple Cactus

Kardinal Von Rossum is the best in this class. It is also one of the most attractive Dahlias in the garden. Of all the dark Dahlias it is my favorite.

Yellow Semi-cactus

Miss Glory, a great Dahlia, from California, is probably the best.

White Semi-cactus

American Purity is by far the best. This Dahlia won as the best and most perfect bloom at East Liverpool last Fall. Incidentally there were more good blooms at East Liverpool than any other Show I attended in 1939. The bloom of *American Purity* was grown and exhibited by my very good friend H. H. Robens.

Red or Maroon Semi-cactus

Satan and *Virginia Rute* should be the winners in this class. *Virginia Rute* is a large dark Maroon Dahlia. It was good at the Mid West in Cleveland last Fall and will be much in evidence next Fall.

Pink Semi-cactus

In this class we have two wonderful Dahlias. *Greater Glory* and *California Peach*. *Greater Glory* was judged the best bloom in the Show at the Mid West in Cleveland in 1939 and won many awards and ribbons in the last three years. It sometimes comes straight cactus and when it does it is a winner in that class. *California Peach* won as the largest and most perfect bloom at Toledo in 1938. It has been a very consistent winner since its introduction.

Autumn Semi-cactus

Amelia Earhart is usually the winner in the Autumn Semi-cactus class. It is one of the best from California.

Lavender Informal

Freda George should not be overlooked. The color is cream overlaid with Heliotrope, and is one of the most beautiful Dahlias in the garden and a consistent winner. It is another Australian.

In the smaller Dahlias ranging from four to eight inches we have *Baerne*, a pink semi-cactus, *Showa*, a lavender and white incurved cactus, from Japan. *Dulcinia*, a bright red cactus from Holland, *Mrs. George Pezant*, a dark red incurved cactus from France, *Enkart Prima*, semi-cactus, which is a soft salmon color with a yellow center and *Scarlett Leader*, the most vivid red semi-cactus I have ever seen. This Dahlia won at Cleveland, Akron and East Liverpool. I saw this one growing at John Zazos and at Garfield Heights Dahlia Gardens. It is one you could want whether you show specimen blooms or not.

Ball Type

Mary Helen seems to be the most consistent winner.

Miniatures

In the miniatures, there is *Fairy*, *Royalette*, *Dubonnet*, *Bergers-Jewel*, *Little Diamond* and many others too numerous to mention. *Little Diamond* and *Bergers-Jewel* would probably be the winners in basket arrangements. *Bergers-Jewel* in a beautiful basket arrangement won the president's cup in the stiffest kind of competition at Cincinnati. The entry came from the Garfield Heights Dahlia gardens.

Poms

In poms you will find among the winners, *Doria*, plum colored, *Ila*, a red, *Bob White*, a white, *Petite Prince*, orange to red, *Nerissa*, a pink and *Betty Malone*, a bi-color.

Growing Show blooms is not easy, but is a pleasant task. The Fellow who cultivates, sprays, disbuds, keeps his Dahlias properly staked, shaded and watered, will if he knows how to transport them to the Shows, and a dozen ifs and ands, including timing and staging, etc., will certainly win with the above mentioned Dahlias, and many more. If you have been winning with certain Dahlias, stick to them until you know of a variety or varieties that will beat your favorites.

The Dahlia Tuber as a Possible Source of Levulose Sugar

By E. S. Haber, Research Associate Professor
Iowa State College, Ames, Iowa

At Iowa State College we have been interested in plants which have possibilities as sources of levulose sugar on a commercial scale. The Chemistry Department following several years of experimentation has developed a small commercial plant which is capable of producing about 50 pounds of levulose sugar per day. It has been the writer's job to find root or tuber-bearing plants which will yield a large tonnage of levulose sugar per acre. The Jerusalem artichoke, *Helianthus tuberosus*, has been quite satisfactory in this respect from the chemist's standpoint. They yield from 10 to 15 or more percent of levulose, depending on variety. We have been able to secure 15 tons of tubers per acre, but it is not a satisfactory crop from the agriculturist's standpoint. It is difficult to harvest, and any tubers missed in digging sprout the next spring and are obnoxious weeds in the next crop grown on the land.

Levulose sugar has been a high-priced sugar until within the last 5 or 6 years. Previously it sold for as much as \$25 per pound, but now brings 75 cents per pound because of improved processing methods. Levulose sugar is more easily digested than ordinary sugar. By weight, six-tenths of a pound of levulose would equal a pound of cane sugar. Levulose syrup would be a good sweetening agent to be used with carbohydrates of lesser sweetening value or for cases in which a sweet product is desired without a correspondingly high carbohydrate content and high caloric value. With a cheap raw-product source the price can be brought down still further within range of the consumer's pocket-book.

Dahlia tubers are known as a source of this sugar. No doubt, all Dahlia growers have eaten a piece of Dahlia tuber and not found it sweet and are wondering by this

time why I list them as a possible source of sugar. The material present which yields levulose sugar is inulin or fructosan, compounds similar to corn starch. Inulin on hydrolysis with a weak acid yields levulose just as corn starch on hydrolysis yields corn sugar. Levulose is about two and one-half times sweeter than corn sugar and nearly twice as sweet as cane or beet sugar.

Our search among Dahlia varieties or seedlings is for those that produce a large quantity of tubers per acre and contain a large amount of inulin in the tubers for the production of the sugar. Varieties, no doubt, differ in their sugar content but we can test them easily for sugar content. Flower type does not interest us. This past season the writer found the *Yellow Duke* variety to produce more tubers than any other large plant growing type, but the levulose content is low. The dwarf *Unwin* and *Coltness* hybrids gave us very high tuber yields per acre because of close spacing but again the sugar content was not equal to our expectations.

The above brief summary is written with the hopes that breeders will favor us with seedlings which are heavy tuber producers which they discard because of poor flower type; also bring to the writer's attention varieties of exceptional merit in this respect. To make the Dahlia an agricultural crop, the variety or varieties must be (1) heavy tuber producers, (2) yield 12 or more percent levulose, (3) grow vigorously on a wide range of soils, (4) and are widely adapted with regard to climatic conditions. Again let me emphasize that flower type is of no consequence; in fact, it might be an advantage if the plants did not flower or were poor flower producers.

Mid West Show To be Held at Louisville, Kentucky

As most Dahlia growers know the Dahlia Society of Kentucky is sponsoring the Mid West Show in Louisville, September 21, 22, 1940.

Our meetings are very interesting this year as every one is just bubbling over with plans and suggestions, each willing to do his or her best.

Some preliminary plans for the program have been thrashed pro and con and things look very good so far.

Just to give you something to think about and plan ahead for is, that \$200.00 will be given in cash prizes in the open to all section, so don't be afraid to enter into the game of competition. It will be worth while.

Any one interested in showing a Commercial Display at the Show, please contact Mr. Roy White.

Mr. W. B. Dietz is our Show Chairman and from what he tells us about Classes and Prizes, well just come to the Mid West Show and you will see for yourself.

Mr. Roy White, our Chairman of Judges is also very

busy performing his duty and promises a square deal to all.

The following have been appointed Regional Chairmen: Chairman of Regional Chairmen, Mr. Raymond Sparks, Columbus, Indiana; Hugh M. Oldfield, Barbourville, Kentucky; F. W. Galloway, Washington, Kentucky; Tom Place, Michigan; Dr. Hoppe, Milwaukee, Wisconsin; John Strassen, Austinburg, Ohio; E. J. Wind, Rocky River, Ohio; Nick Koenig, New Baltimore, Michigan; Oliver Shurtleff, Fairmont, West Virginia; Dr. A. E. White, Indianapolis, Indiana; J. Louis Roberts, Chicago, Illinois; A. O. Guntle, Frankfort, Indiana; Harley Peck, Lebanon, Ohio; George Curry, Sheboygan, Wisconsin; C. H. Smith, Toledo, Ohio; Dr. Kennedy, Nashville, Tennessee; George Richardson, Cincinnati, Ohio; George Brayton, Fort Thomas, Kentucky.

This time of the year all "Dahlia Fans" are beginning to make plans for planting time and while you are making those plans, just plan to come to Louisville, Kentucky, September 21, 22, 1940, for a bigger and better Mid West Show and you will find out just what Kentucky Hospitality really is.

Mrs. W. F. Kleinjohn, Secretary.



Photo by Standard Flashlight Photo

A. D. S. Anniversary Dinner in New York

A fine program, good dinner and cheery good spirit featured the Silver Anniversary of the A. D. S., celebrated at the Shelton in New York, January 20th.

Our toastmaster, Vice-President H. Dewey Mohr, headed up the committee on arrangement and single handed prepared every detail—turning in a dandy job.

Dr. Oliver Shurtleff pronounced the invocation—and there were many who voiced their sentiment that this practice be continued at our get togethers in the future.

Short addresses by retiring President Lynn B. Dudley and President Elect Conrad Frey were followed by a humorous debate sponsored by the Irvington, N. J., Society. The subject: "Dahlias As a Hobby." Three men supported the affirmative. Their wives, discussing the negative received frequent bursts of applause for an excellent expose of the griefs and woes of this hobby. The judges very diplomatically called it a tie. Someone polled the assembled guests but the last we heard he was still looking for the first vote for the husbands!

Motion pictures in technicolor, prepared by Mr. E. E. Tooker, of the Storrs Trial Grounds, and his own garden at Rockville Centre, including some beautiful Long Island sunset shots, were right up to the standard of last year.

Prof. Shurtleff's pictures of his Dahlia Pageant at West Virginia left us all with the firm resolve to be at their Show this year.

Henry Olsen brought his new projector for color transparencies and showed us some magnificent color shots of blooms from the Editor's garden and also the

World's Fair. He obliged at the projector while Dr. Bruce Preas explained the color pictures sent on for our enjoyment by John W. Currie of Sheboygan, Wisconsin, who was unable to be present in person. These pictures were taken in the various gardens covered by Mr. Currie's tour.

The evening was brought to a close by an address of Prof. Shurtleff who concluded with the wish for all for good health, prosperity and happiness with "just enough difficulty, infirmity and sorrow to make you strong!"

What can be added to this?

Greetings to the members assembled at the A. D. S. annual meeting were received from two of our members unable to attend. Mr. and Mrs. W. Blanchard of Skagway, Alaska, assure us of their joy in growing Dahlias. *Clara Carder* is a great favorite.

Georgia Experiment Station Circular 120

A twelve-page booklet published by the University of Georgia contains a splendid record of the season's Trial Grounds work.

Some of the faults in Dahlias are illustrated and the printed copy summarizes the "General Qualities of Recommended Varieties and Qualities of Awards."

Five thousand visitors viewed the Dahlia variety test during the season 1939.

DAHLIA NOVELTIES, HOLLAND 1939

By H. Carlee, Haarlem, Holland

I am of the opinion it will be best to give you a review of the Dahlia season in the same way as I did last year, as it proved from the letters which reached me that such a report was appreciated very much.

The beginning of my last year's article was very sad. Now, that which we thought that could have been avoided has become reality. The war which claimed so many millions of victims in 1914-1918, who gave their lives for a better world, has become a failure, and the greater part of human nature is set against each other to mad ruin.

That in such a world, trade is dislocated can be understood easily. However, we shall go on to fulfill the task we have taken. I hope this report will reach you and that it will enable you to get an idea of the outstanding Dahlia novelties in Europe.

The exhibitions which are principally being held in the month of September, were cancelled in England, France, Belgium and Germany. So I cannot go in details about the novelties which should have been brought forward there, and I can only bring a report of the varieties won in, and imported into Holland.

This season too, many varieties were shown. Besides very outstanding and valuable novelties, there were also those which had good qualities but which cannot yet be ranged among the great prize winners.

Firstly we review the varieties I described last year, that have again yielded good results. Then I think of *Pink Giant* which made a good impression in 1938 and has now been crowned with the highest distinction viz: The Silver Challenge Cup for the best novelty. It is a fine novelty indeed with a robust growth and beautiful large lively pink flowers which will make a very good impression in other climates too. Further on *Paula Deetjen*, hybrid cactus, bright pink with long, strong and thin stems. Extraordinary free flowering, height 6 feet. Moreover, *Sonnet*, hybrid cactus, apricot-salmon colour, ideal cutflower, free flowering.

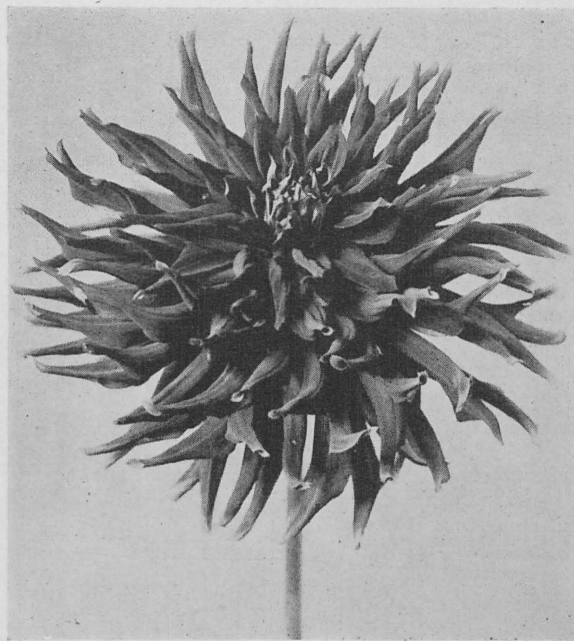
Then *Carpe Diem*, *Furore*, *Gladiator*, *Paula Deetjen*, *Richard Crooks*, *Sonnet*, had also received a certificate of the Dutch Dahlia Society and were competitors for the Cup.

All those varieties had sufficiently shown their excellent properties and will no doubt take an important place in the large collection.

In the small flowering types *Modesty*, a single lilac-mauve variety, won from *Mia Karsten*, also a single carmin-purple Dahlia, with a dark bloodred ring around the pure yellow heart, and was crowned with a special prize for the best small flowering Dahlia.

For the Cup for the best foreign novelty only one variety was sent in viz: *Madame C. Jussiant*. A beautiful free flowering lilac hybrid cactus which was adjudged this high prize owing to its good qualities.

Scarlet Leader proved to be a very good garden plant and possesses much better properties than *Peer Gynt*. The latter showed a decay in growth, through which it lost much of its value.



GRAND—Current Red Semi-Cactus. "Extra-Fine"

Astarte satisfied very much, just as *Big Four*, *Bim Bam*, *Consul General Quist*, *Golden Triumphator*, *Little Diamond*, *Nieuw Amsterdam*, *Purperslak*, *Punctueel*, *Richard Klimpt*, *Tip*.

Of the particular varieties I mentioned in my report 1938, I discussed *Pink Giant*, *Paula Deetjen* and *Sonnet* already.

So there are left: *Chamberlain* of which I have never seen good flowers, for which reason I doubt their good qualities. *Grand* proved to be an excellent red variety with fine flowers, long stems and strong growth. On the contrary *Zeehan* gave only a small part of the season fine flowers. This variety must be cultivated once more to see whether a strong stock can be obtained. It has magnificent flowers, and I am sure it will be worth while to pay attention to again.

In the Trial Garden *Blizzard*, *Gisella*, *G. J. Mendel*, *Golden Gem*, *Minstrell*, *Orange Imperator* and *Tempo* impressed by good growth, free floweringness, fine shape and colour. In the joined report you will find further information re these varieties.

Of the foreign novelties the following satisfied very much: *Monarch of the East*, decorative, golden bronze, *Dokoupil's Ideal*, decorative, white with soft lilac points, *Briggitta*, decorative, erica colour, *Autumn King*, decorative, robust growth, lively bronzy-orange, *Langeloth*, decorative, striking red, striped and tipped white, good

(Continued on page 12)

Name:	Ambrosia	Aphrodite	Apotheose
Breed:	Hybrid Cactus	Hybrid Cactus	Hybrid Cactus
Color:	Pale pink, light yellow to- wards the center	Apricot color with orange center	Bright pink with light yellow center
Size of Flowers:	8½ inches	5¼ inches	7¼ inches
Depth of Flowers:	4 inches	2½ inches	3¼ inches
Quality of Stem:	Good	Very well	Very well
Length of Stem:	3 feet	3 feet	3 feet
Length above 1st Leaf:	8 inches	6 inches	10 inches
Leaf Color and Quality:	Light green	Light green, small, hard	Dark green, hard
Height of Plant:	Over 5 feet	5 feet	5 feet
Free-flowering:	Good	Very well	Very well
Suitable—Cut flower:	Yes	Yes	Yes
Exhibition:	Yes	Yes	Yes
Decoration:	Yes	Yes	Yes
Distinctions:	Award of Merit (Exhibited only once)	Has not yet been exhibited	Award of Merit (Exhibited only once)
General Impression:	Particularly fine shape and very free flowering	Owing to its free flower- ingness, good shape, color and thin stem this is an ideal cut flower and garden plant	Owing to the fine shape of the flowers, excellent stem and good keeping quality in water it is an ideal mar- ket flower

Name:	G. J. Mendel	Grand	Hercules
Breed:	Hybrid Cactus	Hybrid Cactus	Decorative
Color:	Lilac-pink	Currant-red	Sharp orange-red
Size of Flowers:	8 inches	8 inches	8½ inches
Depth of Flowers:	5 inches	5 inches	3¾ inches
Quality of Stem:	Right	Very well	Right
Length of Stem:	2 feet	3 feet	3 feet
Length above 1st Leaf:	8 inches	7¼ inches	8½ inches
Leaf Color and Quality:	Medium green, hard	Dark green, hard	Dark green, hard
Height of Plant:	4 feet	Over 5 feet	Over 5 feet
Free-flowering:	Very well	Very well	Right
Suitable—Cut Flower:	Yes	Yes	Yes
Exhibition:	Yes	Yes	Yes
Decoration:	Yes	Yes	Yes
Distinctions:	Certificate of Trial Garden Certificate First Class	Award of Merit	Certificate of the Dutch Dahlia Society
General Impression:	One of the finest varieties, beautiful shape, pure lilac color and very free flower- ing	Very free flowering, excel- lent stem, shape and color Extra	Striking by its lively color and fine shape

Name:	Orange Imperator	Paula Deetjen	Pink Giant
Breed:	Hybrid Cactus	Hybrid Cactus	Decorative
Color:	Lively orange	Old pink with a light violet glow, towards the center soft yellow	Lively pink
Size of Flowers:	8½ inches	6 inches	9¾ inches
Depth of Flowers:	4 inches	2½ inches	4 inches
Quality of Stem:	Very well	Very well	Good
Length of Stem:	3 feet	3 feet	2½ feet
Length above 1st Leaf:	14 inches	20 inches	8 inches
Leaf Color and Quality:	Medium green, rather hard	Lively green, rather hard	Medium green, hard
Height of Plant:	5 feet	5½ feet	5 feet
Free-flowering:	Right	Very well	Very well
Suitable—Cut Flower:	Yes	Yes	No
Exhibition:	Yes	Yes	Yes
Decoration:	Yes	Yes	Yes
Distinctions:	Award of Merit	Certificate of the Dutch Dahlia Society	Certificate of the Dutch Dahlia Society Winner of the Silver Chal- lenge Cup
General Impression:	Exceedingly fine color, beau- tiful shape. A promising novelty	The free floweringness, live- ly color and first class stems make a first class novelty of this Dahlia	In the beginning of the flowering time the stems are somewhat short, later on the flowers grow well above the foliage. The color is extraordinary fine, very good shape

Dahlia Novelties, Holland 1939—Cont. from p. 11
shape and a rather regular colour, *Rita Betty*, decorative,
attractive terra cotta with bronzy glow, *Mayor Frank
Otis*, decorative, soft golden yellow with a coppery
shading, of which much was expected, did not satisfy
at all in our climate, principally because the weak stems
which could not carry the large flowers in the right

way. We shall try it once more and perhaps it will
then yield better results next year, *Andries Selecta*,
hybrid cactus, violet pink with light points, *Sunrays*,
decorative, fine flesh colour, tinted apricot, *Lois Walcher*,
decorative, plum colour pointed white, *Mother's Day*,
decorative, extraordinary white variety, *Jean Batten*, dec-
orative, red-lead colour with orange glow, *Lilac Time*,

Barbarossa Decorative Lively vermillion-red 7 1/4 inches 4 inches Good 3 feet 6 inches Dark green, hard 5 feet Good No Yes Yes Award of Merit (Exhibited only once) The particular deep warm vermillion-red color is very striking. The shape is true decorative	Blizzard Hybrid Cactus Pure white 8 inches 5 1/2 inches Right 3 feet 10 inches Medium green, hard 5 feet Good Yes Yes Yes Award of Merit Certificate of Trial Garden Very striking by the bright white color and fine shape	Fascination Decorative Bronzy yellow with dark center 8 inches 5 inches Good 3 feet 8 inches Dark green, hard 5 feet Good No Yes Yes Has not yet been exhibited As the petals are somewhat curled and colored bronze in the center, the flowers have a pleasing effect	Gandria Hybrid Cactus Lively pink with soft purple glow 6 1/4 inches 2 3/4 inches Right 3 feet 16 inches Medium green, rather hard Over 5 feet Right Yes Yes Yes Certificate of Trial Garden Certificate First Class Good pink color, sometimes king oblong hearts, but generally it is an excellent novelty
Mia Karsten Single Carmin-purple with a dark oxblood red ring round the pure yellow heart 2 1/2 inches Very well 2 feet 16 inches Dark green, hard 4 feet Very well Yes Yes Yes Certificate of the Dutch Dahlia Society One of the finest single Dahlias. Very lively color, particular free flowering, an ideal garden plant	Minstrell Hybrid Cactus Deep purple 8 inches 3 1/2 inches Very well 3 feet 20 inches Dark green, hard 5 1/2 feet Very well Yes Yes Yes Certificate of Trial Garden Award of Merit Striking by its fine shape, free floweringness and good stem	Modesty Single Particular mauve-lilac 2 1/2 inches Very well 3 feet 20 inches Medium green, rather hard 4 1/2 feet Very well Yes Yes Yes Certificate of the Dutch Dahlia Society Prize of honor for the best small flowered Dahlia One of the most attractive colors, excellent cut flower	Nijmeegsch Glorie Hybrid Cactus Light purple 8 inches 5 inches Good 2 1/2 feet 6 inches Medium green, hard 3 1/2 feet Very well No Yes Yes Award of Merit Beautiful flowers and extraordinary free flowering. A very fine garden plant
Pygmalion Hybrid Cactus Bronzy-red 9 3/4 inches 5 inches Rather well 3 feet 6 inches Dark green, rough 5 feet Good No Yes Yes Has not yet been exhibited A variety with a fine shape and beautiful autumn color. The stems are somewhat bent sometimes	Sonnet Hybrid Cactus Apricot color with salmon glow 7 1/4 inches 3 1/4 inches Very well 3 feet 16 inches Medium green 5 feet Good Yes Yes Yes Certificate of the Dutch Dahlia Society Fine apricot color, fine shape and excellent stem. Very good cut flower.	Tasmania Hybrid Cactus Tomato-red, back and points of the somewhat curled petals buttercup-yellow 8 inches 4 inches Good 3 feet 4 inches Dark green, hard Over 5 feet Very well Yes Yes Yes Award of Merit The light tomato-red color with yellow at the back and the points of the petals always draws everyone's attention. Extraordinary free flowering	Tempo Decorative Purple-violet 9 3/4 inches 4 inches Very well 2 1/2 feet 6 1/4 inches Dark green, hard 4 1/2 feet Good (market flower) No Yes Yes Certificate of Trial Garden Award of Merit Particular variety with extraordinary fine shaped flowers. Extra

decorative, malva coloured violet, very particular colour, *Miss Santa Monica*, hybrid cactus, cream-white, extra fine shape, *Duke of Windsor*, decorative, wine-red, very particular tint, *Nightfall*, cactus, deep maroon, centre absolutely black.

Summarizing I consider the following of the season 1938 very commendable: *Astarte*, *Bim Bam*, *Carpe Diem*,

Consul General Quist, *Golden Triumphator*, *Julius C. Bunge*, *Little Diamond*, *Mia Karsten*, *Punctuel*, *Purperslak*, *Scarlet Leader*, *Tip*.

Of 1939 I particularly recommend: *Aphrodite*, *Aposheose*, *Barbarossa*, *Gandria*, *G. J. Mendel*, *Grand*, *Nijmeegsch Glorie*, *Paula Deetjen*, *Pink Giant*, *Sonnet*, *Tasmania*, *Tempo*.

THE TWENTY-SIXTH ANNUAL MEETING OF THE A. D. S.

The twenty-sixth annual meeting of the Society, in celebration of its 25th anniversary, was held in the Shelton Hotel, New York City, Saturday, January 20th, at 2:30 P. M.

President Dudley opened the meeting saying that the usual custom of bringing to light all the activities for the past year of the leading officers would be dispensed with as these have been fully reported through the medium of the *BULLETIN* throughout the year and it hardly seemed necessary to expend further time on them but rather to confine our thoughts and efforts to future activities.

The report of the Election Board on the results of our mail ballot for the election of officers to serve for 1940 was then called for. Henry Olsen, acting as chairman of this board, brought in the following report: For President, Conrad Frey; First Vice-President, Edward B. Lloyd; Secretary-Treasurer, C. Louis Alling; Vice-Presidents: Roland H. Patch, H. Dewey Mohr, Gordon F. Waaser, Dr. Bruce B. Preas, E. E. Tooker, Harley T. Peck, Mrs. Charles H. Stout, J. Louis Roberts, C. E. Wildon, Edward J. O'Keefe, Louis B. Tim, J. W. Johnston, Nick Koenig, F. V. R. Veirs, Glenn T. Mack, Dr. Del Marr, Mrs. Georgena Humble, Mrs. F. S. Fisher, Bruce Collins, C. E. Faust, Roy W. Webb, John S. Vincent, G. A. Richardson, R. P. Liphart, Dr. Ward H. Cook, B. B. Melgaard, Earl V. Newton, C. W. Leubbe, H. T. Mills and Al Cavannah. For trustee to 1943, George W. Fraser.

The entire list of officers was then declared duly elected and Ex-President Warren W. Maytrott retired to escort President-Elect Conrad Frey to the chair. Mr. Maytrott made a few brief remarks assuring Mr. Frey of our fullest coöperation as did retiring President Dudley and Ex-President Alling. Mr. Frey then made a short address part of which follows:

"I deem it an honor to be elected President of the A. D. S. and wish to thank you all. I know it is a big job and will require a lot of time and hard work, to continue the good work of our past President, Mr. Dudley, who has done such a fine job.

"The past two years have seen a very rapid and extremely pleasing growth in the number of our branch, or participating societies. We now have sixteen, with a total membership of between six and seven hundred. There are also very bright prospects of several more joining with us in the near future. This has not only served to increase our membership and our *BULLETIN* circulation but it has also created a very fine spirit of coöperation between our participating groups.

"Our treasurer's report will show that our finances are in much better condition than for several years. All old indebtedness has been wiped out and our only obligations are current bills.

"In order to continue this good work it will require coöperation at its highest degree and to do this we will have to have very active committees which will function and keep on their toes. Anyone who wishes to serve on committees kindly report at the next meeting.

"In the past two or three years we have lost by death,

many of our dear old Dahlia friends which were the backbone of the Society. It is very necessary to replace them. What we must have is younger members becoming active on committees if we want to go ahead. If we do not get this coöperation we will die a natural death. All members are a committee at large. What we also need are new members if we wish to go forward. The committee would like you to talk and dream A. D. S. and Dahlias and get new members. How many will pledge themselves to get at least one new member or renewal of a former member to good standing?

"Any member who has any suggestion to make for the good of the Society will be interviewed by the respective committee and don't be backward with your ideas.

"I do not propose to break up a good working organization. I do not expect to make many changes in the committees so long as they function properly. I can only ask, and I know I will receive, the same support that you have given our past presidents."

The report of Secretary-Treasurer C. Louis Alling was then read showing receipts of \$5,186.67 and expenditures of \$4,977.33 during the past year. There has been a substantial gain in membership, particularly through our participating societies. All old indebtedness has now been paid and our present obligations being current bills.

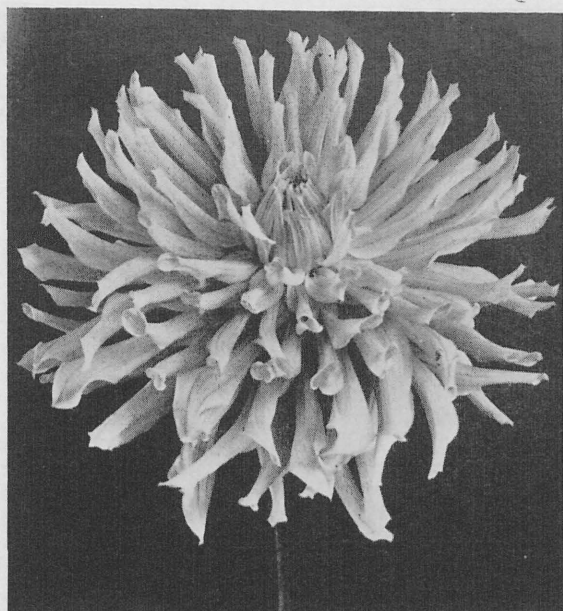
The Show Committee reported that negotiations were taking place with the idea of holding our 1940 Show in the Gardens on Parade at the New York World's Fair. Tentative dates selected were Friday, Saturday and Sunday, September 20th, 21st and 22nd, these dates being in conformity with the wishes of the authorities of the gardens.

An innovation in the methods of awarding medals for new varieties was suggested by Mr. J. W. Johnston. This plan called for the awarding not one but several medals if there were worthy entries. Mr. Johnston pointed out that as many as five roses had been awarded medals during a single year. This plan provides recognition for all meritorious entries and does not place too much stress on the personal taste of the judges. The plan was adopted for use at future exhibitions.

The suggestion that a list be made up classifying all varieties as to type and color brought forth a lengthy discussion. Inasmuch as Dahlias react differently in various parts of the country it was felt that it would be impractical to compile such a list to cover all sections. However, the idea has much to recommend it and it was voted to have a committee appointed to work on such a plan.

Professor Patch, in charge of our Storrs, Connecticut, Trial Gardens, read a most interesting report on the activities of the garden during the past year which will be found in full elsewhere in this number. He also presented a plan whereby a garden would be set aside to accommodate a limited number of plants which would be given exhaustive scientific tests for various purposes. Professor Patch was asked to head a special committee to make selections for this garden which would be limited to sixty varieties. It was voted that we accept

(Continued on page 31)



G. J. MENDEL—Lilac pink Semi-Cactus

The Use of Colchicine in Inducing Polyploidy in Dahlias

By D. T. Morgan, Jr.

Cuyahoga Dahlia Gardens, Cuyahoga Falls, Ohio

[Mr. Morgan is well known to A. D. S. members as the originator of "Sleepy Hollow" and introducer of "Alice May."—EDITOR.]

During the season past, experiments attempting to induce polyploidy (multiplication of the chromosome number) were performed by the writer. Aqueous solutions of .8% and .4% were used on fifteen different varieties and in every case apparent polyploidy resulted.

Colchicine is an alkaloid having the empirical formula $C_{22}H_{25}NO_6$. It is found in the corms and seeds of *Colchicum autumnale*. The yellow amorphous powder is water soluble and quite poisonous. It is also quite expensive, selling for approximately \$25 an ounce. Colchicine has a peculiar effect on normal cell division (mitosis) of plants. During normal mitotic division of the growing tip of the plant, each daughter cell receives the normal chromosome complement, 64 in Dahlias, from the parent cell. However colchicine hinders normal cell division by inhibiting the formation of the spindle fibres along which the two daughter sets of chromosomes separate. Thus a cell is formed, after recovering from the shock of treatment, divides normally and passes its new number of chromosomes to the daughter cells. Consequently polyploid tissue is formed, and this tissue is most easily recognized by the heavy, rough texture of the leaves.

Polyploidy commonly causes an increase in size of plants and flowers and naturally is of considerable value in plants where size is considered a premium. In fact, genetical observations have shown that natural poly-

ploidy occurs frequently in Dahlias, and a number of our largest varieties are probably polyploids.

During the formation of the pollen grains and the embryo sacs, reduction division takes place, and the pollen grains and embryo sacs contain one-half the number of the chromosomes possessed by the plant that produces them. When the sex cells of the pollen grain and the embryo sac unite during fertilization, the zygote or fertilized egg, which later develops into the embryo, contains the normal number of chromosomes. Thus seedlings from polyploid parents are also polyploid, and it is with the seedlings that colchicine treatment should prove of greatest value as Dahlia seedlings exhibit so many valuable variations. Colchicine treatment may enable the Dahlia breeder to develop new polyploid varieties that would be much larger and better than any of the present day.

Two methods of application were employed; the capillary string method, and direct application with an ordinary nasal atomizer. The latter method proved more satisfactory. In the middle of August the aqueous solutions were sprayed directly on the growing tips of vigorous lateral branches of healthy plants. Within one week all the branches thus treated showed visible evidence of polyploidy as the young tissue that developed from the treated growing tip was much rougher and heavier than usual. Both .8% and .4% solutions were apparently too strong as a pronounced stunting effect was noticed and recovery was very slow. Frost destroyed the plants on the tenth of October before any of the polyploid laterals had flowered although several had large buds when they were frozen.

Next season I plan to apply weaker dilutions of colchicine to green plants before planting time and thus eliminate a large part of the undesirable stunting effects of the treatment. Cytological (cellular) examinations will be made to determine the exact extent of polyploidy.

I should be pleased to learn if any other breeder is working with colchicine in Dahlias.

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CATALOGERS, ATTENTION!

The American Dahlia Society is endeavoring to maintain a card list of all varieties of Dahlias in cultivation. In order to maintain this list, it is necessary to know what varieties are introduced each year. Accordingly, it is requested that each Dahlia grower issuing catalogue or list send a copy each year to the undersigned. This is urgently requested to all who are introducing new varieties.

The Committee on Nomenclature of the American Dahlia Society is charged with what seems to be an impossible task, that of preventing synonymy. Many growers originate or introduce varieties under names which are currently used for other varieties. One of the purposes of our list is to prevent this as far as possible. Any introducer should consult the Committee on Nomenclature to find whether a name is in use. This will prevent having four varieties in the current lists having the same name.

Dr. C. H. Connors, Chairman, Committee on Nomenclature, New Jersey Agricultural Experiment Station, New Brunswick, N. J.

AUSTRALIA CALLING AMERICA

By L. P. FitzGerald, Dahlia Hybridist, Barrow Street, Brunswick, Victoria, Australia

In these troublous times it is a pleasure to be able to turn one's mind to such a nerve-soothing tonic as Dahlias. Moreover, it is a pleasure to converse by letter to our friends across the water. From unhappy Europe, from distant India, from sunny South Africa, and from the Great American Confederation come letters of immense interest to us. We always get a thrill when we hear from an overseas friend; and it is with the hope that we may have news of interest to you, that we offer these comments on Dahlia growing in Australia.

General Growing Conditions

Australia is no "tiny island in the Pacific." Rather it is a vast continent with weather ranging from torrid tropical to frigid antarctic. We have extremes of heat, cold, snow, frost, humidity, rain, and cyclone. For example, a letter from a friend in Mackay in the far north of Queensland tells of 50 inches of rain in a few weeks. The Dahlias were drowned in that downpour. But our correspondent cheerfully got some new plants and cultivated them again. You can do that in the "land of eternal sunshine."

Drought on the other hand, was a constant bugbear to our Kalgoorlie (famous for gold mining) friend. Now a giant pipe line has solved his domestic and Dahlia growing difficulties. Again, a Central Australian enthusiast has actually grown Dahlias with artesian-bore water!

Finally, we Victorians who enjoy our equable temperate climate with summer from December to March and Autumn till May or June, have ideal Dahlia growing land—except a well-known deficiency of phosphorus. However, the tiny Pacific Island of Nauru supplies our needs in that direction.

Australia and American—Contrasts in Dahlia Outlook

As editor of the leading Australian floral magazine we continually emphasize the latest trends in American thought on Dahlia growing. The idea of the score-card, of scientific judging, of cloth house culture and a dozen other things have appealed to us. However it is rather hard to change the native ideas of a country, and the less enlightened and most conservative growers seem to cling lovingly to old-fashioned exploded ideas. To us, America has always been the home of the Dahlia—especially of the giant decorative.

From Europe have come some glorious cactus types, and from Australia have originated some very beautiful colour breaks. However, we must hand it to America for greatest Dahlia development, especially as regards research.

One point where we are sadly lacking is in the matter of classification. There is little unification, practically no clear-cut definition, and every judge is still "a law unto himself" able to give unlimited effect to any personal friends or prejudices he may have.

By the way, as we write the temperature is hovering about the 90° mark, the crowds are hurrying to the sea-coast, and everywhere the white-flannelled cricketers and tennis players are enjoying the warmth of old King Sol. A very warm summer is indicated. In a month or two (in February) the perspiration will stream from

us when we visit the glasshouse with its 130 degrees of heat.

Dahlia Debutantes for 1940

Among the American, Australian and European Dahlias, which will pass across the stage of Dahliadom in this continent during the coming season, we anticipate some pleasant surprises.

First, your great *Robert L. Ripley*, the believe it or not Dahlia is a sensation. Those who saw it in our gardens were amazed and delighted. The delightful silver mauve decorative, *D. Lafond* is a beautiful new Australian Dahlia; and likewise the Queensland champion, *Dovercourt*, is highly regarded.

We wrote to our great soprano, Gladys Moncruiff, and offered to name a Dahlia after her. She expressed great pleasure, and we called a new orchid pink and cream cactus after our much-admired "songstress of the South."

The Salem *Greater Glory* is one of the most artistic cactus we have seen. A really good one from Germany is *Gerald*, a hydrangea pink cactus with superbly formed blossoms. A biggish naphthaline violet overlaid royal purple is *Harry Lancaster*—an immense broad petalled decorative. Very popular and highly praised is the Canadian glistening white *Ina Bice*. From the same country is one of our favorites, *Janet Halliwell*, which has a formation that is difficult to describe with mere words. The petals project outwards in a ray effect, but the margins of each are fluted and appear as if made of crepe paper.

The spectacular American, *Kentucky Sportsman*, and the broad-petalled, *Kentucky Sun*, are highly rated by the few people who have been privileged to see these varieties in this country.

From Czecho Slovakia came *Weltrouder*. This new cactus reminds one of *Frau O. Bracht*. Its welcome freshness and rolling petals make it a leader in any company. *Tager de Reiss* is an Austrian of rare size and substance. It is an unusual melange of rich salmon overlaid glowing coral.

Finally we expect great things from a fine new Australian, *Aileen Scholtz*. Its delicate shade of orchid pink merging to shell pink towards the centre constitute a beautiful cactus indeed. Likewise *Mavis Tierney* and *Margaret Hamuski* are new names that represent fine new Dahlias.

Finale

And so we ring down the curtain on this very brief survey of new Dahlias and Dahlia growing in Australia. You will hear from us in the middle of 1940, after the conclusion of our big Dahlia Shows. It only remains to say that we look forward with great interest to Dahlia news from America. Such fine publications as our American Dahlia Society BULLETIN do the Dahlia world an incalculable amount of good.

And here's good growing to all you Dahlia fans across the ocean—to the New Yorkers and others on the East coast, across the rolling plains and right to the long Pacific coastline!

REPORTS OF THE TRIAL GROUNDS

Report of the American Dahlia Society Trial Garden at the University of Connecticut

STORRS, CONNECTICUT, 1939

By Roland H. Patch
Associate Professor of Floriculture

The year 1939 has passed into history. It is now January, 1940. Outside the sun is shining brightly, a cold wind is blowing hard and there is a thin covering of snow on the ground. It is a good time to prepare a past season summary of our work here at Storrs with the Dahlia.

In general it was a successful season. This means from all the various angles such as may be illustrated by the weather, growth, scoring, Field Day program, and the writing of the varietal descriptions.

Growth was not ideal but at the end of the season it was good. Altogether it was a dry season and for that matter we have not caught up at the present time with our normal rainfall. Soon after September 9th, which was the date of the Field Day, rain came which gave the plants a new incentive for living. This, with cooler nights and dew, caused the Dahlias to make a creditable showing during the first two weeks in October.

It should be noted here that a change in name of this institution took place on July 1, 1939. This was because of a law passed, last winter, by the Connecticut State Legislature authorizing a change from Connecticut State College to The University of Connecticut. Consequently correspondence should now be addressed to this latter name at Storrs, Connecticut.

Also, over a period of two years some two million dollars worth of construction is under way. A new Home Economics building is being built just east of the greenhouse. There are two new dormitories, one for men and the other for women. A new Engineering building and Library have been occupied since September. To properly heat our buildings a new heating plant and distribution system had to be provided. Many of the Dahlia fraternity who have been here in the past would hardly recognize Storrs as it is today.

It happens that the old Dahlia plots are right in the path of some of the development mentioned and so a new location had to be arranged for. This was a place formerly called the "Faculty Gardens." In other words, the land had been under cultivation by staff individuals for a good many years and was not an entirely new piece of ground. The "White Showers" had to be taken down and set up in the new location. A connection was needed in the water main to supply the irrigation system and electricity was carried to the middle of the garden. This was so the insect light trap could be used if we wished to as well as a new Bean Power Sprayer.

Entries totalled 206, belonging to 108 individuals or firms. Twenty-three states and one foreign country (Holland) represented. Eighteen varieties were scored 85 or better and are entitled to a Certificate of Merit from the American Dahlia Society. Forty-four varieties

were rated between eighty and eighty-four, one hundred ten between seventy and seventy-nine, six between sixty and sixty-nine inclusive. There were twenty-eight varieties recommended for retrieval another year.

The scoring was well attended to with point score cards being filled out in the majority of cases. It should be said that during Mr. Lynn B. Dudley's term as President he has coöperated in many ways to make sure that the judging was properly done here at Storrs. The writer holds no brief for what was done. It is a big undertaking to rate the number of varieties that were here last season and it is not surprising that some loose ends are in evidence. Those contributing to the rating process are as follows: M. P. Bujak, Dr. W. H. Cook, George R. Currie, Lynn B. Dudley, George W. Fraser, Conrad Frey, Edward Lloyd, Warren W. Maytrott, F. F. Moore, R. H. Wood.

One of our dependable helpers for many years in the trial gardens and one who loved his Dahlias, Charles C. McCracken, was taken by death at the age of 46 and was buried in the Willimantic Cemetery on August 23rd. He was born in Ashford, Connecticut, and died of a heart attack in Montville, Connecticut. Always happy and right there when one called "Charlie." It is not quite the same without him.

At the annual meeting of the American Dahlia Society in 1939 we talked about purchasing some photographic equipment. Accordingly; an Argus camera, light meter, tripod and projector were arranged for. The camera was used when the Dahlias were at their best and some ninety pictures were taken. The work was done by our greenhouse foreman, Mr. R. H. Wood. Our hope is to go on again with this work next year and to do better than we did last year.

Frost killed the Dahlia plants on the night of October 15th.

This report follows closely those of previous years. If anyone has a question or criticism we are glad to hear it.

(Continued on page 18)

Judges Scoring—(left to right) George Fraser, Conrad Frey, Warren Maytrott, Lynn B. Dudley, Dr. F. F. Moore, Edward B. Lloyd





GINGER RODGERS—Score 85E, Yellow I. D. originated by Mrs. J. C. Burks, Lynchburg, Virginia, will be exhibited at shows this fall by Ruschmohr

Trial Ground Reports—Cont. from p. 17

A most successful Field Day program was held on September 9th. We are now looking forward to another one in 1940 and for those who make plans early it should be said that the date will be September 14th. Better put it down on your desk pad so as not to forget.

The "Tooker" Fertilizer and Timing Garden was carried on very much as it has been since it came into existence. It was not a success because of the dry season. This does not mean that there were not good flowers in that garden, there were, but still it did not seem to rate with what we had the second season of its operation. At that time we were able to bring the majority of the plants into flower for a real display on Field Day.

Looking into the future, it is suggested that a change be made in the plan for the Fertilizer and Timing Garden. Instead of depending on Mr. Tooker and others for stock of the leading standard varieties we will decide on a number of the high scoring exhibition varieties that have been in the trial garden the previous year and request the owners of them to send plants for the "Tooker" garden. Each succeeding year the same scheme can be followed with the idea of using the newer varieties. Notes can then be taken which should mean something to those having an interest in this type of a garden.

The writer desires again to thank all those who have had a part in the trial ground work. Miss Barbara T. Everett, a recent graduate of The University of Connecticut was employed early in May and helped a great

deal in the taking of the notes as well as in the writing of the varietal descriptions. It was largely through the efficient direction of Mr. M. P. Bujak of the Grounds Department that the actual labor in the Dahlia gardens was taken care of. Mrs. R. H. Patch prepared the color descriptions for the report. Messrs. George W. Fraser and William B. Sweeney of Willimantic, Connecticut, are strong supporters of what is done here at Storrs in cooperation with the American Dahlia Society.

DAHLIAS SCORING 85 OR BETTER

8. 32-65. Stake Nos. 22, 23, and 24. Formal Dec., entered by Mrs. R. D. McAuliffe, 486 32nd Avenue, San Francisco, California. (85C). White with tints of sulphur yellow towards center. Flowering habit good, stem $6\frac{1}{2}$ -15 in., medium, flower on side. Stem improved by disbudding, the flower is larger. Size of flowers $4\frac{1}{4}$ -7 in., depth $1\frac{3}{4}$ - $4\frac{1}{4}$ in. Height 5 ft. 3 in.

15. BANDOENG. Stake Nos. 43, 44, and 45. Informal Dec., entered by J. G. Ballego and Sons, "Bloemhove," Leiden, Holland. (85E). Striking lemon yellow center petals streaked and tipped with ochraceous orange and coral red, back of center petals streaked with amaranth purple. Outer petals pale lemon yellow at base, shading to buff yellow streaked with ochraceous orange and coral red. Backs of outer petals streaked with amaranth pink and Pomegranate purple. Flowering habit prolific, stem $4\frac{1}{2}$ -11 in., medium to slender, flower facing side, stiff. Both flower and stem greatly improved by disbudding. Size of flowers $5\frac{1}{2}$ -9 in., depth $2\frac{1}{2}$ -5 in. Height 5 ft. 8 in.

19. YELLOW GIANT. Stake Nos. 55, 56, and 57. Incurved cactus, entered by J. G. Ballego and Sons, "Bloemhove," Leiden, Holland. (86C, 85E). Light greenish yellow. Flowering habit good, stem $5\frac{1}{4}$ -16 $\frac{1}{2}$ in., medium stiff, flower on side, not improved by disbudding, tends to throw green centers in flowers. Size of flowers $5\frac{1}{2}$ -8 $\frac{1}{2}$ in., depth 2-4 in. Height 5 ft. 3 in.

29. 2-36. Stake Nos. 85, 86, and 87. Miniature Formal Dec., entered by John Young, Bide-a-Wee Court, 221 Asilomar Boulevard, Pacific Grove, California. (85S). Spectrum red with slightly darker center petals. Flowering habit fair, stem $3\frac{1}{4}$ -9 in., slender, wiry. Size of flowers $2\frac{1}{2}$ -3 $\frac{3}{4}$ in., depth 1-2 in. Height 4 ft.

53. BRASS BUTTON. Stake Nos. 157, 158, and 159. Pompon, entered by Bertha Linduff, R. R. 1, New Cumberland, West Virginia. (85S). Light greenish yellow. Flowering habit prolific, stem 1-5 in., slender, wiry. Size of flowers $1\frac{1}{2}$ -2 in., depth 1-1 $\frac{1}{2}$ in. Height 3 ft. 6 in.

72. MRS. JAMES ALBIN. Stake Nos. 214, 215, and 216. Formal Dec., entered by Badetty Brothers, Huntington Dahlia Gardens, Huntington, New York. (85C). Light greenish yellow to pale greenish yellow. Flowering habit good, stem 4-12 in., medium, stiff, erect, flowers on side. Both flower and stem improved by disbudding. Size of flowers $5\frac{1}{4}$ -7 $\frac{1}{2}$ in., depth $2\frac{1}{4}$ -4 $\frac{1}{2}$ in. Height 5 ft. 3 in.

73. 10-35. Stake Nos. 217, 218, and 219. Miniature Formal Dec., entered by Badetty Brothers, Huntington Dahlia Gardens, Huntington, New York. (85S). Outer petals apricot yellow overcast with carrot red, inner petals more colored with carrot red, center Jasper red brightened with scarlet red due to backs of unopened and partially opened center petals, each petal has a sharp line of carrot red marking each of the two main veins. Flowering habit good, stem 4-10 $\frac{1}{2}$ in., slender, upright, erect, flowers usually on side but occasionally facing upward. Size of flowers $2\frac{3}{4}$ -3 $\frac{1}{2}$ in., depth $1\frac{3}{4}$ -2 $\frac{1}{4}$ in. Height 5 ft. 2 in.

76. 55-35. Stake Nos. 226, 227, and 228. Miniature Formal Dec., entered by Badetty Brothers, Huntington Dahlia Gardens, Huntington, New York. (85S). Flame scarlet to bittersweet orange, closed center petals Jasper red. Flowering habit prolific, stem 2-14 in., slender, wiry, a little soft. Size of flowers 2-3 in., depth 1-2 in. Height 4 ft.

92. GINGER RODGERS. Stake Nos. 274, 275, and 276. Informal Dec., entered by Mrs. J. C. Burks, 10 Quinlan Street, Lynchburg, Virginia. (85E). Light greenish yellow. Flowering habit good, stem 9-16 in., medium to heavy, flowers usually on side but some tend to face upward. Size of flowers $7\frac{1}{4}$ -9 $\frac{3}{4}$ in., depth 4-6 in. Height 4 ft. 8 in.

123. RED ROBIN. Stake Nos. 367, 368, and 369. Miniature Formal Dec., entered by Warren W. May-

trott, Dahliadel Nurseries, Vineland, New Jersey. (85S). Scarlet, nopal red center. Flowering habit good, stem $3\frac{1}{2}$ -9 in., slender. Size of flowers 2- $3\frac{1}{2}$ in., depth 1- $2\frac{1}{4}$ in. Height 3 ft. 6 in.

132. 34-20. Stake Nos. 394, 395, and 396. Informal Dec., entered by Stephenson's Dahlia Gardens, 2318 Hill Street, Santa Monica, California. (85E). Nearest a dark Rhodamine purple with a velvety sheen, center rows dull dark purple with sheen. Flowering habit good, stem 9-22 in., heavy to extra heavy, stands dis-budding well, both flower and stem improved. Size of flower $8\frac{1}{2}$ -12 in., depth $3\frac{3}{4}$ -6 in. Height 4 ft.

137. RED SINGLE SEEDLING. Stake Nos. 409, 410, and 411. Single, entered by Dr. Bruce B. Preas, Mer-rick Road, Rockville Center, L. L. N. Y. (85S). Between a Rhodamine purple and Tyrian, edges shade to mallow pink, pale lemon yellow at base of petals. Flowering habit good, stem 5-15 in., wiry, some flowers facing side and some facing upwards. Size of flowers $3\frac{3}{4}$ -5 in., depth $\frac{1}{2}$ -1 in. Height 5 ft. 3 in.

144. NO. 105. Stake Nos. 430, 431, and 432 (blasted). Semi-cactus, entered by Conrad Frey, 245 High Street, Nutley, New Jersey. (85E). Light greenish yellow. Flowering habit good, stem 6-12 in., good, medium to heavy, flowers on side. Size of flowers 7-10 $\frac{1}{2}$ in., depth $2\frac{3}{4}$ -5 $\frac{1}{2}$ in. Height 5 ft. 3 in.

147. 9-8. Stake Nos. 439, 440, and 441. Semi-cactus, entered by J. Louis Roberts, 12147 Harvard Avenue, Chicago, Illinois. (85E). Spectrum red with velvety sheen, center rows of petals more carmine, closed center rows have Lillene buff backs. Flowering habit a little late, stem $4\frac{1}{2}$ -14 in., medium to slender, extra heavy on disbudded plant. Both flower and stem improved by disbudding. Size of flower 7-10 $\frac{1}{2}$ in., depth 2-5 in. Height 5 ft. 3 in.

151. CHEMAR'S DAHLIAMUM. Stake Nos. 451, 452, and 453. Informal Dec., entered by James Marsh, Chemar Dahlia Gardens, 192 School Street, Oyster Bay, New York. (86E). Outer rows honey yellow with a gold sheen, center rows orange cinnamon. Flowering habit prolific, stem 2-12 in., medium to extra heavy, majority of flower on end facing upward. Disbudding improves flower and stem in all points, deepens the color. Size of flowers 6-11 $\frac{1}{2}$ in., depth $2\frac{1}{4}$ -8 in. Height 4 ft. 6 in.

152. GRAIN-O-GOLD. Stake Nos. 454, 455, and 456. Pompon, entered by E. E. Tooker, 100 Windsor Avenue, Rockville Center, L. L. N. Y. (85S). Light greenish yellow, tips of center rows touched with buff pink. Flowering habit prolific, stem 2-7 in., slender, wiry, holds flower well up. Size of flowers $1\frac{1}{4}$ - $2\frac{1}{4}$ in., depth $\frac{3}{4}$ -1 $\frac{1}{2}$ in. Height 3 ft. 8 in.

170. PURP. Stake Nos. 505, 506, and 507. Miniature Formal Dec., entered by Lynn B. Dudley, 18 Inter-laken Drive, Tuckahoe, New York. (85S). Rhodamine purple shaded with aster purple, center petals Dahlia purple. Flowering habit good, stem 2-7 in., slender, wiry, flowers facing upward. Size of flower $1\frac{3}{4}$ -2 $\frac{1}{2}$ in., depth 1-1 $\frac{3}{4}$ in. Height 4 ft. 6 in.

206. LITTLE SNOW WHITE. Stake Nos. 613, 614, and 615. Miniature Ball, entered by Wm. A. Finger, Jr., Locust Valley Dahlia Farm, Cold Spring Harbor, L. L. N. Y. (85S). White, faintly tinged with sulfur yellow toward center. Flowering habit late, stem 5-11 in., medium to slender, wiry, flowers facing side. Size of flowers $2\frac{1}{4}$ -2 $\frac{3}{4}$ in., depth $1\frac{1}{4}$ -2 in. Height 3 ft. 4 in.

DAHLIAS SCORING FROM 80 TO 84 INCLUSIVE

4. CANARY QUEEN. Stake Nos. 10, 11, and 12. Miniature Formal Dec., entered by Albert C. Reukauff, Haddonale Dahlia Gardens, Haddon Heights, New Jersey. (80S). Pale greenish yellow, shading to sulphur yellow. Flowering habit prolific. Stem 2-8 $\frac{1}{2}$ in., slender, wiry. Size of flowers $2\frac{1}{2}$ -4 $\frac{1}{2}$ in., depth 1-2 $\frac{1}{2}$ in. Height 4 ft. 1 in.

5. KILGORE'S AMERICA LEE. Stake Nos. 13, 14, and 15. Informal Dec., entered by Charles Kilgore, Kilgore's Dahlia Garden, Winona, West Virginia. (81E). Begonia rose center ends of lemon yellow. Closed center petals spinal red. Flowering habit fair, stem $2\frac{1}{2}$ -10 in., heavy to medium both flower and stem are improved by disbudding. Size of flowers 7-11 in., depth $3\frac{1}{2}$ -6 in. Height 5 ft. 6 in.

6. KILGORE'S LUCIFER. Stake Nos. 16, 17, and 18. Semi-cactus, entered by Charles Kilgore, Kilgore's Dahlia Gardens, Winona, West Virginia. (83E). Light carmine, very edge of petals streaked with chamois. Center petals Van Dyke red. Flowering habit good, stem 6-14 in., medium, flower on side, does hang head

some. Both flower and stem improved by disbudding. Size of flowers $7\frac{1}{2}$ -11 in., depth 3-5 in. Height 5 ft.

11. G. J. MENDEL. Stake Nos. 31, 32, and 33. Straight cactus, entered by H. Carlee, Haarlem, Holland. (81C). Phlox pink with center petals a light phlox purple. Flowering habit good, stem 2-9 in., slender, wiry. No evident improvement from disbudding. Size of flowers $5\frac{1}{4}$ -7 $\frac{1}{2}$ in., depth $2\frac{1}{4}$ - $3\frac{1}{4}$ in. Height 3 ft.

16. LEIDEN'S MINIATURE. Stake Nos. 46, 47, and 48. Miniature Peony, entered by J. G. Ballego and Sons, "Bloemhove," Leiden, Holland. (80S). Hellebore red shading to rhodonite pink. Flowering habit fair, stem $2\frac{1}{4}$ -7 in., slender, wiry. Size of flowers $2\frac{1}{2}$ - $3\frac{1}{4}$ in., depth 1-1 $\frac{1}{2}$ in. Height 3 ft.

33. III. Stake Nos. 97, 98, and 99. Informal Dec., entered by Henry Zoured, 20-37 29th Street, Astoria, L. I. C., New York. (80E). General appearance is apricot orange, center petals cinnamon-rufous. Flowering habit fair, stem 2-11 in., extra heavy, flower on end facing up, no evident improvement from disbudding. Size of flowers $7\frac{1}{2}$ -11 in., depth $2\frac{1}{2}$ -5 in. Height 3 ft. 6 in.

41. SUN PROOF. Stake Nos. 121, 122, and 123. Pompon, entered by J. Barrie, 3351 Brygger Drive, Seattle, Washington. (83S). Carmine. Flowering habit good, stem $1\frac{1}{2}$ -9 in., slender, stiff, flower on side. Size of flowers $1\frac{1}{4}$ -1 $\frac{3}{4}$ in., depth $\frac{3}{4}$ -1 $\frac{1}{4}$ in. Height 4 ft. 4 in.

43. MRS. FRED L. TENNANT. Stake Nos. 127, 128, and 129. Informal Dec., entered by Fred L. Tennant, 1139 Chestnut Street, Chester, Pennsylvania. (80E). Nearest a deep rose red with velvety sheen, backs of closed center petals magenta. Stem 7-14 in., heavy flower on side. Not greatly improved by disbudding, stem too large and stiff. Size of flowers $7\frac{1}{4}$ -9 $\frac{1}{4}$ in., depth $3\frac{1}{2}$ -6 in. Height 6 ft. 6 in.

47. BARBARA. Stake Nos. 139, 140, and 141. Miniature Formal Dec., entered by Robert Schmidt, State College Station, Raleigh, North Carolina. (80S). Rose red, center petals aster purple. Flowering habit good, stem $3\frac{1}{2}$ -7 $\frac{1}{2}$ in., slender, wiry, stiff. Size of flowers $2\frac{1}{4}$ -3 in., depth $1\frac{1}{4}$ -2 in. Height 4 ft. 3 in.

48. YELLOW COMET. Stake Nos. 142, 143, and 144. Semi-cactus, entered by Mrs. Josephine Derse, 308 Oakwood Avenue, Oconomowoc, Wisconsin. (81E). Light greenish yellow. Flowering habit fair, stem $3\frac{1}{2}$ -12 in., medium, good, flower on side. Size of flowers 7-10 in., depth $2\frac{1}{2}$ -4 in. Height 4 ft. 3 in.

49. EMOGENE MALONE. Stake Nos. 145, 146, and 147. Miniature Ball, entered by James A. Malone, 27 Harris Street, Haledon, New Jersey. (81S). Scarlet red. Flowering habit prolific. Stem $2\frac{1}{2}$ -8 in., slender, wiry, somewhat soft. Size of flowers $1\frac{1}{4}$ -2 $\frac{1}{4}$ in., depth $\frac{3}{4}$ -1 $\frac{1}{2}$ in. Height 3 ft. 11 in.

54. FUNNIFACE. Stake Nos. 160, 161, and 162. Miniature Informal to Formal Dec., entered by Bertha Linduff, R. R. 1, New Cumberland, West Virginia. (80S). Spectrum red and white variegated, in some, whole blossom is variegated; in some, only half with other half plain spectrum red. Flowering habit good, stem $1\frac{1}{2}$ -7 $\frac{1}{2}$ in., slender, wiry, inclined to droop. Size of flowers 2-2 $\frac{3}{4}$ in., depth $1\frac{1}{4}$ -2 in. Height 4 ft. 2 in.

66. TWIN TOWNS. Stake Nos. 196, 197, and 198. Informal Dec., entered by John Peppet, Bloomingdale, New Jersey. (83E). Light greenish yellow. Flowering habit good, stem $4\frac{1}{2}$ -13 in., medium to heavy, soft, tends to droop. Both flower and stem improved in size by disbudding. Size of flowers 6-11 $\frac{1}{4}$ in., depth $2\frac{3}{4}$ -5 $\frac{1}{4}$ in. Height 5 ft. 6 in.

68. GOLDEN DAWN. Stake Nos. 202, 203, and 204. Informal Dec., entered by R. Paul Comstock, Comstock Dahlia Gardens, 5140-35th Street, San Diego, California. (80E). General appearance is carrot red with a good deal of empire yellow shading. Flowering habit fair, stem $4\frac{1}{2}$ -14 in., medium to heavy, good, flower usually on side, but in some cases facing upward. Disbudding seems to make flowers deeper colored. Size of flowers 4-9 $\frac{1}{2}$ in., depth $1\frac{1}{4}$ -5 in. Height 5 ft. 3 in.

69. ACE HIGH. Stake Nos. 205, 206, and 207. Semi-cactus to Informal Dec., entered by Al. C. Eggert, Old Trail Dahlia Gardens, 1305 Forsythe Avenue, Columbus, Ohio. (82E). Light greenish yellow. Flowering habit good, stem 10-17 $\frac{1}{2}$ in., medium to extra heavy, flowers usually on side but facing upward on disbudded plant. Both flower and stem improved by disbudding. Size of flowers 6-10 in., depth $2\frac{1}{2}$ -5 in. Height 5 ft. 7 in.

(Continued on page 20)

Trial Ground Reports—Cont. from p. 19

74. 13-35. Stake Nos. 220, 221, and 222. Miniature Formal Dec., entered by Badetty Brothers, Huntington Dahlia Gardens, Huntington, New York. (80S). Light greenish yellow to pale greenish yellow. Flowering habit fair, stem 3-17 in., slender, erect, flowers usually on side but sometimes facing upward. Size of flowers $2\frac{1}{4}$ - $3\frac{1}{2}$ in., depth 1-2 in. Height 4 ft. 6 in.

75. 15-37. Stake Nos. 223, 224, and 225. Miniature Formal Dec., entered by Badetty Brothers, Huntington Dahlia Gardens, Huntington, New York. (80S). Greenish white, center becoming a deep seafoam green, base of petals a light greenish yellow, reflection from the bases of these petals gives whole flower a pale greenish cast. Flowering habit prolific. Stem $3\frac{1}{2}$ -9 in., slender, wiry. Height 5 ft. 11 in.

93. MISS PITTSBURGH. Stake Nos. 277, 278, and 279. Straight Cactus, entered by Rev. A. J. Stewart, 352 La Marido Street, Pittsburgh, Pennsylvania. (83C). Rose color shading to light rose color near base of petals, closed center petals aster purple. Flowering habit fair, stem 1-11½ in., medium, erect, flower on side. Size of flowers $4\frac{3}{4}$ -7 in., depth 2-4 in. Height 4 ft.

97. AUTUMN BEAUTY. Stake Nos. 289, 290, and 291. Informal Dec., entered by E. J. Wind, Rocky River Dahlia Gardens, 19111 Story Road, Rocky River, Ohio. (80C, 78E). Pale lemon yellow with considerable pinkish cinnamon sheen, center petals zinc orange. Flowering habit prolific, stem $1\frac{1}{4}$ -16 in., good, medium to heavy flower on side. Both flower and stem improved by disbudding. Size of flower 5-8½ in., depth $1\frac{3}{4}$ -5 in. Height 4 ft. 10 in.

98. D-15-38. Stake Nos. 292, 293, and 294. Straight Cactus, entered by E. J. Wind, Rocky River Dahlia Gardens, 19111 Story Road, Rocky River, Ohio. (81C). A very glowing intense red between pomegranate purple and Dahlia purple, outer petals of a color resembling pomegranate purple but more intense, back of unopened center petals show Dahlia purple with streaks of light phlox purple. Tips of outer petals curl to show phlox purple backs. Flowering habit prolific, stem 3-9 in., medium to slender, flowers on side usually facing down. Both flower and stem improved by disbudding. Size of flowers $4\frac{1}{2}$ -7 in., depth 1-3 in. Height 4 ft. 9 in.

104. MASSASOIT. Stake Nos. 310, 311, and 312. Informal Dec., entered by A. A. Messier, Messier's Dahlia Gardens, 995 Main Street, Agawam, Massachusetts. (83E). Streaked with shades of Rhodamine purple to mallow purple, outer edges of back rows mallow pink. Flowering habit late, stem $7\frac{1}{2}$ -15 in., heavy to medium, flower on side tending to face downward. No evident improvement from disbudding. Size of flowers $7\frac{1}{4}$ -11½ in., depth $3\frac{1}{2}$ -7 in. Height 5 ft. 4 in.

110. S35-14. Stake Nos. 328, 329, and 330. Informal Dec., entered by Lawrence L. Wallace, Chautauqua Dahlia Fields, Mayville, New York. (80E). Velvety carmine, Dahlia purple centers. Flowering habit good, stem 3-12 in., medium to extra heavy, flowers usually on side but occasionally facing upward. Both flower and stem improved by disbudding. Size of flowers $5\frac{1}{2}$ -10½ in., depth 2-5 in. Height 4 ft. 8 in.

111. S36-33. Stake Nos. 331, 332, and 333. Semi-cactus, entered by Lawrence L. Wallace, Chautauqua Dahlia Fields, Mayville, New York. (83E). Congo pink with gold sheen, ends of petals light congo pink, center rows streaked with pale lemon yellow, same color on closed center petals. Flowering habit good, stem $2\frac{1}{2}$ -9 in., medium to slender, a curved stem. Both flower and stem improved by disbudding. Size of flowers $6\frac{3}{4}$ -9½ in., depth $2\frac{1}{4}$ -5 in. Height 5 ft. 8 in.

115. CATONSVILLE. Stake Nos. 343, 344, and 345. Semi-cactus, entered by Bernard D. Fischer, 27 Fusting Avenue, Catonsville, Maryland. (81E). Between amaranth pink and Tyrian pink. Flowering habit fair, stem medium to heavy, flower on side, tendency to droop. Slightly improved by disbudding. Size of flowers $5\frac{1}{2}$ -9 in., depth 2-5 in. Height 5 ft. 10 in.

117. BECKY THATCHER. Stake Nos. 349, 350, and 351. Formal Dec., entered by H. E. Ward, Ward Horticultural Co., 109 West Cedar Avenue, Webster Groves, Missouri. (80C). Shadings of thulite pink with tips of considerable amounts of picric yellow, closed center corinthian red. Flowering habit fair, stem 5-13½ in., medium, erect, good, flower on side. No evident improvement from disbudding. Size of flowers 5-8½ in., depth $2\frac{1}{4}$ -4½ in. Height 5 ft. 1 in.

118. GLORIA BACHER. Stake Nos. 352, 353, and 354 (did not grow). Formal Dec., entered by Miss Jennie Tudor, The Tudor Gardens, Zionsville, Indian. (80E). Velvety, Rhodamine purple shaded to mallow

purple, toward center, aster purple to Dahlia purple. Flowering habit late, stem 11-14 in., medium to extra heavy, some flowers on side and some facing upward. Size of flowers $6\frac{3}{4}$ -9 in., depth $3\frac{1}{2}$ -5½ in. Height 5 ft. 6 in.

120. DIANNE. Stake Nos. 358, 359, and 360. Semi-cactus, entered by Warren W. Maytrott, Dahliadel Nurseries, Vineland, New Jersey. (80S). General appearance of Rhodonite pink, tinges of picric yellow. Flowering habit good, stem 3-11½ in., slender, flower on side. Size of flower $2\frac{1}{2}$ -6 in., depth $\frac{3}{4}$ -3 in. Height 3 ft.

124. DAHLIADEL WONDER. Stake Nos. 370, 371, and 372. Single, entered by Warren W. Maytrott, Dahliadel Nurseries, Vineland, New Jersey. (80C). Dainty mallow pink with tinges of picric yellow. Flowering habit good, stem $3\frac{1}{2}$ -12 in., slender, wiry. Size of flowers $3\frac{1}{2}$ -5 in., depth $\frac{3}{4}$ -1½ in. Height 4 ft. 8 in.

126. M. I. Stake Nos. 376, 377, and 378. Informal Dec., entered by H. H. Robens, 41 Hall Avenue, Chagrin Falls, Ohio. (80E). Tyrian pink, center petals magenta. Flowering habit good, stem 5-12 in., medium to extra heavy, stiff, flower on side. Both flower and stem improved by disbudding. Size of flowers $5\frac{3}{4}$ -9½ in., depth $1\frac{3}{4}$ -5 in. Height 5 ft. 10 in.

128. F 5. Stake Nos. 382, 383, and 384. Formal Dec., entered by Harley T. Peck, Golden Rule Dahlia Farm, Lebanon, Ohio. (80C). Rose color, ends of petals shade to amaranth pink, center rosolane purple. Flowering habit fair, late, stem $3\frac{1}{2}$ -15 in., medium to slender, flowers facing side, stem on disbudded plant slightly larger but weaker. Size of flowers 4-7 in., depth 2-4 in. Height 4 ft. 7 in.

129. G-7. Stake Nos. 385, 386, and 387. Informal Dec., entered by Harley T. Peck, Golden Rule Dahlia Farm, Lebanon, Ohio. (82E). Rose red, near tips shades to rose, outer rows of petals shaded with maize yellow, center rows with buff yellow. Flowering habit good, stem 5-14 in., medium to extra heavy, stiff, good, flower on side. Both flower and stem greatly improved by disbudding. Size of flower 6-10 in., depth $2\frac{1}{4}$ -5½ in. Height 4 ft. 6 in.

133. WESTWOOD EMPEROR. Stake Nos. 397, 398, and 399 (sick plant, flowers not developed). Formal Dec., entered by B. E. Phillips, 1570 Westwood Avenue, S.W., Atlanta, Georgia. (80E). White, closed center petals tinged with sulfur yellow. Flowering habit—many buds, but does not bloom freely, stem 10-13 in., medium to slender, curved neck, flower on side, not a good stem. Size of flowers $5\frac{3}{4}$ -9½ in., depth $2\frac{1}{2}$ -5½ in. Height 5 ft. 3 in.

136. FLAME COLLARETTE SEEDLING. Stake Nos. 406, 407, and 408. Collarette, entered by Dr. Bruce B. Peas, Merrick Road, Rockville Center, L. I., N. Y. (80S). White tinged slightly with martins yellow, open light cadmium center. Flowering habit a little late, probably would be good, stem 4-14 in., slender, soft. Size of flowers $3\frac{1}{2}$ -5 in., depth $\frac{3}{4}$ -1½ in. Height 5 ft.

138. NO. 50. Stake Nos. 412, 413, and 414. Informal Dec., entered by Geo. C. Siebrecht, Chappaqua Gardens, Chappaqua, New York. (82E). A very striking, deep blackish carmine, center petals even darker, being between carmine and Victoria Lake, tips of outer petals a dark carmine, backs of outer petals curl to show amaranth purple streaked with mallow purple, center looks almost black, but backs of unopened center petals show ribs of mallow purple. Flowering habit good, stem 2-11½ in., medium to heavy, flower facing side. Both flower and stem improved by disbudding, flowers tend to face upward. Size of flower $5\frac{3}{4}$ -9½ in., depth $2\frac{1}{4}$ -6 in. Height 5 ft.

139. NO. 52. Stake Nos. 415, 416, and 417. Semi-cactus entered by George C. Siebrecht, Chappaqua Gardens, Chappaqua, New York. (80E). Some blooms have more color than others, shades from mallow pink to phlox pink, closed center phlox purple. Flowering habit good, stem $2\frac{1}{2}$ -10 in., medium, upright, stiff, flowers usually facing upward. Flower improved by disbudding, stems become soft and droopy. Size of flower $5\frac{1}{2}$ -9 in., depth $2\frac{1}{2}$ -6 in. Height 4 ft. 9 in.

140. MRS. C. L. GIFFIN. Stake Nos. 418, 419, and 420. Informal Dec., to Semi-Cactus, entered by Clifford Giffin, 608 Island Home Pike, Knoxville, Tennessee. (82E). Light greenish yellow. Flowering habit good, stem 5-11 in., good, medium to extra heavy, flowers usually facing side. Both flower and stem improved by disbudding. Size of flowers $5\frac{1}{4}$ -9 in., depth $3\frac{1}{2}$ -5 in. Height 5 ft. 6 in.

161. HILLCREST HOBO. Stake Nos. 481, 482, and 483. Informal Dec., entered by A. H. Rich, Box 5014, St. Paul, Minnesota. (82E). General appearance of

light Jasper red, closed center petals rosolane purple with some curled edges and streaks of light rosolane purple. Flowering habit late, stem $4\frac{1}{4}$ -15 in., medium to heavy, holds flower well up, flower facing side, both flower and stem improved by disbudding. Size of flower $7\frac{1}{2}$ -12 $\frac{1}{4}$ in., depth $2\frac{1}{2}$ -6 in. Height 3 ft. 6 in.

171. MARY LYNN DUDLEY. Stake Nos. 508, 509, and 510. Semi-cactus, entered by Lynn B. Dudley, 18 Interlaken Drive, Tuckahoe, N. Y. (83E). Very velvety outer rows between aster purple and rose red, inner rows nearest Bordeaux, center Dahlia purple with light streaks. Flowering habit fair, stem 8-16 $\frac{1}{2}$ in., medium to extra heavy, good, stiff, erect, flower facing side. Not greatly improved by disbudding. Size of flowers 6 $\frac{3}{4}$ -12 in., depth 2-6 $\frac{1}{2}$ in. Height 5 ft. 11 in.

174. 139. Stake Nos. 517, 518, and 519. Informal Dec., entered by Curtis and Son, Curtis Dahlia Gardens, Ionia, Michigan. (83E). Between Rhodamine purple and amaranth purple with curled edges showing mallow pink. Flowering habit good, stem 3-8 in., good, stiff, erect, medium to heavy, flower facing side. Not improved by disbudding. Size of flowers $4\frac{1}{2}$ -6 $\frac{3}{4}$ in., depth $2\frac{1}{2}$ -4 $\frac{1}{2}$ in. Height 5 ft.

175. PREMIER'S WINSOME. Stake Nos. 520, 521, and 522. Informal Dec., entered by George H. Swezey, Premier Dahlia Gardens, Hillside, New Jersey. (83E). Pale rosolane purple shading to mallow pink, center petals tinted with Liseran purple. Flowering habit late, fair, stem 3-10 in., medium to extra heavy, curved at neck, flower facing side. Improved by disbudding. Size of flower $7\frac{1}{4}$ -10 $\frac{1}{2}$ in., depth 3-5 $\frac{1}{4}$ in. Height 5 ft. 10 in.

176. PERMANENT WAVE. Stake Nos. 523, 524, and 525. Semi-Cactus, entered by Edward C. Nauman, 635 23rd Street, Canton, Ohio. (83E). Spectrum red at ends of petals shaded to scarlet red toward center, velvety, closed center petals carmine. Flowering habit fair, stem 3-9 in., medium to extra heavy, flower on end facing upward. Slightly improved by disbudding. Size of flowers $4\frac{1}{2}$ -10 $\frac{1}{2}$ in., depth 3-5 $\frac{1}{2}$ in. Height 5 ft.

179. B44. Stake Nos. 532, 533, and 534. Incurred Cactus, entered by F. V. R. Veirs and Sons, 718 Linwood Avenue, S.W., Canton, Ohio. (80E). Light greenish yellow. Flowering habit good, stem 6-10 $\frac{1}{2}$ in., medium, tends to droop, flowers facing side. Improved by disbudding. Size of flowers 4 $\frac{3}{4}$ -8 in., depth 1 $\frac{1}{4}$ -3 $\frac{1}{2}$ in. Height 4 ft. 4 in.

187. SULTAN OF CHEMAR. Stake Nos. 556, 557, and 558. Informal Dec., entered by James Marsh, Chemar Dahlia Gardens, 192 School Street, Oyster Bay, L. I., N. Y. (82E). Phlox pink shaded with pale amparo purple, closed center petals lights phlox purple. Flowering habit good, stem 2-10 $\frac{1}{2}$ in., medium to extra heavy, good, stiff, erect, flowers facing side. No evident improvement from disbudding. Size of flowers 6-10 $\frac{1}{2}$ in., depth $2\frac{1}{2}$ -6 in. Height 3 ft. 4 in.

195. WEDDING BELLS. Stake Nos. 580, 581, and 582. Formal Dec., entered by Sparks Dahlia Gardens, 616 Hutchins Avenue, Columbus, Indiana. (82C). White, faintly tinged with Martin's yellow toward center. Flowering habit fair, stem 6-13 in., medium to heavy, holds flower fairly well up, flower facing side. Size of flower $4\frac{1}{2}$ -6 $\frac{1}{4}$ in., depth $2\frac{1}{2}$ -4 in. Height 5 ft. 6 in.

DAHLIAS SCORING FROM 70 TO 79 INCLUSIVE

2. AZTEC CHIEF. Stake Nos. 4, 5, and 6 (did not grow). Formal Dec., entered by R. Paul Comstock, 5140-35th Street, San Diego, California. (78E). Rose red, centers have a darker velvety sheen. Flowering habit late, stem 7-16 in., heavy flower facing side. Size of flowers 7-10 in., depth $2\frac{1}{2}$ -5 in. Height 4 ft. 8 in.

7. KILGORE'S PURPLE. Stake Nos. 19, 20, and 21. Informal Dec., entered by Charles Kilgore, Kilgore's Dahlia Gardens, Winona, West Virginia. (75E). Tyrian rose with a dark sheen. Flowering habit good, stem 6-18 $\frac{1}{2}$ in., medium, flower on side facing side. Both flower and stem are improved by disbudding. Size of flowers 6 $\frac{1}{4}$ -10 $\frac{1}{2}$ in., depth $2\frac{3}{4}$ -5 in. Height 5 ft. 2 in.

10. NO. 20-37. Stake Nos. 28, 29, and 30. Informal Dec., entered by H. Carlee, Haarlem, Holland. (70E). Phlox pink outer petals diffused with creamy white, fading to pale glass green, white. Flowering habit prolific, stem 3-20 in., slender, wiry, flowers face side. Flower and stem are improved by disbudding. Size of flowers 5-8 $\frac{1}{2}$ in., depth $1\frac{1}{4}$ -4 $\frac{1}{4}$ in. Height 4 ft. 9 in.

13. KING AILHAD. Stake Nos. 37, 38, 39 and 41. Semi-cactus, entered by M. B. Neff, 5424 Victoria Avenue, Los Angeles, California. (73E). Dahlia purple



YELLOW GIANT—Score 86C, 85E, Yellow Cactus by J. G. Ballego & Son, "Bloemhove", Leiden, Holland

with deeper blackish purple center. Purple and rhodamine purple, lights throughout. Backs of petals phlox purple. Flowering habit good. Stem $3\frac{1}{2}$ -15 in., medium, tends to droop. Both flower and stem greatly improved by disbudding. Size of flowers 5-9 in., depth $1\frac{1}{2}$ -5 in. Height 5 ft. 7 in.

14. THE SHEIK. Stake Nos. 40 and 42. Informal Dec., entered by M. B. Neff, 5424 Victoria Avenue, Los Angeles, California. (75E). Aster purple with a velvety sheen. Center petals Nigrosin violet. Flowering habit good, stem 6 $\frac{1}{2}$ -16 in., medium flower facing side inclined to droop. Flower and stem made larger by disbudding but not much improved, the stem becoming heavy and rubbery. Size of flowers 6-9 $\frac{1}{2}$ in., depth $2\frac{1}{4}$ -4 $\frac{1}{2}$ in. Height 5 ft. 6 in.

18. RICHARD KLIMPT. Stake Nos. 52, 53, and 54. Formal Dec., entered by J. G. Ballego and Sons, "Bloemhove", Leiden, Holland. (79E). Scarlet red to scarlet with darker center petals which also have a sheen. Flowering habit fair, stem 5 $\frac{3}{4}$ -15 in., medium to slender, stem improved by disbudding. Size of flowers 6 $\frac{1}{4}$ -10 $\frac{1}{2}$ in., depth 2-5 in. Height 5 ft. 2 in.

20. YVONNE CHAVEROT. Stake Nos. 58, 59 and 60. Semi-cactus, entered by J. G. Ballego and Sons, "Bloemhove", Leiden, Holland. (73E). White with a few narrow stripes of phlox pink. Disbudded plant: white flecked and streaked with aster purple. Flowering habit good, stem $4\frac{1}{2}$ -14 in., medium slender, tends to be pendant, both flower and stem improved by disbudding. Size of flowers 3 $\frac{3}{4}$ -9 $\frac{1}{4}$ in., depth 2-4 $\frac{1}{2}$ in. Height 5 ft. 3 in.

21. 317. Stake Nos. 61, 62, and 63. Informal Dec., entered by R. C. Miller, Miller Dahlia Farms, R. F. D. 9, Box 900, Seattle, Washington. (79E). Center petals lemon chrome at base shading to pinard yellow, flesh color and carrot red, backs of petals streaked with Alizarine pink, old rose, and pinard yellow. Flowering habit prolific, stem $2\frac{1}{2}$ -8 $\frac{1}{2}$ in., medium to slender, stem improved by disbudding but not flower. Size of flowers $5\frac{1}{2}$ -9 in., depth 2-4 $\frac{1}{2}$ in. Height 6 ft. 7 in.

26. 627. Stake Nos. 76, 77, and 78. Semi-cactus, entered by James E. Cram, Mentone, California. (75E). Spectrum red with a darker sheen, center petals carmine, some blooms have white tips and some are more of a rose red. Flowering habit good, stem $4\frac{1}{2}$ -15 in., medium to slender with tendency to droop, flower on

(Continued on page 22)



No. 10-35—
Score 855,
M. F. D.,
Apricot
Yellow over-
cast with
Carrot Red,
by Badetty
Brothers,
Huntington,
New York

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side. Size of flowers $5\frac{1}{4}$ -8 in., depth 2-4 in. Height 3 ft. 10 in.

27. 637. Stake Nos. 79, 80, and 81. Straight cactus, entered by James E. Cram, Mentone, California. (78E). Outer rows of petals pale greenish yellow, center rows light greenish yellow. Flowering habit good, stem 6-12 in., medium, weak, improved by disbudding. Size of flowers $5\frac{1}{4}$ -9 $\frac{3}{4}$ in., depth 2-4 $\frac{1}{2}$ in. Height 4 ft.

28. ANN HUTCHINGS. Stake Nos. 82, 83, and 84. Informal Dec., entered by Ann H. Hutchings, 4632 Santa Monica Avenue, Ocean Beach, San Diego County, California. (75E). Scarlet and lemon yellow, amounts of each color differ in different blooms, centers usually quite yellow. Flowering habit fair. Stem 1-7 in., medium to slender, flower on side. Flower larger and brighter from disbudding, stem too weak. Size of flowers 5-9 $\frac{1}{2}$ in., depth 1 $\frac{1}{2}$ -4 $\frac{1}{2}$ in. Height 5 ft. 5 in.

30. SAN LEANDRO. Stake Nos. 88, 89, and 90. Informal Dec., entered by John Young, Bide-a-Wee Court, 221 Asilomar Boulevard, Pacific Grove, California. (75E). Amber yellow with shadings of jasper red. Flowering habit fair, stem 5-13 in., heavy to medium, stiff, flower on side, no evident improvement from disbudding. Size of flowers 6 $\frac{1}{2}$ -10 in., depth 3-5 in. Height 5 ft.

31. WORLD'S FAIR QUEEN. Stake Nos. 91, 92 and 93. Informal Dec., entered by Henry Zourek, 20-37 29th Street, Astoria, L. I. C., New York. (79C). White with center petals tinted sulfur yellow, each petal seemingly finely lined with gray. Flowering habit good, stem 3 $\frac{1}{2}$ -10 in., medium to slender, flower on side. Both flower and stem improved by disbudding. Size of flowers 5 $\frac{3}{4}$ -9 $\frac{1}{2}$ in., depth 2 $\frac{1}{4}$ -5 in. Height 5 ft. 2 in.

32. A. LUBETKIN. Stake Nos. 94, 95, and 96. Informal Dec., entered by Henry Zourek, 20-37 29th Street, Astoria, L. I. C., New York. ((75E). Background of petals amaranth pink profusely lined with Dahlia purple, tips of outer petals fade to a phlox pink, while center flower is deepened by wider markings of Dahlia purple on each petal. Flowering habit good, stem 2 $\frac{1}{2}$ -7 in., medium to slender, flower on side. Flower slightly improved by disbudding. Size of flowers 5 $\frac{3}{4}$ -8 $\frac{1}{4}$ in., depth 2 $\frac{1}{4}$ -4 in. Height 5 ft. 7 in.

34. DR. FRANCIS W. SOVAK. Stake Nos. 100, 101, and 102. Formal Dec., entered by Henry Zourek, 20-37 29th Street, Astoria, L. I. C., New York. (75E). Mal-low purple shading to Liseran purple toward tips of petals. Flowering habit fair, stem heavy to medium, majority of flowers end facing up. Stem 2-8 in., no evident improvement from disbudding. Size of flowers

6 $\frac{3}{4}$ -8 $\frac{1}{2}$ in., depth 2 $\frac{1}{4}$ -5 in. Height 2 ft. 10 in.

35. HARVEST GLOW. Stake Nos. 103, 104, and 105. Formal Dec., entered by P. LeBoutillier, 17 Clinton Avenue, Irvington, New York. (73C). Pale lemon yellow diffused with capucine orange, backs of spoon-shaped center petals show markings of capucine orange, general color effect looking down into the flower is capucine orange shading to capucine buff. Flowering habit good, stem 5-11 in., medium to slender. Flower and stem improved by disbudding. Size of flowers 4-5 $\frac{1}{2}$ in., depth 2-3 $\frac{3}{4}$ in. Height 3 ft. 4 in.

37. DELTA LODGE. Stake Nos. 109, 110, and 111. Incurved cactus, entered by F. A. Greenough, 25 French Street, Braintree, Massachusetts. (79E). Sulfur yellow, closed center petals pale greenish yellow. Flowering habit good, stem 5 $\frac{1}{2}$ -10 $\frac{1}{2}$ in., slender, wiry. Both flower and stem improved by disbudding. Size of flower 6 $\frac{3}{4}$ -9 $\frac{1}{4}$ in., depth 3-4 $\frac{1}{2}$ in. Height 4 ft. 11 in.

38. SEEDLING NO. 5111. Stake Nos. 112, 113, and 114. Informal Dec., entered by F. A. Greenough, 25 French Street, Braintree, Massachusetts. (78E). Outer rows nearly white, rest sulfur yellow with pale greenish yellow at center. Flowering habit fair, stem 3-11 in., medium, drooping. Size of flowers 6-8 in., depth 2-3 $\frac{1}{2}$ in. Height 3 ft. 10 in.

39. ROSALIE. Stake Nos. 115, 116, and 117. Miniature Ball, entered by J. Barrie, 3351 Brygger Drive, Seattle, Washington. (77S). Amaranth pink, very center petals mallow purple. Flowering habit prolific, stem 3-12 in., medium to slender, stiff, flower on side. Size of flowers 2 $\frac{1}{2}$ -3 $\frac{1}{4}$ in., depth 1-2 $\frac{1}{4}$ in. Height 5 ft.

44. AJAX. Stake Nos. 130, 131, and 132. Informal Dec., entered by Henry P. Rieper, 435 Oxford Road, Cedarhurst, L. I., New York. (72E). Light mallow purple, center slightly darker. Flowering habit good, stem 4-10 in., medium to slender, flower on side. Size of flower 6-10 in., depth 2 $\frac{1}{4}$ -5 $\frac{1}{2}$ in. Height 3 ft. 6 in.

45. NOVA. Stake Nos. 133, 134, and 135. Informal Dec., entered by J. C. Hays, Rainbow Dahlia Gardens, Route 4, Box 370, Louisville, Kentucky. (79E). General appearance is Persian Lilac with a gold sheen. Backs of closed center petals shaded with light rose-lane purple. Flowering habit fair, stem 8-14 in., medium, tending to droop, made larger but very rubbery by disbudding. Size of flowers 7 $\frac{1}{2}$ -11 $\frac{1}{2}$ in., depth 3-4 $\frac{1}{2}$ in. Height 5 ft. 4 in.

46. ASTRIEL GLOW. Stake Nos. 136, 137, and 138. Informal Dec., to Peony, entered by J. C. Hays, Rainbow Dahlia Gardens, Route 4, Box 370, Louisville, Kentucky. (73E). Apricot yellow finely streaked with scarlet red. Flowering habit good, stem 4-15 in., medium, flower on side, tends to droop. No evident improvement from disbudding. Size of flowers 5 $\frac{1}{2}$ -8 in., depth 2 $\frac{1}{2}$ -5 in. Height 6 ft. 2 in.

50. VERDA V. Stake Nos. 148, 149, and 150. Informal Dec., entered by J. C. Stuchel, 254 N. Mercer Avenue, New Brighton, Beaver County, Pennsylvania. (75E). Dull dusky purple with nearly black velvety sheen. Flowering habit fair, stem 4-12 in., medium, curved, inclined to droop. Size of flowers 5 $\frac{3}{4}$ -9 in., depth 2 $\frac{1}{2}$ -5 in. Height 6 ft. 4 in.

51. MADAM L. WOLFF. Stake Nos. 151, 152, and 153. Semi-cactus, entered by R. B. Hamilton, Hamilton Dahlia Gardens, Alameda, California. (78E). Shades of Rhodonite pink, center petals deep hellebore red, base of center petals pale lemon yellow. Flowering habit prolific. Stem 5-12 $\frac{1}{2}$ in., medium to slender, flowers on side with tendency to look down. Both flower and stem improved by disbudding. Size of flowers 6-10 $\frac{1}{2}$ in., depth 2 $\frac{1}{2}$ -5 $\frac{1}{2}$ in. Height 4 ft. 8 in.

52. MY GIPSY. Stake Nos. 154, 155, and 156. Informal Dec., entered by Mrs. Roy M. Stevenson, Stevenson's Dahlia Gardens, R. D. 1, Greenville, Pennsylvania. (76E). White with edges of petals toward the center scarlet red. Flowering habit fair. Stem 6-16 in., medium, with tendency to droop. Both flower and stem improved by disbudding. Size of flowers 6 $\frac{1}{4}$ -10 $\frac{1}{2}$ in., depth 2 $\frac{1}{4}$ -4 $\frac{1}{2}$ in. Height 5 ft.

55. LENDA HANKS. Stake Nos. 163, 164, and 165. Semi-cactus, entered by W. D. Deane, Eastvale Dahlia Farms, Middleboro, Massachusetts. (79E). Deep shade between pomegranate purple and Dahlia purple, a very glowing color, tip of outer petals curl to show phlox pink backs, tips of unopened center petals show backs of Dahlia purple and light phlox purple, tips of a few outer petals fade to Rhodamine purple. Flowering habit good, stem 4 $\frac{1}{2}$ -14 in., medium to slender, flower on side. Flower and stem slightly improved by disbudding. Size of flowers 5 $\frac{3}{4}$ -8 $\frac{1}{2}$ in., depth 2-4 $\frac{1}{2}$ in. Height 7 ft.

56. NO. 20. Stake Nos. 166, 167, and 168. Informal Dec., entered by J. Z. Cleveland, Poinsett Gardens,

Zirconia, North Carolina. (76E). Light rosolane purple, closed center petals a dull magenta purple. Flowering habit fair, stem $7\frac{1}{2}$ -15 in., medium, flower on side, tends to droop, improved by disbudding. Size of flowers $6\frac{3}{4}$ -10 in., depth $2\frac{3}{4}$ -5 in. Height 6 ft. 2 in.

57. NO. 21. Stake Nos. 169, 170, and 171. Semi-cactus, entered by J. Z. Cleveland, Poinsett Gardens, Zirconia, North Carolina. (72E). One-third rows of petals are lemon yellow, with tourmaline pink and eupatorium purple shadings in remainder of petals. Flowering habit late, stem $4\frac{1}{2}$ -10 $\frac{1}{2}$ in., medium to heavy, some flowers on end facing upward other on side, made heavier by disbudding. Size 6-10 in., depth $2\frac{1}{2}$ -4 $\frac{1}{2}$ in. Height 5 ft. 6 in.

58. DR. J. F. CLEVELAND. Stake Nos. 172, 173, and 174. Informal Dec., entered by J. Z. Cleveland, Poinsett Gardens, Zirconia, North Carolina. (79E). Rose red with curled edges and ends of closed center petals sulfur yellow. Flowering habit good, stem $\frac{1}{2}$ 8-18 in., medium to heavy, good, some flowers on end facing upward and others on side. Both flower and stem improved by disbudding. Size of flowers $5\frac{1}{4}$ -10 in., depth 2-5 $\frac{1}{2}$ in. Height 5 ft. 10 in.

59. NO. 23. Stake Nos. 175, 176, and 177. Informal Dec., entered by J. Z. Cleveland, Poinsett Gardens, Zirconia, North Carolina. (70E). Flower a scarlet red with the edges of each petal shading to carmine, inner petals almost entirely carmine, tips of unopened center petals citron yellow, outer petals fade to a Jasper red with a shading of scarlet red, gold sheen. Flowering habit good, stem $4\frac{1}{2}$ -12 in., medium to slender, pendant, improved by disbudding. Size of flowers $6\frac{3}{4}$ -9 in., depth 3-4 $\frac{1}{4}$ in. Height 5 ft. 3 in.

61. SIR LAUNCELOT. Stake Nos. 181, 182, and 193. Formal Dec., entered by Peter Podlesny, Higbie Lane, Babylon, New York. (73C). Tyrian rose with a velvety sheen except near tips, the edges of which shade to Rhodamine purple, closed center petals aster purple. Flowering habit fair, stem 4-12 in., medium to slender. Size of flowers 4-5 $\frac{1}{2}$ in., depth $1\frac{1}{2}$ -3 $\frac{3}{4}$ in. Height 5 ft. 9 in.

62. MRS. CAROL M. BRYANT. Stake Nos. 184, 185, and 186. Formal Dec., entered by J. Young, 32 Hawthorn Road, Braintree, Massachusetts. (70C). Scarlet with considerable shading of pinard yellow, same color around center. Flowering habit good, stem 6-12 in., medium to slender, pendant. Size of flowers $4\frac{3}{4}$ -6 $\frac{3}{4}$ in., depth $2\frac{1}{2}$ -4 $\frac{1}{4}$ in. Height 4 ft.

64. KING. Stake Nos. 190, 191, and 192. Informal Dec., entered by Dr. N. E. Sartorius, Pocono City, Maryland. (78E). Pale lemon yellow shaded with roseline purple, eupatorium purple center petals. Flowering habit good, but late, stem 1-10 $\frac{1}{2}$ in., medium to heavy. Size of flowers $4\frac{1}{2}$ -10 in., depth $1\frac{1}{2}$ -4 $\frac{1}{2}$ in. Height 5 ft.

65. BARBARA LEE. Stake Nos. 183, 194, and 195 (of another variety). Straight Cactus with open centers, entered by Lester A. Smith, $7\frac{1}{2}$ South Wenatchee Avenue, Wenatchee, Washington. (70C). Outer ends of petals magenta shading to Hellebore red to pale greenish yellow, base of petals petunia violet. Flowering habit fair, stem $1\frac{3}{4}$ -11 in., slender, wiry. Disbudded plant of another variety, mixed stock. Size of flowers $3\frac{1}{4}$ -8 $\frac{1}{2}$ in., depth $1\frac{1}{4}$ -4 in. Height 3 ft. 6 in.

67. 36-6. Stake Nos. 199, 200, 201. Semi-cactus, entered by G. L. Winne, 918 Ontario Street, Schenectady, New York. (73E). Cadmium yellow with ends of petals shaded to light ochraceous salmon, closed center petals rocelin purple. Flowering habit good, stem 2-5 in., medium, curved at neck, flower on side, made heavier but short by disbudding. Size of flowers $6\frac{1}{4}$ -9 $\frac{1}{4}$ in., depth $2\frac{1}{2}$ -4 $\frac{1}{2}$ in. Height 4 ft. 7 in.

70. FEATHERS. Stake Nos. 208, 209, and 210. Informal Dec., entered by Al C. Eggert, Old Trail Dahlia Gardens, 1305 Forsythe Avenue, Columbus, Ohio. (70E). Outer rows light mallow purple, center rows shade thru mallow pink to almost white streaked with the color. Flowering habit fair, stem 3-10 $\frac{1}{2}$ in., medium to heavy, made larger by disbudding. Size of flowers $5\frac{1}{4}$ -8 in., depth $2\frac{1}{2}$ -4 $\frac{1}{2}$ in. Height 3 ft.

71. ADIRONDACK BEAUTY. Stake Nos. 211, 212, and 213. Informal Dec., entered by F. S. Cackener, 6 Liberty Place, Hudson Falls, New York. (77E). Velvety, between Rhodamine purple and aster purple with aster purple center petals. Flowering habit late, stem 3-12 in., medium to extra heavy, flowers facing side. No evident improvement from disbudding, bad centers in flowers. Size of flowers $5\frac{3}{4}$ -10 in., depth $3\frac{1}{2}$ -5 in. Height 4 ft.

77. 56-35. Stake Nos. 229, 230, and 231. Formal Dec., entered by Badetty Brothers, Huntington Dahlia Gardens, Huntington, New York. (79S). Scarlet red, carmine center petals. Flowering habit good, stem

$3\frac{1}{2}$ -9 in. Size of flowers $2\frac{3}{4}$ -4 $\frac{1}{4}$ in., depth 1-2 $\frac{1}{2}$ in. Height 4 ft.

78. 58-35. Stake Nos. 232, 233, and 234. Formal Dec., entered by Badetty Brothers, Huntington Dahlia Gardens, Huntington, New York. (75C). Flowers differ on same plant, white with edgings of a deep Rhodamine purple or velvety Rhodamine purple with only a few center petals streaked with white. Flowering habit late, stem 13-11 in. Size of flowers $3\frac{1}{4}$ -5 $\frac{1}{2}$ in., depth 1-2 $\frac{1}{2}$ in. Height 4 ft.

79. SUNSET NEEDLES. Stake Nos. 235, 236, and 237. Straight cactus, entered by Albert Hendricks, Dixie Dahlia Gardens, Clio, Michigan. (75C). Center rows pale lemon yellow, outer rows light pinkish cinnamon. Flowering habit late, stem $3\frac{1}{2}$ -7 in., slender to medium. No evident improvement from disbudding. Size of flowers $4\frac{1}{2}$ -8 in., depth $1\frac{1}{4}$ -3 $\frac{1}{2}$ in. Height 3 ft.

80. NO. 33. Stake Nos. 238, 239, and 240. Formal Dec., entered by Albert Hendricks, Dixie Dahlia Gardens, Clio, Michigan. (76E). Light greenish yellow with white tips. Flowering habit prolific, stem 6-13 in., drooping, flower on side. Both flower and stem improved by disbudding. Size of flower $5\frac{1}{2}$ -9 in., depth $2\frac{1}{4}$ -5 in. Height 4 ft. 4 in.

81. CLEMO'S GLORY. Stake Nos. 241, 242, and 243. Informal Dec., entered by Charles Knowlton, Cedar Grove Dahlia Farm, Jeddo, Michigan. (75C). Cameo pink to nearly white at tips and shaded on each side of petal toward center with empire yellow, closed center petals streaked slightly with scarlet red. Flowering habit good, stem $4\frac{1}{4}$ -11 in., medium to slender, weak at end of season. Size of flowers $4\frac{1}{2}$ -6 in., depth 2-3 $\frac{1}{4}$ in. Height 4 ft. 10 in.

83. AUTUMN SUNSET. Stake Nos. 247, 248, and 249 (did not grow). Formal Dec., entered by Clyde E. Stolz, 94 South Poplar Street, Hazleton, Pennsylvania. (78E). Pale lemon yellow to Martin's yellow with shadings of onion skin pink. Flowering habit fair, stem 6-12 in., medium to heavy, flower on side. Size of flowers 5-8 in., depth 2-5 in. Height 5 ft. 5 in.

84. JUANITA BEAUTY. Stake Nos. 250, 251, and 252 (did not grow). Informal Dec., entered by Mrs. Wm. Gardner, R. F. D. 7, Highland Road, South Euclid, Ohio. (76E). Between Tyrian rose and amaranth purple with dark velvety sheen, outer rows shade to nearly a Rhodamine purple toward tips, inner rows nearer amaranth purple. Flowering habit late, stem 5-15 in., medium to heavy, flower on side facing down. Size of flowers $6\frac{1}{2}$ -10 in., depth $3\frac{1}{2}$ -6 in. Height 6 ft. 3 in.

85. SILVER HOOK. Stake Nos. 253, 254, and 255. Incurved cactus, entered by C. W. Simbritzki, 1215 Ashland Avenue, Louisville, Kentucky. (71E). Light Jasper red and apricot yellow, closed center petals, Eugenia red. Flowering habit fair, stem 7-14 in., medium, flower on side, facing down. Size of flowers $6\frac{1}{4}$ -9 in., depth $2\frac{3}{4}$ -4 $\frac{1}{2}$ in. Height 5 ft.

86. BEAUTIFULL. Stake Nos. 256, 257, and 258. Borderline Ball, entered by Mrs. Cortis Ray, Lone Tree Dahlia Gardens, R. R. 2, Greensburg, Indiana. (70C). Tyrian pink with closed center petals magenta. Flowering habit fair, stem 1-13 in., slender to medium. Size of flowers 2-8 in., depth $\frac{3}{4}$ -5 $\frac{1}{4}$ in. Height 3 ft. 6 in.

87. CORAL BEAUTY. Stake Nos. 259, 260, and 261. Miniature Formal Dec., to Peony, entered by Mrs. Cortis Ray, Lone Tree Dahlia Gardens, R. R. 2, Greensburg, Indiana. (75S). Light rosolane purple with center shadings of empire yellow. Flowering habit good, stem 2-9 $\frac{1}{2}$ in., slender, soft at end of season. Size of flowers 2-3 in., depth 1-1 $\frac{1}{4}$ in. Height 4 ft.

88. INDIAN CHIEF. Stake Nos. 262, 263, and 264. Informal Dec., entered by Mrs. Cortis Ray, Lone Tree Dahlia Gardens, R. R. 2, Greensburg, Indiana. (79E). Shades of Fufous and apricot orange, closed center petals Jasper red. Flowering habit good, stem 2-9 in., medium to extra heavy, flower usually on side but faces upward on disbudded plant. Both flower and stem improved by disbudding. Size of flowers 8-11 in., depth 3-5 in. Height 3 ft. 6 in.

89. MARION BRANDIS. Stake Nos. 265, 266, and 267. Incurved Cactus to Semi-cactus, entered by Walter S. Brandis, 1501 Hollywood Avenue, Evansville, Indiana. (76E). Pale lemon yellow at base of petals shading to flesh color diffused with Jasper pink, center petals ochraceous salmon streaked at base with pale lemon yellow and diffused at tip with Jasper pink, backs of unopened centermost petals show Jasper red diffused at tip with light mallow purple. Flowering habit good, stem $4\frac{1}{2}$ -9 in., medium to slender, flower usually on side. Not much improved by disbudding,

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stem a little stronger. Size of flowers $5\frac{3}{4}$ -7 $\frac{3}{4}$ in., depth 2 $\frac{3}{4}$ -4 in. Height 5 ft.

90. JUNE HOFFMAN. Stake Nos. 268, 269, and 270. Informal Dec., entered by Joseph Farzano, Tuxedo Park, New York. (75C). Tyrian pink with mallow purple closed center petals. Flowering habit prolific, stem 4-11 in., slender, wiry, tends to droop. Size of flowers $3\frac{1}{2}$ -5 $\frac{1}{2}$ in., depth 1 $\frac{1}{2}$ -2 $\frac{3}{4}$ in. Height 5 ft.

91. PINK AMELIA. Stake Nos. 271, 272, and 273. Informal Dec., entered by A. T. Edison, Springfield Dahlia Farm, R. F. D. 2, Grand Rapids, Michigan. (78E). Light rosolane purple, closed center petals magenta. Flowering habit fair, stem 4-17 in., medium to slender, flower on side facing down. Both flower and stem improved by disbudding. Size of flowers 2 $\frac{3}{4}$ -8 $\frac{1}{2}$ in., depth 1 $\frac{1}{4}$ -5 in. Height 4 ft. 6 in.

94. PEARL OF THE SMOKIES. Stake Nos. 280, 281, and 282. Informal Dec., entered by J. W. Eisenberg, Midget Dahlia Farm, Knoxville, Tennessee. (73C). Nearest Spinel with little gold sheen, closed center petals rosolane purple. Flowering habit prolific, stem 6-14 in., medium to slender, soft, flower on side, drooping. Improved by disbudding, but is apt to throw double flower centers. Size of flowers 4 $\frac{3}{4}$ -7 $\frac{3}{4}$ in., depth 2-5 in. Height 5 ft. 4 in.

95. NEON. Stake Nos. 283, 284, and 285. Informal Dec., entered by Mrs. William Warner, R. 3, Box 69, Buckhannon, West Virginia. (70E). Light mallow purple, center Mathew's purple. Flowering habit fair, stem 2 $\frac{1}{2}$ -10 in., poor, medium, flower on side facing down. Does not seem to be improved by disbudding. Size of flowers $5\frac{1}{2}$ -9 in., depth 2-3 $\frac{1}{2}$ in. Height 5 ft. 6 in.

96. 6 Br 2. Stake Nos. 286, 287, and 288. Straight Cactus to open centered, entered by Fred P. Webber, R. D. 2, Newport, Rhode Island. (72C). Outer rows of petals shrimp pink, inner rows pale greenish yellow. Flowering habit prolific, stem 3-13 in., slender, wiry. Size of flowers 3-4 $\frac{1}{4}$ in., depth $\frac{3}{4}$ -2 $\frac{1}{4}$ in. Height 5 ft. 6 in.

99. GOLDEN MOON. Stake Nos. 295, 296, and 297. Informal Dec., entered by E. J. Wind, Rocky River Dahlia Gardens, 19111 Story Road, Rocky River, Ohio. (75E). Lemon yellow. Flowering habit fair, stem 2-9 in., heavy to medium, flowers usually on side with a few on end facing upward, improved by disbudding. Size of flowers 6-9 $\frac{1}{2}$ in., depth 2 $\frac{1}{2}$ -5 $\frac{1}{2}$ in. Height 4 ft. 6 in.

100. PENN STAR. Stake Nos. 298, 299, and 300. Informal Dec., to Formal Dec., entered by Marion M. Brezler, Penn, Pennsylvania. (75E). Rhodamine purple with white tips running down into petals. Flowering habit fair, stem 4-12 in., heavy to medium, flower on side tending to face down. Size of flowers 4 $\frac{3}{4}$ -7 in., depth 1 $\frac{1}{2}$ -4 $\frac{1}{2}$ in. Height 5 ft.

101. GOOD LUCK. Stake Nos. 301, 302, and 303. Informal Dec., entered by Elsie and Mary Williams, R. 4, Sunrise Dahlia Gardens, Connerville, Indiana. (78E). Scarlet red, outer rows a shade almost to a peach red with some shaded with pale orange-yellow, closed center petals between spectrum red and carmine. Flowering habit fair, stem 4-12 in., medium. No evident improvement from disbudding. Size of flowers $5\frac{1}{2}$ -8 $\frac{1}{2}$ in., depth 2 $\frac{1}{2}$ -5 in. Height 4 ft. 6 in.

102. MISS GRACE LAURENS. Stake Nos. 304, 305, and 306. Borderline Straight Cactus, entered by W. L. Elkins, State Planters Bank Building, Richmond, Virginia. (75E). Light greenish yellow. Flowering habit good, stem 4-16 in., medium to slender, drooping at the neck, poor stem on disbudded plant larger but soft. Size of flowers 4 $\frac{1}{2}$ -8 $\frac{3}{4}$ in., depth 1 $\frac{1}{2}$ -3 $\frac{1}{2}$ in. Height 5 ft. 8 in.

103. SEEDLING. Stake Nos. 307, 308, and 309. Informal Dec., entered by J. E. Wilds, 4417 Ridgewood Street, Columbia, South Carolina. (76E). Carmine, oxblood red centers. Flowering habit poor, stem 2-6 in. Size of flowers 7-11 in., depth 2 $\frac{1}{4}$ -5 in. Height 4 ft. 10 in.

105. MABEL K. HUTTON. Stake Nos. 313, 314, and 315. Informal Dec., entered by Frank W. Hutton, 61 Sylvan Street, Springfield, Massachusetts. (75E). General appearance onion skin pink with shadings of maize yellow, dark rose red on back of petals and center, with narrow stripings of mallow purple. Flowering habit good, stem 3-10 in., heavy to medium, flower on the end tending to face upward. Both flower and stem improved by disbudding. Size of flowers 6-9 in., depth 2-4 $\frac{1}{4}$ in. Height 2 ft. 8 in.

106. HILLCREST ROSERIES. Stake Nos. 316, 317, and 318. Informal Dec., entered by Roy Mickle, Hill-

crest Roseries, Corner Hillcrest and 36th Street, Progress, Pennsylvania. (73E). Mallow purple, aster purple, center. Flowering habit good, stem 3-8 $\frac{1}{2}$ in., medium, flower on side. Size of flower 5-7 $\frac{3}{4}$ in., depth 2-4 in. Height 4 ft.

107. MRS. MAY WALLACE. Stake Nos. 319, 320, and 321 (did not grow). Informal Dec., entered by Lawrence L. Wallace, Chautauqua Dahlia Fields, Mayville, New York. (79E). Lemon yellow with slight tinge of carrot red. Flowering habit good, stem 8-12 in., medium. Size of flower 8 $\frac{1}{4}$ -11 $\frac{1}{2}$ in., depth 3 $\frac{1}{4}$ -6 in. Height 3 ft. 6 in.

108. S34-41. Stake Nos. 322, 323, and 324. Informal Dec., entered by Lawrence L. Wallace, Chautauqua Dahlia Fields, Mayville, New York. (78E). General appearance of light cadmium, really empire yellow with tinges of ochraceous orange, closed center petals orange-cinnamon. Flowering habit good, stem 2 $\frac{1}{2}$ -11 in., heavy to medium, flower on side. Size of flowers 5 $\frac{1}{4}$ -8 in., depth 2 $\frac{1}{2}$ -4 in. Height 5 ft.

109. S34-66. Stake Nos. 325, 326, and 327. Informal Dec., entered by Lawrence L. Wallace, Chautauqua Dahlia Fields, Mayville, New York. (76E). Light phlox purple, center phlox purple. Flowering habit fair, a little late, stem 3-11 in., heavy to medium, flowers usually on side but occasionally facing upward, slightly improved by disbudding. Size of flowers 7-10 in., depth 2 $\frac{1}{4}$ -5 in. Height 5 ft. 2 in.

112. BOSTON GIANT. Stake Nos. 334, 335, and 336 (did not grow well). Formal Dec., entered by W. I. Austen, Boston Dahlia Gardens, Boston 24, Massachusetts. (78E). Coral red, tinting of buff yellow, center nopal red. Flowering habit fair, stem 2-6 $\frac{1}{2}$ in., medium to heavy, flower on side. Size of flower 4 $\frac{1}{4}$ in., depth 1 $\frac{3}{4}$ -4 $\frac{1}{2}$ in. Height 5 ft.

113. IMA BUTE. Stake Nos. 337, 338, and 339. Informal Dec., entered by W. I. Austen, Boston Dahlia Gardens, Boston 24, Massachusetts. (73E). Between amaranth purple and Rhodamine purple with the latter predominating toward ends of petals, closed center petals Dahlia purple. Flowering habit late, stem 5-12 in., medium, flower on side. No evident improvement from disbudding. Size of flowers $5\frac{1}{2}$ -9 in., depth 2 $\frac{1}{4}$ -4 $\frac{1}{2}$ in. Height 3 ft.

116. SEEDLING. Stake Nos. 346, 347, and 348. Informal Dec., entered by J. M. Brewster, Brewster Dahlia Gardens, Box 274, Brewster Lane, Amityville, New York. (78E). Flame scarlet and scarlet with tips and backs of amber yellow, outer petals are also flecked with this color. Flowering habit late. Stem 7-14 in., heavy to extra heavy. Size of flowers 8 $\frac{1}{4}$ -9 $\frac{1}{2}$ in., depth 3-4 in. Height 4 ft. 6 in.

119. A. E. HEIL. Stake Nos. 355, 356, and 357. Informal Dec., entered by A. E. Heil, R. D. 6, Sta. 10, Pittsburgh, Pennsylvania. (70E). Nearest Rhodamine purple shaded with purple, center petals violet purple. Flowering habit good, stem 3 $\frac{1}{2}$ -10 in., medium, flower on side, improved by disbudding. Size of flowers 6-9 $\frac{1}{4}$ in., depth 2-4 in. Height 3 ft. 6 in.

121. TOBA LEE. Stake Nos. 361, 362, and 363. Miniature Informal Dec., entered by Warren W. Maytrott, Dahlia Nurseries, Vineland, New Jersey. (70S). Pale greenish yellow. Flowering habit fair, stem 1 $\frac{1}{2}$ -5 in., slender, flower usually facing side but occasionally facing upward. Size of flowers 2 $\frac{1}{2}$ -5 in., depth 1-3 in. Height 3 ft.

122. BENEDICT NO. 2. Stake Nos. 364, 365, and 366. Semi-cactus, entered by Warren W. Maytrott, Dahlia Nurseries, Vineland, New Jersey. (74C). Light corinthian red with gold sheen, center rows of petals tinged considerably with pale greenish yellow, center petals nearly all this color. Flowering habit fair, stem 5-14 in., medium, flower on side. No evident improvement from disbudding. Size of flowers 4-7 $\frac{1}{2}$ in., depth 1 $\frac{1}{4}$ -4 in. Height 3 ft. 9 in.

125. SEYFERT'S PINK. Stake Nos. 373, 374, and 375. Semi-cactus, entered by Warren W. Maytrott, Dahlia Nurseries, Vineland, New Jersey. (78C). Bright Tyrian pink, few dashes of white, streaks of magenta in center petals. Flowering habit good, stem 5-15 in., slender, curved, flower on side, drooping appearance. Size of flowers 3 $\frac{1}{4}$ -5 $\frac{1}{2}$ in., depth 1 $\frac{1}{2}$ -3 $\frac{1}{2}$ in. Height 4 ft. 6 in.

127. M II. Stake Nos. 379, 380, and 381. Informal Dec., entered by H. H. Robens, 41 Hall Avenue, Chagrin Falls, Ohio. (78E). Shades of hellebore red shaded with picric yellow nearer the center rows of petals, center petals daphne red. Flowering habit poor, late, stem 9 $\frac{1}{2}$ -18 in., medium to extra heavy, flower on side, improved by disbudding. Size of flowers $5\frac{1}{2}$ -10 in., depth 2-5 $\frac{1}{4}$ in. Height 4 ft.

130. HARBOR LIGHTS. Stake Nos. 388, 389, and

390. Formal Dec., entered by M. D. Vohland, Clarksburg Dahlia Gardens, Clarksburg, Indiana. (78E). Scarlet red, center carmine, few outer rows of petals have touches of maize yellow. Flowering habit fair, stem 3-9 in., medium to heavy, some flowers facing side and some facing upward. No evident improvement from disbudding. Size of flowers $5\frac{1}{4}$ - $8\frac{1}{2}$ in., depth 2- $4\frac{1}{2}$ in. Height 4 ft.

131. NO. 1 YELLOW. Stake Nos. 391, 392, 393. Informal Dec., entered by Albert Schuster, 46 Alexine Avenue, East Rockaway, New York. (76E). Lemon yellow. Flowering habit fair, stem 3-10 in., medium to slender, flower on side, stem improved by disbudding but not flower. Size of flower $5\frac{1}{2}$ - $7\frac{1}{2}$ in., depth 2- $3\frac{3}{4}$ in. Height 5 ft.

134. WESTWOOD EMPRESS. Stake Nos. 400, 401, and 402. Formal Dec., entered by B. E. Phillips, 1570 Westwood Avenue, S. W., Atlanta, Georgia. (78E). White, center petals tinged with sulfur yellow. Flowering habit fair, buds late in maturing, stem medium to slender, soft drooping appearance. Disbudding improves stem and causes some flowers to face upward. Size of flowers 7- $9\frac{1}{2}$ in., depth 3-5 in. Height 5 ft.

135. NANCY MITCHELL. Stake Nos. 403, 404, and 405. Straight Cactus, entered by Mrs. Helen Mitchell, Wanatah, Indiana. (75C). Scarlet red, outer rows tipped with maize yellow. Flowering habit early, stem 3-16 in., slender, weak, flowers facing side and down. Both flower and stem improved by disbudding. Size of flowers 4-8 in., depth 2- $3\frac{3}{4}$ in. Height 4 ft. 1 in.

141. LYDIA. Stake Nos. 421, 422, and 423. Informal Dec., entered by Clifford Giffin, 608 Island Home Pike, Knoxville, Tennessee. (78E). Between scarlet red and carmine, base of center petals show lemon chrome, streaks of which occasionally follow part way up along the main veins in the petal, backs of unopened center petals show tips of orange vinaceous graduating to a streaked scarlet red at the base, tips of outer petals curl to show streaked Jasper pink. Flowering habit good, stem 6-18 in.; medium to extra heavy, flowers on side tending to droop. Stem improved by disbudding but not flower. Size of flower 6- $10\frac{1}{4}$ in., depth $2\frac{1}{2}$ -6 in. Height 6 ft.

142. MOON KIST. Stake Nos. 424, 425, and 426. Incurved Cactus, entered by Clifford Giffin, 608 Island Home Pike, Knoxville, Tennessee. (75E). Light greenish yellow, ends of petals tinged with maize yellow. Flowering habit late, stem 4-14 in., medium to slender, flowers facing down, drooping. Size of flowers 8-10 in., depth $3\frac{1}{2}$ -5 in. Height 7 ft.

143. SMOKY MOUNTAIN BEAUTY. Stake Nos. 427, 428, and 429. (Stunted). Informal Dec., entered by Clifford Giffin, 608 Island Home Pike, Knoxville, Tennessee. (70E). Spinel red to carmine, dark velvet sheen towards center changing it to oxblood red. Flowering habit fair, stem 9-15 in., medium to heavy, some flowers facing side and some facing upward. Size of flowers 6-9 $\frac{1}{2}$ in., depth $2\frac{3}{4}$ -5 in. Height 3 ft. 5 in.

145. JUDGE JAMES. Stake Nos. 433, 434, and 435. Informal Dec., entered by Oscar R. Moser, Mont Alto, Pennsylvania. (75E). Dainty pale rose purple. Flowering habit good, stem $6\frac{1}{2}$ -12 in., medium to extra heavy, rubbery, flowers on side, $5\frac{3}{4}$ - $8\frac{1}{4}$ in., depth 2- $4\frac{1}{4}$ in. Height 4 ft. 7 in.

146. VIKING. Stake Nos. 436, 437, and 438. Informal Dec., entered by Raymond Grass, c/o B. Harris Wool Company, 22-24-26 and 28 S. Second Street, St. Louis, Missouri. (75E). Scarlet with few curled edges of Baryta yellow, center petals nearer carmine with same Baryta yellow streaks. Flowering habit late, stem 4-9 in., medium, flower on side. Both flower and stem improved by disbudding. Size of flowers $5\frac{1}{2}$ -9 in., depth $2\frac{1}{2}$ - $4\frac{1}{2}$. Height 4 ft.

148. ROSY GLOW. Stake Nos. 442, 443, and 444. Formal Dec., entered by T. E. Popp, Greenfield Gardens, R. F. D., Route 5, Box 72, West Allis, Wisconsin. (75C). Light corinthian red and corinthian pink with gold sheen, center daphne red. Flowering habit prolific, stem medium to slender, fairly good, flowers on side. Both flower and stem improved by disbudding. Size of flowers $4\frac{1}{2}$ - $7\frac{1}{2}$ in., depth $1\frac{3}{4}$ - $3\frac{3}{4}$ in. Height 5 ft. 9 in.

149. MISS MAINE. Stake Nos. 445, 446, and 447. Peony, entered by Dr. William R. Bibber, 111 Water Street, Eastport, Maine. (75C). White with base of petals light greenish yellow. Flowering habit good, stem 3-12 in., medium, holds flower well up, flowers facing side. Size of flowers $4\frac{3}{4}$ -8 in., depth $\frac{1}{2}$ -3 in. Height 7 ft. 8 in.

153. A10. Stake Nos. 457, 458, and 459. Informal Dec., entered by A. H. Rich, Box 5014, St. Paul, Minnesota. (72C). Pale rosolane purple, outer tips pale rose purple, slight traces of pale lemon yellow. Flowering

DEEP PURPLE—

Score 85E,

Purple F. D. by

Stephenson's

Dahlia Gardens,

Santa Monica,

California.



habit prolific, stem 1-8 in., slender to medium, heavy on disbudded plant. Size of flowers 5- $9\frac{3}{4}$ in., depth 2- $4\frac{1}{2}$ in. Height 4 ft. 3 in.

154. EARLY YELLOW GIANT. Stake Nos. 460, 461, and 462. Informal Dec., entered by A. H. Rich, Box 5014, St. Paul, Minnesota. (71E). Pale greenish yellow center rows light greenish yellow. Flowering habit late, stem 7-11 in., medium to heavy, flower facing side. Size of flowers 7- $9\frac{1}{2}$ in., depth 3-5 in. Height 4 ft. 4 in.

155. ERIC THE RED. Stake Nos. 463, 464, and 465. Informal Dec., entered by A. H. Rich, Box 5014, St. Paul, Minnesota. (72E). Between spectrum red and carmine edges of petals shade to buff yellow. Flowering habit good, stem 4- $10\frac{1}{2}$ in., medium to heavy, flowers facing side with the exception of a few on disbudded plant which face upward. Both flower and stem improved by disbudding. Size of flowers $5\frac{1}{2}$ - $10\frac{1}{4}$ in., depth 2- $6\frac{1}{2}$ in. Height 3 ft. 6 in.

157. 410. Stake Nos. 469, 470, and 471. Informal Dec., entered by A. H. Rich, Box 5014, St. Paul, Minnesota. (75E). Outer half of rows of petals about evenly shaded with strong lemon yellow and cinnamon rufous, center petals ferruginous. Flowering habit late, stem 4-11 in., medium, inclined to droop, flower on side facing down. Color deepened by disbudding, stem heavier but short. Size of flower 6- $9\frac{3}{4}$ in., depth $2\frac{1}{2}$ -4 in. Height 3 ft. 8 in.

159. 418. Stake Nos. 475, 476, and 477. Informal Dec., entered by A. H. Rich, Box 5014, St. Paul, Minnesota. (79E). Scarlet red with center petals between spectrum red and scarlet. Flowering habit good, stem 4-14 in., medium to extra heavy, drooping appearance, flowers on side facing down. Size of flowers $6\frac{1}{2}$ - $9\frac{1}{2}$ in., depth 3- $5\frac{3}{4}$ in. Height 4 ft. 6 in.

162. 426. Stake Nos. 484, 485, and 486. Informal Dec., entered by A. H. Rich, Box 5014, St. Paul, Minnesota. (73E). Outer rows Liseran purple shaded on edges to lilac, center rows Liseran purple shaded with magenta, closed center petals chinese violet. Flowering habit late, stem 2-11 in., heavy, not good, flower facing side. Size of flower $5\frac{1}{2}$ -9 in., depth 2- $4\frac{1}{2}$ in. Height 3 ft. 10 in.

164. W-93-37. Stake Nos. 490, 491, and 492. Informal Dec., entered by D. P. Wickersham, Mad River Gardens, P. O. Box 12, Urbana, Ohio. (78C). Main portion of flower begonia rose diffused with strawberry pink, center petals pale lemon yellow at base, remainder of petal overcast with apricot buff, backs of tips of unopened center petals are unevenly marked with begonia rose and pale flesh color, with points of pale lemon yellow, tips of outer petals curl to show deep rose pink streaked with rose pink. Flowering habit good, stem 2-15 in., good, stiff, erect, flowers facing

(Continued on page 26)



RED SINGLE—Score 85S, by Dr. Bruce B. Preas, Merrick Road, Rockville Centre, L. I., N. Y.

Trial Ground Reports—Cont. from p. 25

side. Size of flowers $2\frac{1}{4}$ - $8\frac{1}{2}$ in., depth $1\frac{1}{2}$ - $4\frac{3}{4}$ in. Height 6 ft.

165. W-108-37. Stake Nos. 493, 494, and 495. Informal Dec., entered by D. P. Wickersham, Mad River Gardens, P. O. Box 12, Urbana, Ohio. (79E). Amaranth pink with backs of curled center petals showing Tyrian pink, tips of outer petals fade to mallow pink. Flowering habit late, stem 6-14 in., medium to extra heavy, flowers on end facing upward. Improved by disbudding. Size of flowers 6-10 $\frac{1}{4}$ in., depth 3-6 in. Height 4 ft.

166. IAN OLIESLAGA. Stake Nos. 496, 497. Informal Dec., entered by W. I. Austen, Boston Dahlia Gardens, Boston 24, Massachusetts. (70E). Some petals are phlox purple, some nearer purple finely streaked with white, white also shows at base of petals, closed center petals pansy violet. Flowering habit late, stem 11 in. Size of flowers 9 in., depth $3\frac{1}{2}$ in. Height 5 ft.

167. AMHERST PHEASANT. Stake Nos. 498, 499, and 500. Informal Dec., entered by W. I. Austen, Boston Dahlia Gardens, Boston 24, Massachusetts. (74C). Outer rows light rosolane purple, center rows rosolane purple, little lemon chrome on two or three center petals as well as a shading on some others. Flowering habit fair, stem $5\frac{1}{2}$ -12 in., medium to heavy, flower on end and would face upward if stem were strong enough, drooping appearance. Not improved by disbudding. Size of flowers $3\frac{1}{2}$ -7 in., depth $1\frac{1}{4}$ - $3\frac{3}{4}$ in. Height 4 ft. 4 in.

169. BILL'S FAVORITE. Stake Nos. 502, 503, and 504. Miniature Semi-Cactus, entered by Lloyd H. Moss, 820 6th Avenue, S.W., Puyallup, Washington. (78S). Jasper pink outer rows shading to coral pink with touches of lemon chrome. Flowering habit late, stem 2-8 in., slender, flower facing side. Size of flowers $2\frac{3}{4}$ -5 in., depth 1-2 in. Height 3 ft. 5 in.

180. NO. 1. Stake Nos. 535, 536, and 537. Single, entered by Louis Fioretti, Tuxedo, N. Y. (77C). Velvety, nearest carmine with a purplish tinge. Flowering habit fair. Stem 5-9 in., slender, soft. Size of flowers $3\frac{3}{4}$ - $6\frac{1}{2}$ in., depth $\frac{1}{2}$ -1 in. Height 4 ft.

181. NO. 2. Stake Nos. 538, 539, and 540. Single, entered by Louis Fioretti, Tuxedo, N. Y. (75C).

Scarlet red shading to scarlet and finally flame scarlet at the base of the petals. Flowering habit good, stem 6-12 in., slender, holds flower well up, flowers facing side. Size of flowers $3\frac{1}{2}$ - $5\frac{1}{2}$ in., depth $\frac{1}{2}$ -2 in. Height 4 ft. 10 in.

182. NO. 3. Stake Nos. 541, 542, (different from other two), and 543. Irregular single, entered by Louis Fioretti, Tuxedo, N. Y. (73C). Stake Nos. 541 and 543 mallow purple, 542 scarlet red. Flowering habit fair, stem 4-12 in., slender, holds flower well up, flowers facing side. Size of flowers $4\frac{1}{4}$ - $6\frac{1}{4}$ in., depth $\frac{1}{2}$ - $1\frac{1}{2}$ in. Height 5 ft. 8 in.

183. NO. 4. Stake Nos. 544, 545, and 546. Poor single, entered by Louis Fioretti, Tuxedo, N. Y. (72C). Scarlet red. Flowering habit fair, stem $5\frac{1}{2}$ - $14\frac{1}{2}$ in., medium, holds flowers well up, flowers facing side. Size of flowers 4- $5\frac{3}{4}$ in., depth $\frac{1}{2}$ - $2\frac{1}{2}$ in. Height 5 ft. 4 in.

184. CHARLES J. COULTER, JR. Stake Nos. 547, 548, and 549. Informal Dec., entered by Louis Fioretti, Tuxedo, N. Y. (79E). Mallow purple shading to light mallow purple, edges of outer rows mallow pink, center petals phlox purple. Flowering habit late, stem $4\frac{1}{2}$ -11 $\frac{1}{2}$ in., medium to heavy, curved, flower facing side. Both flower and stem improved by disbudding. Size of flower $5\frac{1}{2}$ - $9\frac{1}{2}$ in., depth $2\frac{1}{2}$ - $4\frac{1}{2}$ in. Height 4 ft.

185. MADRE FIORETTI. Stake Nos. 550, 551, and 552. Informal Dec., entered by Louis Fioretti, Tuxedo, N. Y. (72E). Outer rows lemon yellow, center rows lemon chrome, some petals lightly shaded with vavaceous cinnamon, closed center petals cinnamon. Flowering habit good, stem 6- $13\frac{1}{2}$ in., medium to heavy, tend to curve at the middle, flowers facing side. Both flowers and stem improved by disbudding. Size of flowers $5\frac{3}{4}$ -9 in., depth $1\frac{1}{2}$ -5 in. Height 7 ft. 6 in.

186. EDWIN C. KENT. Stake Nos. 553, 554, and 555. Miniature Ball, entered by Saverio Sardullo, Box 286, Tuxedo, N. Y. (78S). Picric yellow center petals barely tipped with light ochraceous salmon. Flowering habit good, stem $1\frac{1}{2}$ -9 in., slender, wiry, holds flower well up, flowers facing side. Size of flowers $1\frac{1}{2}$ - $2\frac{1}{2}$ in., depth $\frac{3}{4}$ - $1\frac{3}{4}$ in. Height 4 ft. 6 in.

188. GLENTHORNE. Stake Nos. 559, 560, and 561. Informal Dec., entered by Thomas McKay, Devon, Pennsylvania. (79E). Blackish carmine, bases of petals shading to carmine, center blacker than Victoria Lake, scattered undeveloped petals near center are streaked carmine, mallow purple and mallow pink, very dark center shows ribs of mallow purple on backs of unopened petals, tips of outer petals curl to show rosolane purple. Flowering habit prolific, stem $5\frac{1}{2}$ -13 in., medium to extra heavy, drooping, does not hold flower up well. Both flower and stem improved by disbudding, stem still soft and weak. Size of flowers $4\frac{1}{4}$ - $10\frac{1}{2}$ in., depth $1\frac{1}{4}$ - $4\frac{1}{2}$ in. Height 5 ft.

190. L.K. 246. Stake Nos. 565, 566, and 567. Informal Dec., entered by Nick Koenig and Sons, Lakeside Gardens, New Baltimore, Michigan. (78E). Nearest a bright carmine with velvety sheen, center Dahlia carmine. Flowering habit fair, late, stem $4\frac{1}{2}$ -12 in., medium to heavy, bent at neck, flower facing down. Size of flowers 7- $9\frac{1}{2}$ in., depth $2\frac{1}{2}$ -6 in. Height 5 ft. 2 in.

191. ANNIE PALMER. Stake Nos. 568, 569, and 570. Informal Dec., entered by E. V. Newton, Emery Dahlia Gardens, Emery Road, R. D. No. 2, Bedford, Ohio. (78E). Shades of rose color and spinel pink, center rosolane purple. Flowering habit late, would be good, stem $2\frac{1}{2}$ -12 in., medium to heavy, flower facing down, not a good stem. Size of flower $5\frac{1}{2}$ -8 in., depth $2\frac{1}{2}$ - $4\frac{1}{2}$ in. Height 6 ft. 2 in.

192. SEEDLING 1-18. Stake Nos. 571, 572, and 573. Informal Dec., entered by C. H. Stoekel, Clarks Summit Dahlia Gardens, 415 Parker Street, Clarks Summit, Pennsylvania. (74E). Light phlox purple, closed center petals phlox purple. Flowering habit good, stem 9-17 in., medium to extra heavy, drooping, soft, rubbery. Not improved by disbudding. Size of flowers 8-10 in., depth 3-5 in. Height 5 ft. 8 in.

193. ADIRONDACK DREAM. Stake Nos. 574, 575, and 576. Semi-cactus, entered by C. H. Stoekel, Clarks Summit Dahlia Gardens, 415 Parker Street, Clarks Summit, Pennsylvania. (76E). Outer rows light mallow purple, next few rows mallow pink, center rows nearly white with sulfur yellow tinging the closed center petals. Flowering habit fair, stem $3\frac{1}{2}$ -8 in., medium to slender, flowers facing down. No evident improvement from disbudding. Size of flowers 7-11 in., depth 3-5 in. Height 3 ft. 6 in.

202. 388. Stake Nos. 601, 602, and 603. Formal Dec., entered by Wm. A. Finger, Jr., Locust Valley Dahlia Farm, Cold Spring Harbor, L. I., N. Y. (70C). Deep rose pink with a streak through center of each petal

and tips of Tyrian rose, pale lemon yellow. Flowering habit late, stem 4-10 in., medium to heavy, stiff, erect, some flowers facing side and some facing upward. Both flower and stem probably improved by disbudding. Size of flowers 4-7½ in., depth 1½-3½ in. Height 4 ft.

203. ROSY DARLENE. Stake Nos. 604, 605, and 606. Formal Dec., entered by Wm. A. Finger, Jr., Locust Valley Dahlia Farm, Cold Spring Harbor, L. I., N. Y. (71C). Outer rows white daintily shaded with pale amaranth pink, center rows more colored with amaranth pink, closed center petals pale greenish yellow. Flowering habit late, stem 5-13½ in., medium, not a good stem, flowers facing side. Both flower and stem slightly improved by disbudding, stem still too weak. Size of flowers 4-7½ in., depth 1-3½ in. Height 3 ft. 2 in.

204. NO. 390. Stake Nos. 607, 608, and 609. Ball, entered by Wm. A. Finger, Jr., Locust Valley Dahlia Farm, Cold Spring Harbor, L. I., N. Y. (72C). Nearest Bordeaux with velvety sheen, shading near tips to rose color and to rosep ink at inside of tips, a few nearly white, closed center petals blackish red-purple with dull amaranth pink tips. Flowering habit late, stem 3½-8 in., medium, stiff, erect, majority of flowers facing upward. Size of flowers 4-5 in., depth 2½-3 in. Height 2 ft. 6 in.

205. SALMON PRINCES. Stake Nos. 610, 611, and 612. Formal Dec., entered by Wm. A. Finger, Jr., Locust Valley Dahlia Farm, Cold Spring Harbor, L. I., N. Y. (70C). Scarlet with carmine center. Flowering habit late, stem 4-12 in., medium, stiff, erect, flowers facing upward. Size of flowers 4-4¾ in., depth 2-3 in. Height 3 ft. 5 in.

THE OHIO VALLEY DAHLIA ASSOCIATION

A. D. S. OFFICIAL TRIAL GROUNDS

Ault Park, Cincinnati, Ohio

Robert Seibel, Superintendent

Season 1939

With appreciation to the various persons who have assisted us in completing another year in the operation of our Trial Grounds, we make the following report of scores given entries rating 80 per cent or above. As previously stated we are firmly convinced that the rating of new seedlings should be made in all Trial Grounds on a standard basis. We have made every effort to conform to the standard score card as provided by the American Dahlia Society.

No doubt with better seasonal conditions and possibly in other locations some of these varieties may have scored differently, however according to our judging throughout the growing season these ratings are the result of what they did for us. And as previously stated all may do elsewhere.

Judges in our Trial Garden are carefully instructed to judge the Dahlia as it grew for us regardless of what it

We invite all Dahlia growers who have seedlings to be tested during the year 1940 to avail themselves of our Trial Grounds. For information and entry blanks, address, Ohio Valley Dahlia Association Trial Grounds, 3628 Kroger Avenue, Cincinnati, Ohio.

CERTIFICATE WINNERS

Stake No. 162. BEGONIA ROSE. Formal Decorative. Commercial. Entered by Golden Rule Dahlia Farm, Lebanon, Ohio. 85-C. Color begonia rose, flowering habit, very prolific, excellent stem, 24 to 30 inches cutting length, very wiry, holds flowers facing side, size of bloom, 5 x 2½-3, bush 3 to 4 feet, dark green foliage, insect resistant, holds well under extensive heat.

Stake No. 164. MRS. H. C. PHILLIPS. Informal Decorative. Entered by Northbrook Dahlia Gardens, Northbrook, Illinois. 85-E. Color white overcast yellow, some blooms very light yellow, a very pleasing color, blooms very early and prolific holding up under extensive heat, not subject to sun spot or insect injury. Stems 24 to 30 inches, hold flowers facing, size 7½ x 4½ to 5, bush 4 to 4½ feet, dark green foliage insect resisting.

Varieties Scoring 80 to 84

Stake No. 152. YELLOW GIANT. Cactus. Entered by Ballego & Son, Leiden, Holland. 83-C. Color bright canary yellow, flowering habit fair, bush open growth, blooms facing up, size 6 x 3, stems 22 inches, bush 4 feet, light green foliage.

Stake No. 155. P-T. Informal Decorative. Entered by Hillcrest Roseries, Progress, Pennsylvania. 80-E. Light rose pink with light reverse, flowering habit fair, blooms carried down in foliage, some flowers wilt, size of blooms 8 x 4½, stem length 18 inches, bush 4 feet, dark green foliage.

Stake No. 157. NOS. 4-5. Semi-cactus. Entered by A. H. Rich, Land of Lakes Dahlia Gardens, St. Paul, Minnesota. 80-E. Flowering habit fair, color orchid with bronze shaded center, back petals of blooms tend to wilt, size of blooms 6 x 3½, stems 18 to 24 inches, bush 3 feet, dark green foliage.

Stake No. 159. A-10. Informal Decorative. Entered by A. H. Rich, Land of Lakes Dahlia Gardens, St. Paul, Minnesota. 80-E. Color pastel pink, flowering habit fairly good, better late in season, some blooms open centers, size of blooms 6 x 3, stems 18 inches, bush 3 feet.

Stake No. 161. NO. 418. Informal Decorative. Entered by A. H. Rich, Land of Lakes Dahlia Gardens.

(Continued on page 28)

MARIE O'KEEFE—Lovely daughter of Mr. and Mrs. Edward J. O'Keefe poses with one of Dad's prize-winners, "Mother's Day"



O. V. D. A. Trial Grounds—Cont. from p. 27

St. Paul, Minnesota. 81-E. Color bright cardinal red, shading yellow to outer edge of petals, stem weak, flower facing down, 9 x 5, 18 inch stems, bush 30 inches, very dark green foliage.

STAKE No. 163. ACE HIGH. Semi-cactus. Entered by Old Trail Dahlia Gardens, Columbus, Ohio. 80-E. Color bright yellow shading deeper to center, inclined to be crotch, somewhat succulent blooms 6 x 3, bush 4-4½ feet, light green foliage.

Stake No. 165. VICTORY. Informal Decorative. Entered by Northbrook Dahlia Gardens, Northbrook, Illinois. 82-E. Color clear pink, some blooms open center, size 6 x 4, cutting length 18 inches, bush 3 feet, dark green foliage, rather attractive Dahlia except for open center of few blooms.

Stake No. 166. NO. 118. Informal Decorative. Entered by Dr. A. E. White, Indianapolis, Indiana. 81-E. Color bright yellow, slightly crotch, size of blooms 7 x 3, bush 3 feet and heavy growth.

Stake No. 168. 119-M-7. Miniature Formal Decorative, entered by Dahliadel Nurseries, Vineland, New Jersey. 82-M. Color bright red, very prolific, succulent growth, fair stems, light green foliage.

Stake No. 170. COMMERCIAL. Formal Decorative. Entered by Fern Hill Dahlia Farm, Loveland, Ohio. 82-C. Color deep pink, shaded yellow to center (similar to Jersey Beauty), blooms 5 x 3½, stems 18 inches to 24 inches, bush 3½ feet, foliage dark green, open in growth.

Stake No. 171. CUTIE-DUPLEX. Entered by Fern Hill Dahlia Gardens, Loveland, Ohio. 81. Color Tyrian Rose with yellow center, very prolific, stems 8 to 12 inches, bush 2 to 2½ feet.

Stake No. 172. RED CLOUD. Informal Decorative. Entered by Emmons Dahlia Garden, Battle Creek, Michigan. 84-E. Color crimson with purple reverse, blooms 8 x 4, stems 18 to 24 inches, late bloomer, bush 3½ to 4 feet, dark green foliage.

Stake No. 173. NO. 169. Semi-cactus. Entered by Spring Hill Dahlia Gardens, Grand Rapids, Michigan. 80-E. Color light pink, 9 x 6 inches flowering habit fair, somewhat crotch, bush 2½ to 3 feet.

Stake No. 174. HARBOR LIGHT. Informal Decorative. Entered by Clarksburg Dahlia Gardens, Clarksburg, Indiana. 82-E. Color bright red, very attractive, late bloomer, due to being entered late, shows promise, recommended for future trial.

If you have a ball seedling to be tested in 1940 write us for particulars regarding gold medal for best ball seedling tested in our Trial Grounds. The Medal offered by Mr. Andrew Doermann, Ball Dahlia Specialist.

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The Trial Gardens at Berkeley, University of California

In making this report I wish to beg the indulgence of all those interested as the passing of first Edward Salbach and second W. W. Blood who were the respective chairman of the committee in charge of the grounds have made it a duty of one who was not in active command of the situation. Professor Goodspeed who was in charge of the actual growing has informed the Dahlia Society of California that the University cannot continue the garden in 1940.

After compiling the score cards the following rated 80 or better:

- 39.107 *Creamy Wings*, entered by Carl Salbach.
- 39.111 *Yellow Comet*, entered by Josephine Derse.
- 39.112 *Premier's Winsome*, entered by Premier Dahlia Gardens.
- 39.114 No. 113, entered by Walter Bissell.

- 39.117. F. 5 (Begonia Rose), entered by Golden Rule Dahlia Farm.

I understand that all clumps will be returned by the University in due time. If you do not receive your clumps please address Professor Goodspeed, University of California, Berkeley, California.

Compiled from the score cards by Glenn T. Mack.

• • •

New Trial Grounds

The University of Maryland, College Park, Maryland, has established a Trial Garden sponsored by the Baltimore Dahlia Society. The Trial Gardens will be operated in strict accord with the Rules and Regulations as set up by the American Dahlia Society with the exception of the charge per root or plant. This charge will be \$2.00 each. For full particulars address Dr. A. L. Shrader, Horticultural Department, University of Maryland, College Park, Maryland, or Herbert O. Aburn, Secretary, Baltimore Dahlia Society, 610 West Pratt Street, Baltimore, Maryland.

The University of Maryland is located on the Washington Boulevard where thousands of persons pass every day to and from Baltimore, Washington and the South.

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West Virginia Dahlia Society

The West Virginia Dahlia Society, now a branch society of the American Dahlia Society, announces Friday and Saturday, September 13th and 14th as the dates for the 1940 Show. The Show will be held in Fairmont, headquarters city for the state society. Again as in former years, the general program will be divided into two phases. These will be the Dahlia Show proper and the flower pageant to be presented under the title, "The Court of Flowers." Another good Show; another beautiful pageant. The pageant will be presented as an outdoor presentation.

Work on the Show schedule has been started by the Show Committee. It is planned to make the Show more extensive than ever before. C. M. Roberts, chairman of exhibits, has the rooms already blue-printed and with the new arrangements practically double the amount of exhibition space will be available.

Added space will also be made available for the West Virginia trial garden which is located on the campus of the state college at Fairmont. Oliver Shurtleff, the society secretary will be the trial garden superintendent. In connection with his appointment as superintendent of the West Virginia trial garden this Dahlia news letter includes a statement from C. M. Roberts, former superintendent. Mr. Roberts' statement follows:

"I wish to announce to the readers of the A. D. S. BULLETIN and to Dahlia growers in general, that I have temporarily given up the superintendency of the West Virginia trial garden. This step was necessitated because of extra outside work which prevented my close attention to the demands of the garden. I shall, however, continue as a member of the trial garden committee.

"In making this announcement I also want to state that my work as superintendent of the West Virginia trial garden has been taken over by my colleague, Oliver Shurtleff. As a Dahlia grower you know him much better than you know me. I bespeak for him the fine cordial support and coöperation which you have extended to me during the years of my superintendency of the garden.

"Mr. Shurtleff will receive and care for all materials intended for the trial garden which you might wish to entrust in his care. If you plan to use the West Virginia trial garden for 1940 season entry blanks may be had upon request to Mr. Shurtleff. You may correspond with him either at his home address which is 1264 Bryant Street, Fairmont, or at his office, Care State College in Fairmont.

"It might be interesting to know that the West Virginia trial garden is now a recognized branch garden of the American Dahlia Society and, as such, has a much higher rating than in former years. Dahlia growers may feel assured that the West Virginia trial garden and the new superintendent will give the best to their entries."

*Signed: C. M. Roberts,
Former Supt. W. V. D. S. Trial Garden.*

"Thank you," C. M., and we hope to be worthy, at least in part, of the fine send-off given to the new superintendent.

Best wishes from West Virginia.

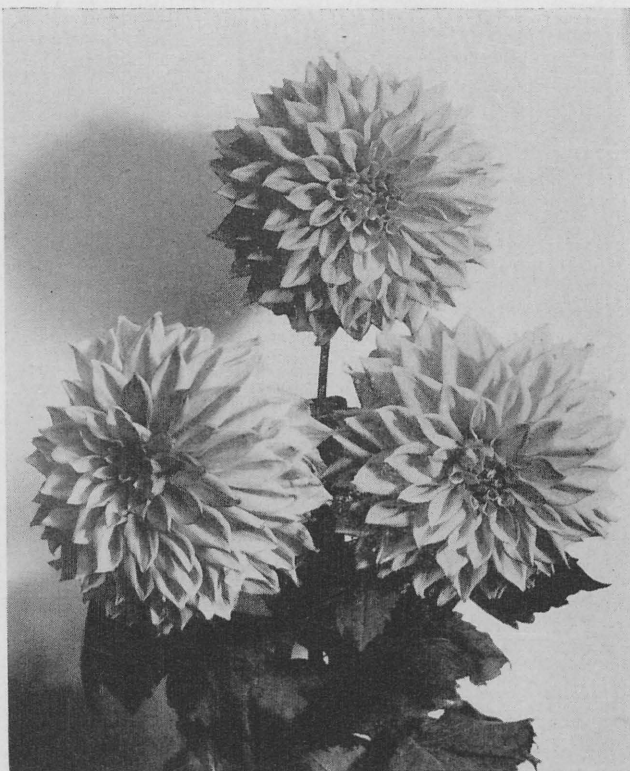
*Oliver Shurtleff, Secretary, West Virginia
Dahlia Society, 1264 Bryant Street,
Fairmont, West Virginia.*

A. D. S. Annual Meeting—Cont. from p. 14

the report of Prof. Patch with enthusiasm and approbation.

Mr. Dudley brought to the floor further discussion concerning the Hart medal. From the talk it was evident that many members were not completely satisfied with the manner in which it had been awarded in the past. It was felt that an expert gardener with time and money at his disposal and nothing else to disturb him could go on producing the best bloom of the Show. It was suggested that in the future the Hart medal would be awarded to the Dahlia receiving the most votes of a board of judges, but first it must have passed the testing gardens. A motion was made and carried that this idea, along with that given by Mr. Johnston, be turned over to a committee to determine the practical features. It was brought out that this plan would enable all Dahlia growers to buy a Hart medal winner with the full assurance that it had passed all trial garden tests and would stand up, rather than to buy it simply because it had been judged the best in the Show.

This plan, if workable, will be the most forward step in American Dahlia Society history, as, according to one speaker, it will eliminate systematic disease and put a stop to the public's buying a flower that has simply won a medal without having proved itself. Mr. Dudley and Mr. Maytrott were finally appointed to work out final plans as to just how the award will be made in the



VICTORY—Rose pink with Golden suffusion—J. W. Johnston in his House Beautiful Futurity considers this the most beautiful Formal Decorative to date

future. Inasmuch as the idea was projected by both these gentlemen, it was felt that the final method would be along the lines stated.

A suggestion that a change in our rules allowing the showing of buds and foliage in the Miniature and Pompon classes brought favorable comment and it was voted to refer the matter to the Schedule Committee.

Dean Oliver Shurtleff of the West Virginia Trial Gardens gave an interesting report stating that the gardens operated under severe weather handicaps during the past season but nevertheless he was much pleased with the results and the interest shown. Entries received being from five states.

The meeting adjourned shortly after 5:00 P. M. to be followed by the annual dinner at 6:30.

C. Louis Alling, Secretary.

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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 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."

CONRAD FREY, *President*
Nutley, New Jersey

C. LOUIS ALLING, *Secretary and Treasurer*
251 Court Street, West Haven, Connecticut

GORDON F. WAASER, *Vice-President and Editor*
269 South Grand Avenue, Baldwin, New York

EDITORIAL

Your Editor, commencing his fourth year wants to talk a little shop with you.

This is your publication—prepared for your enlightenment and enjoyment.

The support of our advertisers makes possible greater latitude in Editorial copy. Increase in advertising lineage permits us to prepare bigger and better BULLETINS.

There is just one way that we may expect them to continue and that is by making that advertising pay.

Let us resolve right now to place ALL our Dahlia business this spring with our advertisers and tell them, "we saw it in the BULLETIN."

Better business for them will mean larger advertisements and more editorial copy.

In this issue you enjoy the reports from overseas by Mr. G. F. Drayson, Mr. H. Carlé, and Mr. L. P. FitzGerald, who despite the troublous European conditions did not disappoint their A. D. S. reader public.

In addition Mr. F. V. R. Veirs, Professor E. S. Haber, Mr. D. T. Morgan, Jr., and Professor Roland H. Patch have contributed splendid articles which I know you appreciate.

These gentlemen, without exception, spend much time and thought in preparation and without the slightest remuneration.

Will you spend an hour or so as your contribution and write them expressing your appreciation. Do it now, while the thought is fresh in your mind.

ATTENTION SHOW MANAGERS—Official A. D. S. flower sizes: Miniatures, maximum four inches; Medium, maximum eight inches.

Long Island Men's Dahlia Dinner

As we go to press complete details are not available! Deep secret surrounds the party Dr. Preas is busily engaged in planning.

The date is April 13th and the place somewhere on Long Island.

Men—check off that date right now. Remember the dinner is a get together for all men who are interested in Dahlias.

Drop a line to Dr. Bruce B. Preas, Merrick Road, Rockville Centre, Long Island, New York, tell him you will be there and ask him where! Let's make it a big bully party.

• • •

Entry Blanks for Trial Gardens

Persons who are planning to enter varieties in the Trial Garden should write for entry blanks if they do not have any on hand.

For Storrs the address is: Professor Roland H. Patch, University of Connecticut, Storrs, Connecticut.

For Mid West: Professor C. E. Wildon, Michigan State College, East Lansing, Michigan.

For West Virginia: Professor Oliver C. Shurtleff, 1264 Bryant Street, Fairmont, West Virginia.

For Ohio Valley: O. W. Mills, Secretary, 3628 Kroger Avenue, Cincinnati, Ohio.

• • •

A. D. S. Show September 20th, 21st, 22nd, at the New York World's Fair

The 1940 A. D. S. Show will be held Friday, Saturday and Sunday, September 20th, 21st and 22nd in the Gardens on Parade at the New York World's Fair. Many alterations are to be made in the Horticultural Building the coming season and it promises to present a most ideal setting for our Show. There will be ample space, vases and parking accommodations. Reserve these dates. Full details will be announced in the next BULLETIN.

• • •

Growing Dahlias In Central New York

The growing of Dahlias in central New York State for at least the past twenty years has been given up by a vast majority of growers as a losing game, they just refused to blossom where years ago they seemed to flourish even in the most neglected gardens.

It was about fifteen years ago that the writer became interested in this flower and looked with envy at the beautiful pictures of the modern Dahlias, said to grow large as "A dinner plate." I well remember the first tubers purchased, among them was *Madame Jean Chazot*, this one produced a few blossoms the first year, the next year after dividing the clumps I had several hills of this variety which were just loaded with blossoms the like I had never seen before, from that time to the present my gardening hobby has been Dahlias and then more Dahlias.

My experience in growing Dahlias here in this section of the State has proved to me more than anything else that our air is too dry for the proper growth of this

flower, and just when they should be getting a good start the drought often sets in and causes stunt, and, seemingly all the pests in the State descend to finish up what is left.

Four years ago I installed a watering system, (just when we needed water the most the water board of the village refused us the use of our sill faucets for sprinkling purposes) drove a well, put in a three hundred and fifty gallon electric pump and piped this water at different points in the "Dahlia patch." Now, all the water I want and when I want it is at my command. They get during the hottest part of the day what I call a "fog" bath, just enough to moisten the air and foliage but not enough to wet the ground, this "fog" bath may continue daily as long as the air stays hot and dry. I find these mid-day sprinklings very effective against pests, especially red spider and our worst enemy here, the tarnished plant beetle. Professor Pridham of Cornell University agreed with me that as yet no insecticide would effectually eradicate this pest, of course they get a thorough drenching whenever they need it, usually any time after sun-set.

Last year my garden contained two hundred hills of Dahlias in about fifty varieties, from the tiny pompons to the large exhibition varieties that were much larger than the proverbial "dinner plate." In fact they looked so well (and this was the worst growing season encountered yet) that Mrs. Talbot and I decided we wanted others to see just how beautiful Dahlias can be, so we set aside one afternoon as visitors day thinking at least a few would like to see them. To our surprise we had nearly two hundred guests, and it did do our hearts good to see these people rave over this one and that one. One solid row of *Lord of Autumn* was "just right" with bloom after bloom measuring in size from 10 inches to 13 inches and this variety stole the Show, with good old *Jane Cowl* for second place and perhaps *Darcy Sainsbury* for third honors. I hope we have done at least a little to make more people Dahlia conscious in our vicinity.

Robert F. Talbot, New Berlin, New York.

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Our catalogue describing not only the new ones but many old favorites of all types. May we send you a copy?

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REG. U. S. PAT. OFF.



1 Pint Can

Get rid of European corn borer, red spider, Dahlia borer, and leaf hopper in Dahlias; spray Gladiolus and treat the bulbs for thrips control; eliminate Cyclamen mite in Delphiniums and protect your outdoor and greenhouse crops by using ROTOTOX Spray.

ROTOTOX is not expensive. It is shipped prepaid, terms cash with order and you receive complete directions in our Green Booklet free with your order or on request. Write for your copy of our special bulletin on European corn borer in Dahlias.

Postpaid Prices: 8 oz. (makes 12 to 24 gals. of finished spray) \$1.00; 1 pt. (illustrated) \$1.75; 1 qt. \$3.00; ½ gal. \$5.00; 1 gal. \$10.00.

Special Grower's Drum: 5 gals. \$45.00, prepaid.

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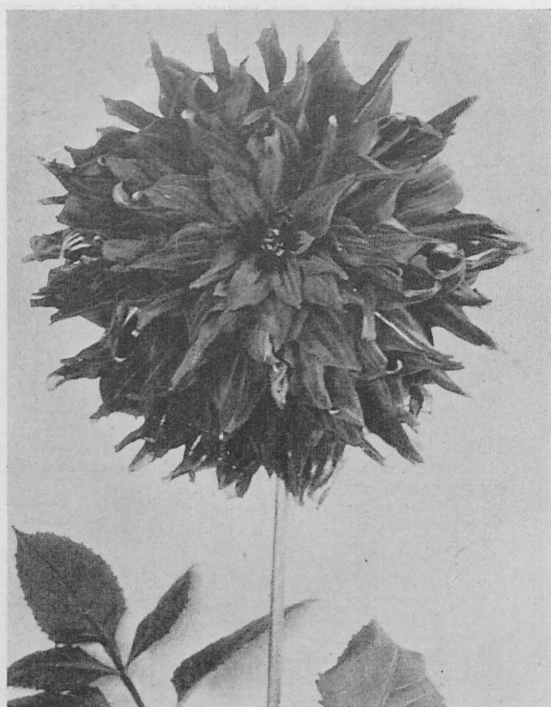
Manhattan — Mother's Day — Meegan Callaghan — Victory — Progress — Deep Purple — Pink Giant — Virginia Rute — Rita Wells — and many other top ranking numbers.

Modern methods of plant production enable us to deliver to you — in upright new containers — specimen plants we are proud to offer —

and you'll be glad to get.

SEND FOR COMPLETE LIST

HART DAHLIA GARDENS
PERRYSBURG, OHIO



Billy Larch, S.C.

Very dark, almost black at center and base of petals, shading to crimson.

Size of this flower: 13 inches.

A grand exhibition flower.

Roots \$15.00 Plants \$5.00

Poms

Miss Marjory and Cream Gem

Plants \$1.50 each

Send For Price List

Etherington Dahlia Gardens

Westwood

New Jersey

The Camden Dahlia & Horticultural Society

By Charles H. Allen, Jr.

Dr. Frank F. Moore was again elected President after being forced to give up the post due to ill health. We are all glad to have the genial Doctor back on the job, in good health again. Other officers elected were Mr. H. O. Alexander, Vice-President. Mr. Alexander has long been active in the society having been Show Manager the past two years. Mrs. Frank F. Moore was elected Secretary for the ninth year and we all know what a swell job she has done. Miss Myra Conover, Treasurer. Miss Conover has long been a member but this is the first office she has held. The annual Show will be held October 4th and 5th in the Camden County Vocational School, Browning Road, Merchantville, N. J. The Show is about a week later this year but in keeping our annual date the last week in September we find we must go to October or run in to the annual A. D. S. Show. Instead of a Show Manager this year we are going to have a Show Committee which will be headed by Mr. Charles Paist. We wish all Dahlia growers to keep this date in mind. Due to the late date it will be the last chance to show Dahlias this year and all say the late blooms are the best.

• • •

New York Show Dates, September 20, 21, 22, 1940

Thomas J. Watson

Informal Decorative. Soft buff, rose reverse. Large blooms, excellent foliage, highly resistant to heat and insects. Winner of American Home Achievement Medal, Passaic Horticultural Society 1938 Gold Medal, New Jersey Dahlia Society 1939.

Named for the President of International Business Machines Corporation.

ROOTS \$7.50

Introduced by - - -

CHARLES S. WHAN

West Norwood

New Jersey

Formerly dealing in Dahlias as
Francisco Bros.—No Catalog

Dahlia Society of New Jersey

The annual meeting and election of the Dahlia Society of New Jersey was held Saturday, January 13th, at Christ Church Parish House, Short Hills. Mrs. F. H. Fisher, chairman of nominating committee, presented the following slate, which was unanimously elected: Honorary President, Mrs. Charles H. Stout, Short Hills; President, Mr. L. L. Pollak, Montclair; First Vice-President, Mrs. W. W. Naas, Springfield; Second Vice-President, Mr. J. A. Kemp, Little Silver; Third Vice-President, Miss Virginia Stout, Short Hills; Fourth Vice-President, Mr. John L. Grider, Pompton Lakes; Fifth Vice-President, Mr. George Swezey, Hillside; Secretary, Miss Frances Hornfeck, Verona; Treasurer, Mrs. F. H. Fisher, Trenton; Executive Board, Mr. LeBoutillier, Irvington; Mr. F. D. Marker, Upper Montclair; Mrs. D. H. Meyer, Jersey City; Mr. Dewey Mohr, Rockville Center, Long Island; Mr. Kay Smith, Cedar Grove; Mrs. H. D. Thomas, Paterson, and Mr. George Warren, Summit, and past presidents Dr. C. H. Connors, New Brunswick; Mr. E. B. Lloyd, Verona, and Mr. Conrad F. Frey, Nutley.

The Society will put on an educational exhibit of Dahlia growing in the Garden Club of New Jersey section of the International Flower Show, by a committee: Mrs. H. D. Thomas, chairman, and Miss Virginia Stout, Mrs. D. H. Meyer, Mr. Dewey Mohr, Mr. Conrad Frey and Mr. George Swezey.

Mr. J. W. Johnston, horticultural editor of New York Herald Tribune, gave a resume of what he considered the best of the new Dahlias for 1939 from observation at flower Shows in various parts of the country or growing in different sections, the list including many medium size and miniature Dahlias and a few pompons. Mr. Johnston deprecated the placing, by exhibitors, of small flowered large Dahlias in medium size classes, and suggesting permitting buds and foliage in classes for specimens of miniatures and pompons. He also recommended that no first and second prizes be awarded in seedling classes, but that entries be scored and gold, silver and bronze medals be given for all Dahlias scoring in each grade. This met with the approval of all present and it was moved that such recommendation be sent to the American Dahlia Society. The speaker also paid high tribute to Dr. C. H. Connors for the splendid work he has done for the Dahlia and other gardening. After the meeting, refreshments were served by Mrs. Charles Bahr and her committee and a social hour enjoyed.

Mrs. H. D. Thomas, Publicity.

Zoological Park, Detroit Dahlia Planting

In a letter to Bruce D. Collins, Esq., Mr. Frank McInnis, Landscape Superintendent, comments on the very large attendance at the Dahlia Gardens. Voting for the most popular variety commenced on September 3rd. During September rain fell all day on two Sundays. Severe frost arrived October 1st. Nevertheless 4379 votes were cast (many additional visitors do not vote). The first ten varieties: *Detroit*, 799; *Mason's Purple Beauty*, 508; *Lois Walcher*, 429; *Mrs. C. E. Wildon*, 426; *La Reina*, 279; *Golden Goddess*, 212; *Michigan White*, 161; *Negus*, 147; *Blue Train*, 114; *Margrace*, 113.

Our 1940 Introductions

GLORIA BACHER (Guntle-Tudor), F. D. Without question the most outstanding purple Dahlia to date.

Winning the Home Achievement Medal, Special Awards and many blue ribbons at the 1939 Shows.

This Dahlia also takes its place on the Honor Roll as you will note in the Flower Grower.

Roots \$10.00 Plants \$3.50

PICKINANNY (Guntle-O'Neal). An Orchid Flowering Dahlia of the most unusual color. A deep velvety oxblood. Winning first in the undisminated at Indianapolis, Cincinnati and New York. Special Awards in arrangements at Indianapolis and A. D. S. Show, New York.

Roots \$3.00 Plants \$1.50

See November issue A. D. S. for full descriptions

GUNTLE'S DAHLIA GARDENS

O. A. Guntle, Proprietor

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Dahlia murex	Kilgore's Lucifer	The Governor
Deep Purple	Mother's Day	Thunderbolt
Flash	Maffie	Windsor Colonel
Kemp's Challenger	Manhattan Progress	Yellow Glory

Also best 1939 and previous introductions
Roots and Plants

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FOR 1940
PINK AMELIA — GIANT DAHLIA
 A New True Pink 1940 Introduction
 PLANTS \$4.00

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7 ROOTS ONLY \$2.00
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Buy the best plants now and win a prize

Alice May Hillside Sunset Premier's Winsome
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Beginners Root Specials 10 large named varieties all labelled postpaid only \$1.15, our selection.
 5—Beautiful Free-Blooming Minatures, only \$1.15.
 10—Fine Free-Blooming Pompons, our selection, only \$1.15.

Ask for my 1940 dahlia, book of 36 pages with listing of over 420 varieties and 25 new 1940 introductions.

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A. T. Edison Grand Rapids, Mich. R 2 - Box M

Introducing:

RAINIER'S MITE—A distinctive novelty of a pompon Dahlia which is almost a perfect ball. The petals are as tight around the stem on the back of the bloom as on the front giving it the greatest depth of any pom. In color it is amaranth purple and the size ranges from 1 to 1½ inches in diameter. The plants are of medium height and the flowers are held on slender stems. Received a Certificate of Recommendation at Georgia Trial Grounds.

Roots \$2.00 net

MRS. HELEN GOETZGER—An informal of the medium class that received an Award of Honor at Georgia for artistic form. The color is clear picric yellow with the petals twisting, curling and deeply serrated. The centers are high, tight and full. The blooms will average 7 inches in diameter by 5 inches in depth but by forcing 10 to 11 inches can be attained. The plants are vigorous and of medium height.

Roots \$7.50 net

ANDREW F. DOERMANN

North Trevor Avenue

CHEVIOT

OHIO

Northeastern Pennsylvania Dahlia Society

Our 1940 Show will be held on September 13th and 14th at the Scranton Y. W. C. A. Orrin F. Keene will again serve as General Chairman. The Dahlia Show Gardens at Nay Aug Park will again be one of the big projects of the Northeastern Pennsylvania Dahlia Society. This Show Garden project was such a splendid success in 1939 that the park authorities just about insist that we conduct the planting again. Coöperation in the matter of stock donations from Commercial Growers from all over the world will be deeply appreciated by the committee in charge of the planting. All stock should be sent to R. W. Webb, 1322 Schlager Street, Scranton, Pennsylvania, and proper care will be taken of same. To keep the planting uniform, three plants or roots of each variety is proper. Clumps will be returned to the donors at digging time, in all cases where the donors want them returned, otherwise all clumps will be destroyed or disposed of in whatever manner the owners request.

Indianapolis Dahlia Society

Although a drought in central Indiana played havoc with our show blooms last season, the Indianapolis Dahlia Society is enthusiastically going ahead with plans for this year. Our program, which has been printed for distribution among members and prospective members is as follows:

December 20, 1939	Flower Pictures	Mr. Leo Matthews
	Moving Pictures	Dr. W. E. Kennedy
January 17, 1940	Growing Seeds in the House	Mrs. Perry O'Neal
	Plant Subscription to New Varieties of Dahlias	
February 21st	Chrysthemum Culture	Mr. F. A. Bauer
	Making a Beautiful Lawn	Mr. J. H. Peterson
March 20th	Cacti	Mrs. C. A. Jarvis
	Dahlia Culture	To be selected
April 17th	Insects and Their Natural Enemies	Professor Henry Nestor
May 15th	Tulips	To be selected
	Iris	Mrs. C. Hughel
May 20th	Plant Sale	
June 19th	Evergreens	Mr. W. J. Esterline
	Growing and Showing Dahlias	Mr. M. Y. Thomas
July 17th	Roses	Mr. Alex Tuschinsky
	Japanese Arrangements	Mr. Howard Benson
August 25th	Tour of Gardens and Basket Dinner	
September 14th-15th	SHOW	
October 16th	Lillies	Mr. Smolenski
	Digging and Storing Dahlias	Mr. Willard Johns

November 20th

House and Indoor Gardening Mr. D. T. Gebhart
Election of the Board of Directors

The new officers and directors for 1940 are: Raoul H. Ayers, President, 4658 Rookwood Avenue, Indianapolis; Frank Key, Vice-President, Carmel; Mrs. Paul R. Pike, Treasurer, 6221 Washington Boulevard, Indianapolis; Mrs. A. E. White, Secretary, 6215 Washington Boulevard, Indianapolis.

Leo Matthews.

The Haledon Floral Society, Inc., N. J.

At our January meeting the following officers were elected for the year 1940: President, Mrs. F. W. Leonard, 154 Church Street, Haledon, N. J. Vice-President, Edward Rayot, 338 Belmont Avenue, Haledon, N. J.; Treasurer, Mrs. S. T. Buser, Terrace Avenue, North Haledon, N. J.; Financial Secretary, Henry Huebner, 113 North 6th Street, Paterson, N. J. Corresponding Secretary, Ernest Engelsman, 150 Oakwood Avenue, North Haledon, N. J.

At this time I would like to thank our two retiring officers: President, Mr. Robert Spiesser and Corresponding Secretary, Mr. James A. Malone, for their untiring efforts with which they have served the Society for the past years.

At the completion of the business meeting the members along with a number of friends gathered in the "Social Room" where we enjoyed a program of acrobatic dancing and vocal renditions prepared by our Master of Ceremonies Mr. Bert Brandeal.

We then were taken on a trip through the "New England States" via camera by our friend Mr. Richard Vanderheid of Hawthorne, N. J.; we also enjoyed a number of interesting shots of "The New York World's Fair" and A. D. S. trial grounds at Storrs, Connecticut, the gardens of Albert Parrella, Hanna Dahlia Gardens, and the Dahliadel Nurseries in full color after which refreshments were served by the ladies.

Ernest Engelsman, Secretary.

We regret to announce the death on December 26, 1939, of a man who was mainly responsible for the existence of the "Haledon Floral Society," namely James Birch. He with three or four other Dahlia enthusiasts in August, 1927, met and laid the foundation of our society, "Jim" as he was call by all of us will be sadly missed. He also was a recent member of the A. D. S. His rather untimely passing is a loss to "Dahlia Fandom" throughout this Haledon section.

WE ARE FEATURING FOR 1940 FIVE VERY LARGE EXHIBITION DAHLIAS

Carolina Maid, F. D. Megan Callaghan, S-C.
Gillman's Beauty, F. D. Mothers Day, I. F.
Purple Lady

and our usual list of Prize Winners

Send for our List in December

H. H. ROBENS

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Premier's Winsome	Pink Amelia	Deep Purple
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American Victory	Purple Lady	Glenden's Peach
Aztec Chief	Silver Lady	Heracles
Billy Larch	Tasmania	Maffie
Carolina Maid	The Governor	Manhattan
Carpe Diem	Victory	Mother's Day
Thomas J. Watson	Yellow Glory	Nancy Mitchell

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Carl Dahl Robert Ripley Volcano
Divisions 75 cents each

FOR CUTTING GROW - - -

Sylvia Preakness Market Glory
Divisions 35 cents each

Or Many Others We List

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HONOR ROLL AND CERTIFICATE DAHLIAS

Listing Dahlias such as Consul General Quist, Nagel's Giant, Mme. Jussiant, Glamour, Everybody's Favorite, Lois Walcher, Enkart's Prima, Darcy Sainsbury, Julius L. Bunge, and many other of the best Dahlias.

Send for our Catalog

ROSEMARY DAHLIA GARDENS

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STOLZ DAHLIA GARDENS

Introducing for 1940

MRS. HELEN GOETZGER, Informal Decorative
The most artistic yellow informal to date. Size 7 to 10 by 5 inches deep on strong straight stems held facing 6 to 8 inches above uppermost pair of leaves. A real good Dahlia, early and late. A sure winner in the 8 inch class.

Certificate of Honor Georgia Trial Garden 1939.

Root \$7.50 net Plants \$2.50 net

RAINER'S MITE, Pompon

A distinctive novelty of a pompon Dahlia which is almost a perfect ball. The color is amaranth purple. Size 1 to 1 1/4 inches. A real exhibition variety.

Roots \$2.00 net Plants 75 cents net

BANDOENG, Informal Decorative

Blending of amber and gold with dark mahogany center, free flowering, foliage and stem first-class. Size 7 to 10 by 5 inches.

Award of Merit Ohio Trial Gardens 1938.

Certificate at A. D. S. Trial Gardens at Storrs 1939.

Certificate of Merit at Brussels 1938.

Plants Only, \$2.50 net

CONSUL GENERAL QUIST, Semi-Cactus

Soft shell pink, darker to the center. The edge of petals elegantly undulating giving the flower a very lovely appearance. Size 7 to 9 by 4 inches.

Award of Merit Wisley, England 1939.

On Johnston's House Beautiful Honor Roll.

Plants Only, \$2.50 net

Also strong, healthy plants of the following: Chamberlain, Katie K, Claire Mortimer, Glamour, Hillside Sunset, Gladys Glad, Premier's Winsome, Virginia Shipley, Ruth Quick, etc.

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CREAM LADY (Lee-Tryon)

A beautiful cream color incurved cactus with strong erect stems. Won first at Tacoma, Sweepstakes at Portland, Oregon, in 1939. A truly outstanding Dahlia priced extremely low at \$5.00 net

SUNLITE GIANT SUNBEAM and many other quality Dahlias fully described in our free catalog.

TRYON'S DAHLIA GARDENS
(Oldest in the State)

(formerly LEE'S DAHLIA GARDENS)

Steilacoom

Washington

FOREIGN DAHLIAS

From England, France, Holland, Belgium, Czechoslovakia, Japan, Australia

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203 South Naches Avenue

Yakima, Wash.

Western Pennsylvania Dahlia Society

The Western Pennsylvania Branch of the American Dahlia Society is proud to report that, in spite of a temperature of zero, we had a turn out of 64 members at our January 18th meeting at the Pittsburgh Garden Center in Schenley Park.

Why! A splendid program, plus a real love for our favorite flower, the Dahlia; second most used flower in the United States. Who wouldn't come out, even on a night like that, to hear Oliver Shurtleff speak—to say nothing of a concise, excellently presented report by our own member, Mr. Arthur Banks, on the 1940 Introductions? After his snappy talk on the names, descriptions, ratings and reported merits of the outstanding new Dahlias, Mr. Shurtleff gave a talk, such as only he can give on "Trial Gardens." Vice-President of the A. D. S. Superintendent of the Fairmont Trial Gardens and aptly nicknamed the "Will Rogers of Dahlias," he gave an instructive talk on the purpose of trial gardens, named the four in the country; the mother garden of Storrs, in Connecticut, that at East Lansing, at Michigan State University, the one at Cincinnati, and the Fairmont garden, and then went on to tell the types of cultivation, methods of judging and rating, recommending that you be reasonably sure that you have something good before you send it in to a trial garden, something decidedly better than anything of its type yet produced and that you try to fill in every entry on the blank sent in.

Mr. Shurtleff specially emphasized his desire to see entries made in at least three trial gardens; that all entries be made through the mother garden at Storrs. He suggested that a "rate charge" be made and paid to Storrs and \$2.00 per entry, per garden, be allocated to each branch garden where the Dahlias are entered, the balance to be used by Storrs garden for registration of names, supplying uniform entry blanks, and uniform grading charts. Interspersed with the serious and instructive information given, was a generous sprinkling of humorous philosophy, that continued over into the social half hour after the meeting, when coffee and doughnuts were served, affording members, both old and new, an opportunity to become better acquainted.

At our next meeting on March 21st, we are looking forward to adding to our knowledge of "Flower Insects," by an illustrated talk by Dr. L. E. Dills, Extension Entomologist of Penn State College, and Mr. I. T. Fleck, our secretary, is to give a talk on the "Propagation of Dahlias," illustrated by sketches.

Our officers and committee chairman for this year are: Mr. Herman Rapp, of Leetsdale, President; Mr. John Spielman, of Dormont, Vice-President, Mr. I. T. Fleck, of Pittsburgh, Secretary; Mr. J. G. Barry, of Pittsburgh, Treasurer; Mr. Carl Hoggsett, of Beaver, Chairman of the Program Committee; Reverend A. J. Stewart, of Pittsburgh, Chairman of Publicity; Mr. A. E. Heil, of Mt. Oliver, Membership; and Mr. Jack Ripper, of Butler, Show Chairman.

Hagerstown Dahlia Society

At its recent monthly meeting the Hagerstown Dahlia Society elected the following officers for 1940: President, H. C. Kuhn; First Vice-President, I. Keller Shank; Second Vice-President, Lewis E. Fiance; Secretary, H.

K. Ramsburg, 57 Wayside Avenue, Hagerstown, Maryland; Assistant Secretary, Mrs. Wilbur H. Lewis; Treasurer, Charles W. Zahn; Executive Committee, Charles A. Eldridge, Chairman, A. H. Sherman, Oscar R. Moser, Hosmer, C. Grove, D. A. Gossard, Mrs. H. C. Kuhn, Mrs. H. K. Ramsburg.

The past year has been one of the most successful we have ever had. Plans are being formulated for our 1940 Show which promises to surpass anything we have ever held yet.

H. K. Ramsburg, Secretary.

News and Notes From Dahlia Society of Michigan

As these notes are being written, it is snowing outside my window, and it might be hard for any gardener who was not a rabid Dahlia fan to be thinking about Spring, and flowers, but already I have a few roots on the bench in my little greenhouse, and am watching them daily to see the first sign of life, which will herald the start of the 1940 Dahlia Season.

By this time, most of us will have scanned the Honor Rolls, examined the advertising, and read the catalogues to see what is really new and worthwhile, and most of us have decided on what to purchase for 1940. I still maintain there are too many new Dahlias being introduced, and put on the market each season, for the good of the business.

I am reminded of a list of 5 important factors, which should be used, in passing judgment on any new flower, be it Dahlia, or zinnia, and which are taken from the price list of a very fine grower of perennials. Here they are:

1. It must fill a definite garden need.
2. It must be good enough to replace some standard variety.
3. It must be easy to grow under general garden conditions.
4. It must be easy to propagate, so its price will be within the purse of the average gardener.
5. It must be really beautiful in itself, readily attracting attention, because of its own flowers and growth.

I am wondering how many of the new introductions would be put on the market, if they were to pass these rules.

Our friend Nick Koenig has recently completed a fine new root storage building, on his new location. It is of concrete block basement, which will be used for Dahlia root storage, and one-story frame, which will house his glads. Nick has purchased the location which he has been using the past two years, and is really dressing it up to make it perhaps the finest Dahlia garden in the country. He will have the entire frontage landscaped, with lawns and Dahlia beds, with plenty of parking space for visitors, flood-lighting for night visitors, and a spot that will become a mecca for Dahlia lovers, the country over.

Dr. Del Marr, our worthy Canadian member, who is doing a lot of experimenting with chemicals on Dahlias, has a bigger and better program planned for his planting this coming season. Doc has been experimenting with colchicine and other chemicals, known to have some effect on plant growth, and the change in chro-

ZANT'S DAHLIAS

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All rated for performance as they grow for us

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Miniatures — Pompons

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If you want Dahlias that grow, try Queens Dahlias. We ship A-1 stock. Send for price list.

1940 GIANT INTRODUCTIONS

"NELSON EDDY" "GOEPNER"
"JANE LANKTREE"

\$15 each or one division of all 3 for \$30 net

Our Dahlias won 36 prizes in two Shows in 1939. Also Certificate of Merit at the World's Fair in San Francisco where we staged a continuous Dahlia Show from June 12th to October 29th, the closing day of the Fair; 48 exhibits in all. Our's was conceded by all to be the Most Outstanding Exhibit.

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CANARY QUEEN

WINNER OF HIGHEST AWARD 1939

This formal decorative Miniature was given an Award of Honor by the Georgia Dahlia Society for distinctiveness in color, abundance of flowers of good formation and a plant of good growth. Order immediately.

Stock limited

Root \$2.50 net, or 3 Roots for \$6.00 net

HADDONDALE DAHLIA GARDENS

Haddon Heights

New Jersey

"FANDANGO"

Velvet red, gold tips—cream collar. Medal at San Francisco. Flower Grower and House Beautiful Honor Rolls.

"The best collarette that I have ever seen."—J. W. Johnston.

"SWEET SUE," M. F. D.

Pink with cream center—Petals quilled

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If so, we have the proven winners and the newest novelties for 1940. *Quality always—prices right.*

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The really useful and instructive catalogue. Write now for your copy—*it's free.*

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10 FINE DAHLIAS, \$1.00

LABELLED, PREPAID

Any of the following: City of Wellston, Golden Beauty, Hillcrest Mandarin, Immaculate, Indiana, Lady Grace, Marmora, Meadowbrook, Rose Glory, Trader Horn, Sanhican Monarch, Indian Maid. Catalog free.

KUNZMAN'S

NEW ALBANY

Indiana

mosone count, so this good Medic will bear watching. The Dahlia world is lucky to have such men as fans, and Doc is a real addict.

Our good friend Floyd Forbus, of Flint, really went to town with his cloth house last season. Never have I seen such growth, such blooms, and such enthusiasm. Floyd really knows how to grow them, and on just a city lot too.

The color-photograph bug has bitten several of our members and from recent observation, it is going to be more prevalent than ever in 1940. Recently we held our January meeting which was "PICTURE NIGHT," and we were surprised to see so many fine colored slides, taken by our own amateur growers. It is a fine hobby, and gives the Dahlia fan something to admire during the winter months.

George Burkart, our eminent Vice-President, keeps insisting that he will retire from the commercial Dahlia business this year. I think he said something like that last year. That would mean cutting down his planting and his stock and if we know George, we are betting him a new hat that we will be old and gray when he does that.

The report of our planting at the Detroit Zoological Park which appears in this issue is interesting. It proves that human beings are not so far removed from animal life when a big RED Dahlia will win the votes over all others. We think this planting is a very worthwhile project, and our hats are off to Frank Vaydik, and Frank McInnis, the Park gardeners, who makes this exhibit possible.

One of our amateur members, Mr. Benjamin Hertel, of Grand Rapids, Michigan, had two of the finest seedlings at the Trial Grounds last season. Mr. Hertel is an architect, who has been growing Dahlias as a hobby, and his ability to select and grow new seedlings, is admirable.

There are some new and worthwhile seedlings being grown by our Michigan Growers, which have not been seen by many and will not be introduced for a year or two, but when you see them, you will say "There is something new under the sun."

Bruce Collins.

Kitsap County Dahlia Society

The fifteenth annual Show of the Kitsap County Dahlia Society was held August 24th and 25th at the Methodist Church in Bremerton, Washington.

This was one of the most successful Shows ever held by the society, there being more entries than usual, especially in the novice class. Also the blooms this year were of exceptional quality.

Sweepstakes prize was won by Mr. and Mrs. R. P. Turnquist on their seedling, *Martha Churchill* (best undisminated, three or more years old). The bloom was a beautiful incurved cactus, ragged in appearance, and shading from a peach center to salmon-rose.

Runner-up prize was won by Mr. R. L. Sinclair on a large red and yellow blended informal decorative. Many suitable prizes were given by society members and friends.

M. K. Hastings, Secretary.

Wellsville Glad-Dahlia Club

In November over two hundred members partook of a sumptuous turkey dinner. Following the dinner, movies of gardens and the life history of the Moth were shown and a travelogue of Mexico was illustrated by technicolored movies. These pictures were taken and shown by Mr. Albert Gifford of Cleveland.

On February 5th, Dr. E. F. Bennett of St. Thomas, Ontario, Canada, spoke to the Club and the towns people.

March 4th, C. E. Wildon, of State College, East Lansing, Michigan, the director of the trial grounds and so well known in the Dahlia World as to need no introduction, will speak at the Wellsville meeting. He promises to bring slides of new introductions and movies of the great Michigan gardens. This meeting will be held in the Odd Fellow Temple, at Fifth and Main Streets, at eight o'clock. Everyone who can possibly hear Mr. Wildon should do so. The Wellsville Club extends a cordial invitation to visit with us.

The Seventh Dahlia Show will be held, Saturday and Sunday, September 28th and 29th, in the Beacon Memorial Gymnasium. Featured will be strong seedling classes. The American Home Achievement Medal and House Beautiful Medal.

The 1940 officers are: President, E. L. Savage, Ninth Street, Wellsville, Ohio; First Vice-President and Dahlia Show Chairman, William S. Haugh, Seventh Street, Wellsville, Ohio; Second Vice-President and Gladiolus Show Chairman, W. M. Crawford, Buckeye Avenue, Wellsville, Ohio; Treasurer, Mrs. E. L. Savage; Secretary, Mrs. W. M. Crawford, 905 Buckeye Avenue, Wellsville, Ohio.

Sincerely yours,

Maud Crawford, Secretary.

Baltimore Dahlia Society

The Baltimore Dahlia Society now that it has become a Branch of the American Dahlia Society has started the year off with a bang. New officers were elected for 1940 as follows: William F. Schaun, President; Harry J. Quick, First Vice-President; George Schirmer, Second Vice-President; Herbert O. Aburn, Secretary; John C. Mencke, Jr., Treasurer; George Mumma, Financial Secretary and Earl P. Loller, Charles M. Diffenderfer, N. A. Gossman, Marvin Shipley, Herman Graf, Roy Tracy, N. A. Scheel, Henry Cory, Board of Governors.

Final arrangements have been made for the Trial Ground at the University of Maryland, College Park, Maryland, sponsored by our Society.

Show dates have been set for September 29th and 30th and if enthusiasm and interest count we should have one of the very finest.

The Dahlia Society of California

Glenn T. Mack, Secretary

At the annual meeting of the Dahlia Society of California the following were elected to serve for 1940: President, Lester G. Glasson, 1017 Stanyan Street, San Francisco; Secretary, Glenn T. Mack, 173 Merced Avenue, San Francisco; First Vice-President, Richard T. Eddy; Second Vice-President, Alice Meussdorffer; Treasurer, A. C. Bennett; Directors: C. W. Bailey, Al-

BALLAY-CALIFORNIA

FAMOUS

"Giants of the Showroom"

STRAIN

All HONOR ROLL Dahlias

New for 1940

Evelyn Chandler
King Cole

Maestro
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New in 1939

Gertrude Lawrence

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We sell Roots only but plants may be had from the leading growers in your locality.

Our beautifully illustrated new catalogue is free on request.

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WHOLESALE

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RENEE—A little cactus miniature, a pale amber to yellow in color, with long stiff stems and nice formation. Bushes full with blooms. This little miniature was shown at the Olympia and Tacoma Shows in 1939 and won first at both Shows in its class.

Roots \$1.00 net

PAULHAMUS (Franklin - Far West)—A large informal decorative of bright scarlet red with reverse of soft gold. Nice foliage and good stems. Price within reach of all.

Roots \$2.50 net

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DAHLIAS OF SPECIAL MERIT

Plants—Manhattan, Progress, Megan Callaghan, Flash, Virginia Rute, Miss Florence Smith, Earl Baldwin, Sir Stephen Tallents, Kanaka.

Prices Right

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Dahlias Roots - Plants - Seeds

HAVE YOU GROWN OUR DAHLIAS LATELY?

If not, get in line with the big parade and order some now! Our Dahlias have proven to be prize-winning and successful wherever grown. You may be interested to know that the PARRELLA DAHLIA GARDENS had taken the most prizes at "Gardens on Parade" New York World's Fair. As an introduction of our stock we offer you 12 large Prize Winning varieties, our selection, named and labeled for \$2.00. (Regular value five dollars or more catalogue price).

Our 40 page Illustrated Catalogue ready now, free for the asking, which will describe to you the best there is in Dahlias.

PARRELLA DAHLIA GARDENS

3380 ELY AVENUE BRONX, NEW YORK

Award of Honor

Varieties that have proven their worth
Include them in your 1940 planting

Kentucky Sweetheart—bright rose pink incurved cactus. Blooms average 8 by 4 inches, have good substance and face on fine stems. Plants vigorous and of medium height. Award of Honor, Georgia, 1938, and on House Beautiful Honor Roll.

Divisions \$10.00 Plants \$3.50

Mrs. Helen Goetzger—pierce yellow informal, petals curl, twist, and are deeply serated, giving a most artistic effect. Blooms average 7 to 8 by 5 inches; has been grown 10 to 11 inches. Flowers face on good stems. Plants medium in height and strong growers. Award of Honor, Georgia, 1939.

Divisions \$7.50 net Plants \$2.50 net

Rainier's Mite—a distinct novelty of a pom-pom Dahlia which is almost a perfect ball. The petals are as tight around the stem on the back of the bloom as on the face. The color is amaranth purple. Recommendation, Georgia, 1939.

Divisions \$2.00 net

My List Is Yours For the Asking

WHITE'S DAHLIA GARDENS

1814 Richmond Drive Louisville, Kentucky

bert Harris, Reverend Little, Lloyd B. Sayers, Frank Pelicano, J. L. Gaylord, Robert McWhirter, Mrs. Clara R. Lucy, Mrs. R. D. McAuliffe. Honorary Vice-Presidents: Hon. Angelo Rossi, Joseph Phillips, Lynn B. Dudley, Conrad Frey, Carl Salbach, J. Louis Roberts.

The Show dates for 1940 were selected as August 28th and 29th and to be held in the Rotunda of the San Francisco City Hall.

Northeastern Pennsylvania Dahlia Society

The First Annual Dinner of the Northeastern Pennsylvania Dahlia Society, Branch of the American Dahlia Society, was held in the auditorium of the Y. W. C. A., Scranton, Pennsylvania, on Saturday evening, January 27th, at seven o'clock, with a large number present. The Invocation was given by Mr. John R. Steele, of Shamokin, Pennsylvania, after which the group sang America. Mr. R. W. Webb, Toastmaster, welcomed the group and made a few remarks relative to the friends he had made personally through the growing and showing of Dahlias, after which he introduced Mr. Anton Schultheis, "Dean of Scranton Florists," as one of the speakers of the evening. Mr. Schultheis talked on the Florist of Yesterday and Today, citing the differences both from a commercial and growers standpoint. He also spoke on the advisability of using Dahlias commercially.

Toastmaster Webb read a poem, "You Can't Win Blue Ribbons," which was to have been his introduction for "Television Ed. Keck" of White Haven, Pennsylvania, who unfortunately was unable to be present because of illness throughout his family. He then introduced Rev. C. H. Frick, President of the West Side Flower Club, Kingston, Pennsylvania, who gave a short talk stating that since the two organizations have many members from the same locality, we should coöperate in our various undertakings.

O. F. Keene, Show Chairman, was next introduced. He announced that our Second Annual Show would be held in the Y. W. C. A., Scranton, Pennsylvania, September 13th and 14th, 1940. He asked that all members as well as the Committee coöperate in putting our second Show over in a big way. He also stated that we did not lose money on our first Show which is quite unusual.

At this time, Mr. R. W. Webb, Show Garden Chairman, announced that the Show Garden at Nay Aug Park would be continued again this year. This garden is sponsored and directed by the N. E. Pennsylvania Dahlia Society in coöperation with H. M. Kerber, Superintendent of City Parks, Scranton, Pennsylvania. Mr. William Farmer, Chief Gardener at Nay Aug Park, was introduced and asked to stand. Mr. Webb again solicited the coöperation of growers and dealers in getting roots and plants to help make the Show Garden the huge success that it was last year.

C. H. Stoeckel, President, was introduced and gave a short talk expressing his pleasure for the large attendance. He stated that one year ago the Society was organized with eleven members, the membership to date being sixty-five, and that he had great hopes of raising it to one hundred fifty during the coming year. Mr. Stoeckel, in his inimitable way, introduced the honored guests of the evening, all members of the A. D. S., namely: Con-

rad Frey, President; Lynn B. Dudley, Past President; C. Louis Alling, Secretary-Treasurer; H. Dewey Mohr, Third Vice-President, and Ed. Lloyd, Show Chairman, who in turn gave short talks congratulating the Society upon its work and fine growth during the past year. They also welcomed our Society as a Branch of the A. D. S. and invited us to exchange views and ideas thereby helping each other to bigger and better attendance, also better Shows and programs. Mr. Mohr said that he appreciated the boost which Mr. Webb gave his Dahlias and stated that he gave roots for the Show Gardens last year and would continue to do so as long as we have a garden, in memory of his father who was born in Pennsylvania and was also a Dahlia fancier.

President Stoeckel presented the out-of-town guests with "Coal Novelties" in the form of ash trays, made especially for the occasion and donated by Mr. Z. W. Kosmela, First Vice-President, of Plymouth, Pennsylvania. He then made a plea for new members but asked also "that we remember to bring in only those people for whom we can vouch."

Mr. Samuel Kasson, Chairman of Programs, was next introduced and in turn solicited the suggestions of members and friends on "How Best to Serve You" with interesting programs, also other means of bringing more members out to the regular meetings, after which he directed colored motion pictures of the Dr. Shurtleff West Virginia Dahlia Pageant, also colored slides of the Trial Gardens of West Virginia. Colored slides taken by Mr. George Curry, of Sheboygan, Wisconsin, showing some of the Dahlias encountered on his 1939 Dahlia tour. The Trial Gardens at Storrs, Connecticut, were also shown and explained by Mr. Dewey Mohr. Mr. Dudley gave a short resume of the work at Storrs Trial Gardens now celebrating its twentieth anniversary. Mr. William E. S. Miller of Clarks Summit, Pennsylvania, directed the musical program.

Toastmaster Webb closed the dinner meeting at 11:00 P. M. thanking the committee for their cooperation in making it a grand success.

East Liverpool, Ohio, Dahlia Society

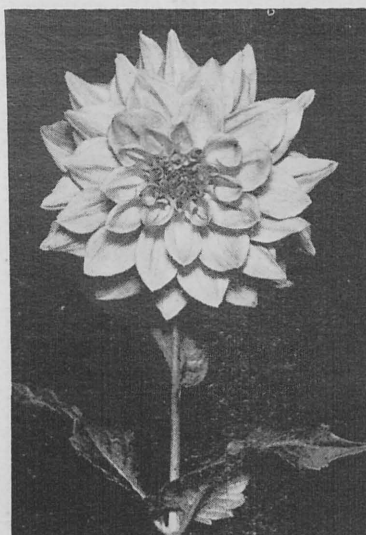
The East Liverpool Dahlia Society at a Special meeting on November 2, 1939, held in the St. Stephen's Parish House at which time the losing side in the recent Membership Campaign captained by H. J. Gallimore was hostess to the winners—captained by President George H. Shepp.

A very fine program was arranged with none other than our good friend and Dahlia authority, Mr. Oliver Shurtleff, of Fairmont, West Virginia, being our principal speaker.

Mr. Shurtleff pleased the crowd of over 200 Dahlia Bugs with his ever fine humor and philosophy in the growing of Dahlias, and he also showed colored motion pictures of the 1939 Court of Flowers, a Pageant he presents each year in conjunction with the West Virginia Dahlia Society Show, held at Fairmont, West Virginia. We were very happy to have Mr. Shurtleff with us and by a unanimous voice he is urged to come back again.

The balance of the evening was spent around the several tables well filled with all the good things to eat as only our Social Committee are capable of preparing

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1940
RATED
CATALOGUE

The most
complete and
serviceable
we have
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GOLDEN RULE DAHLIA FARM

Harley T. Peck & Sons

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Lebanon, Ohio

DAHLIAS

Blue River, Lord of Autumn, Murphy's Masterpiece, Clara Carder, Adorable, Elissa Landi.

Above collection only \$2.00

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PREFERRED DAHLIAS

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WIN

If they'll grow in the Deep South they'll
grow anywhere

Send for our Selected List and Guarantee

Preferred Dahlia Glad Gardens, Inc.

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Hapeville, Georgia

WOLVERINE'S PREFERRED DAHLIAS
AT REASONABLE PRICES

WOLVERINE GARDENS

Grandville

Michigan

and discussing pro and con the many 1939 Shows, with every one resolving to make 1940 another banner year for the popularity of the Dahlia..

At our regular meeting on November 9th, the following officers were elected for 1940: President, George H. Shepp; Vice-President and Show Manager, Thomas R. Martin; Second Vice-President, John T. Eccleston; Third Vice-President, John Gallimore; Secretary, Harold J. Gallimore; Treasurer, Thomas Watkin; Press Secretary, Miss Ora McElroy; Financial Secretary, Mrs. H. J. Gallimore; Chairman of Social Committee, Mrs. Inez Smith. Other members of the Executive Board are Roy Smith, William Jobs, Frank Shone and Harry Johnson.

Our 1940 Show dates have been set for Friday and Saturday, September 20th and 21st.

At our meeting on December 7th we held our Annual Christmas Exchange Party with Santa Claus himself being present who distributed gifts to the sixty members present, and presented a very fine program consisting of a short talk on the Storing of Dahlia Clumps, Musical Numbers, Christmas Carols, and the Showing of Colored Motion Pictures, taken of Local Gardens the past year. Reports were given showing that 1939 had been one of the outstanding years for our Society, in enthusiasm, new members, Show and attendance, and we wish to extend our sincere thanks to all those who helped make it such.

A committee has been appointed consisting of Mr. George H. Shepp and Harold J. Gallimore to cooperate in the formation of a more Solid State Dahlia Society, with the purpose of holding the State Show at various cities throughout Ohio. The State Show has been awarded to Toledo, Ohio, for 1940, and will be held on September 14th and 15th, and the East Liverpool Society are extending an invitation to hold the 1941 State Show in our city.

The meeting on February 1st was in the form of an Information Program, with each one in attendance presenting a question they would like answered, and then forming a Round Table for the asking and answering of said questions.

We are all looking forward to the meeting of March 7th at which time we will hold our Annual Tuber Sale when the membership are permitted to procure their wants in the way of new Dahlias at a nominal cost. We are happy to announce a very special added attraction in being able to present as our guest speaker the very well known humorist, entertainer and philosopher, Mr. Charles W. Peters of Minerva, Ohio.

Mr. Peters is an instructor in the Farmers Institute at the Ohio State University, Columbus, Ohio, and is always in demand throughout the Mid West for his knowledge of plant life and we feel very fortunate in being favored by his presence. So we extend to all Dahlia Enthusiasts within driving distance of East Liverpool a very special invitation to attend this meeting. And drop in on the first Thursday of some month at the Y. M. C. A. and Meet and Eat with some of the greatest Dahlia Bugs to be found anywhere.

For 1940 and succeeding Shows we have adopted an exclusive medal for the East Liverpool, Ohio, Dahlia Society, and we intend to reciprocate to those societies who so generously donated to us their medals in 1939.

Comstock's Quality True to Name

DAHLIA SEED

We have limited stock of Dahlia seed from Margaret E. Broomall, hand pollenized with Rita Wells, Burch Foraker, Cherokee Brave, and Kemp's Red Pilot.

Above seed \$1.50 per 20; \$7.50 per hundred.

The following named seed parents:

Bernice Geer	-	-	Mrs. Geo. Le Boutillier
Watchung Giant	-	-	Margrace
Vinwell Bridesmaid	-	-	Mrs. C. E. Wildon
Cordelia	-	-	Red Sunset
H. R. S.	-	-	Michigan White
Blue River	-	-	Stoplight
Red Salute	-	-	Dresden
Kemp's Red Pilot	-	-	Mad River Chief

Above named varieties and several more at \$1.00 per 20; \$5.00 per hundred.

Nothing but the finest was grown with these varieties such as: Mayor Frank Otis, Carl Dahl, Glamour, San Francisco, Emessee, Aurora, Premier's Majestic, Premier's Winsome, Mother Maytrott, California Idol, Lord of Autumn, Sunrays, and numerous other large varieties.

1940 INTRODUCTION

AZTEC CHIEF—Honor Roll Dahlia, Red F.D.

Roots \$10.00

Plants \$3.50

Send for Catalogue

COMSTOCK DAHLIA GARDENS

5140-35th St., San Diego, California, U. S. A.

3 "GREAT DAHLIAS" FOR 1940

BY CHARLES KILGORE

"Kilgore's Lucifer"

A huge incurved cactus on Dudley's Honor Roll. Color Brazil red or light carmine; reverse capucine orange on Van Dyke.

One of Satan's children but differs from its parent. Bushes 5½ high or better and well spread. Cane like stems support the huge bloom well. Dark green foliage. I believe this to be the largest incurved cactus to date, as I grew it 14 x 8 last season. A 11 x 6 bloom of this variety was runner up for the A. D. S. Bronze Medal. The "Supreme Award" of Old White Dahlia Show at the Greenbrier at White Sulphur Springs, West Virginia, last season.

Honor Roll states somebody's going to win "largest in the Show" with this one or we miss our guess.

Root stock scarce, \$10.00

Plants \$3.75

Kilgore's America Lee, I. D.

Formerly known as 3501. An admired Dahlia by all that visit my gardens. Color Begonia rose; center petals edged lemon. Closed center petals spinel red. Height 5½, spreads well. Foliage large, thick and tough. I especially like a steel blue cast that this Dahlia has late in the fall. Named for our daughter, America Lee.

Roots \$7.50

Plants \$2.50

Also a giant sport of Murphy's Masterpiece. Color autumn pink.

Roots \$7.50

Plants \$2.50

Descriptive list of this and others for the asking

KILGORE'S DAHLIA GARDENS

Winona

West Virginia



PAULHAMUS

I. D.—Color: Bright scarlet, with a blend of soft gold; gold reverse. Size: 11 inches by 7. Petals long and broad, curling back to the stem. Centers full and tight. Forward roll to petals showing gold reverse. Stems long and strong, holding the big blooms erect. Foliage dark and heavy. Bush 5½ feet tall and well branched. Won Seedling Sweepstake in 1937 and other first prizes. A large stock permits the low price of \$2.50 net.

Our 1940 Introductions

GLADYS COGSWELL (Smith-Franklin)

F.D.—From the originator of Bobbe Dean comes this fine cut flower of dark rosy pink. Size, 7 by 4 inches. Stem is perfectly stiff and long making a splendid Dahlia for bouquets and basket work. 5 foot bush. Good foliage and good bloomer.

\$5.00

FRANKLIN GARDENS FINE DAHLIAS

9030-1 East D

Tacoma Washington

PASADENA

This tall vigorous growing Dahlia holds its giant rose pink flower aloft on ideal stems. In this beauty is combined the substance and keeping qualities desired by the florist and the size and perfection of form that captivates the judges in the Shows. We believe it to be the queen of pink decoratives. It won six blue ribbons in two Shows. It also won the achievement medal for the best undisseminated seedling in the Show. It is also the Honor Roll of the Flower Grower, December issue. A large stock enables us to make the introductory price very modest: \$5.00.

Our Dahlia Seed has produced many good commercial cut flowers for us, and many of our patrons. We have received many gratifying reports from those who have bought our seed.

Large Dahlia Seed 100 for \$1.25

Miniature Seed 100 seed 50 cents

Cactus Seed 50 seed 50 cents

Pompons 50 seed 50 cents

Petite Seed is one variety we think everyone should grow. They are very new, little larger than a pompon, long stems. Very good cut flowers of all the lovely colors.

We have quite a lot of new introductions for 1940 in our new catalog.

Send for it

Petite Seed 100 seed \$1.00

MCDONALD DAHLIA FARMS

P. O. BOX 177

BELLFLOWER, CALIFORNIA

Introducing Winners

has been our good fortune during the 10 years we have been in business.

You won with Le Boutillier, Man O' War, Purple Mist, Josephine G, and Rudolf's Giant a few years ago (and they are still topnotchers). More recently you scored with Sunrays, Rita Wells, Straight's White, Preakness, Miss Santa Monica and Stephenson's Giant. **NOW WIN WITH**

VICTORY

J. W. Johnston says it is the BEST Formal to date. This is the long looked for pink—a golden pink—most exquisite. Blooms 11 by 7 inches. Fine stem and foliage. Excellent keeping qualities. Best Formal Decorative seedling in Chicago Show (1938) and New York, Camden, Rockville Centre (1939).

Roots, \$10.00 net Plants \$3.50 each 3 plants for \$10.00

DEEP PURPLE

The largest purple Formal in commerce. Blooms average 12-13 inches. One of the few large type Dahlias to receive a Certificate of Merit at Storrs Trial Ground and East Lansing this year. Blooms borne on stiff stems, erect with flowers facing sideways. Dark, leathery, insect resistant foliage.

Roots, \$10.00 net Plants \$3.50 each 3 plants for \$10.00

Vivid scarlet Incurved Cactus. Blooming from August to frost. The brightest spot in the garden. Excellent for arrangements and baskets. Stems hold flower erect. Good foliage. Scored 86 at East Lansing Trial Grounds.

Roots, \$10.00 Plants, \$3.50 each 3 plants for \$10.00

NANCY ANN MICHELL

PURP

Miniature Formal Decorative. A welcome addition to the limited purple color class in miniatures. Splendid for showing and for decoration. Blooms 2½ by 1½ inches with long stems to 10 inches. Profuse bloomer. Received Certificate at Storrs this year.

Roots, \$3.00 Plants, \$1.00 each 3 plants for \$2.50

PYRO

Collarette type. Flame red with buff gold petaloids. This attractive combination strikes a new note in collarettes. Winner in the open-to-all classes in New York and Rockville Centre (1939).

Roots, \$3.00 Plants, \$1.00 each 3 plants for \$2.50

CALIFORNIA'S FINEST DAHLIA SEED

Harvested from the largest growing exhibition Honor Roll Types

No small Dahlias are permitted to bloom during growing season

PRICES: 20 Seed for \$1.00 50 Seed for \$2.50 100 Seed for \$5.00 1000 Seed for \$40.00

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