

BULLETIN

of the

AMERICAN DAHLIA SOCIETY



Pleasing Arrangement of Seedling Miniatures

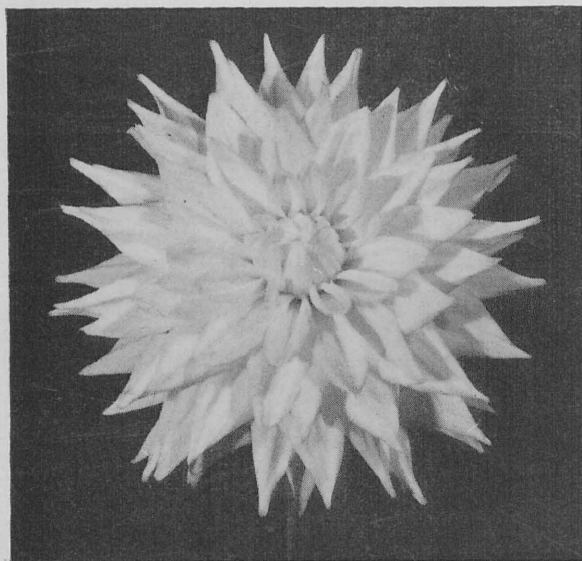
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Issue of May, 1938 Second Quarter

Issued Quarterly: February, May, August and November

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The A. D. S. BULLETIN

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Control of European Corn Borer in Dahlias

C. H. Batchelder—D. D. Questel

United States Department of Agriculture, Bureau of Entomology and Plant Quarantine

Some readers of the BULLETIN will encounter the European corn borer in their gardens for the first time during the season of 1938. Such a discovery need not lead to anxiety if the grower knows what the pest is and how Dahlias may be protected from injuries caused by it. The purpose of this report is to provide Dahlia enthusiasts with that kind of information, based upon extensive experimentation with infested Dahlias conducted at Berkley, Massachusetts, and New Haven, Connecticut, by the Bureau of Entomology and Plant Quarantine of the United States Department of Agriculture. Information obtained from these studies and made available here is concerned with what the corn borer is, where it comes from, how it gets into Dahlias, and what means may be undertaken to control it.*

Borers Commonly Found in Dahlias

Two species of borers are found in Dahlia stalks in the Eastern States. One of these is a native stalk borer, *Papaipema nebris nitela* (Guen.), which is characterized by chocolate-brown, interrupted, lateral stripes. It infests Dahlias in June and July and is rarely as numerous as the European corn borer, *Pyrausta nubilalis* (Hbn.). The latter is a grayish-pink caterpillar with a dark-brown head, and when fully grown is about one inch in length. It usually attacks Dahlias in August and September.

The corn borer is now (1938) widely distributed between Maine and Virginia and westward to Indiana,

*For further information about the European corn borer consult bulletins obtainable from the Director of Information, U. S. Department of Agriculture, Washington, D. C.

Michigan, and a part of Wisconsin. At least two strains of the insect are found in this territory. One of these strains lives through a single generation each year; it is more a pest of corn than of Dahlias, and predominates in the region of the Great Lakes, Pennsylvania, and western New York. Another strain, which is most commonly found along the Atlantic seaboard, lives through two or more generations each year and is a pest of both corn and Dahlias. It has been observed that when there are two generations each year, the first is most commonly found in corn while representatives of the second generation cause damage to both corn and Dahlias.

Where Borers Come From

The corn borer hibernates in the larval or caterpillar stage during the fall, winter, and early spring in old, dead stalks of Dahlias, corn, or weeds. In May it changes (through pupation) to a moth, which flies about at night and lays eggs upon corn and certain kinds of weeds. The larvae that hatch from these eggs live during June and July in corn or weeds, finally changing to moths again late in July or in August. Some of the moths originating at this time fly to Dahlia gardens and there deposit egg masses upon the under surfaces of leaves. These egg masses are about one-eighth of an inch across and consist of flattened, overlapping, whitish, disc like eggs.

How Borers Get Into Dahlias

Within a week the eggs hatch and the young caterpillars disperse over the Dahlia plant. When one of these tiny caterpillars crawls into the space between

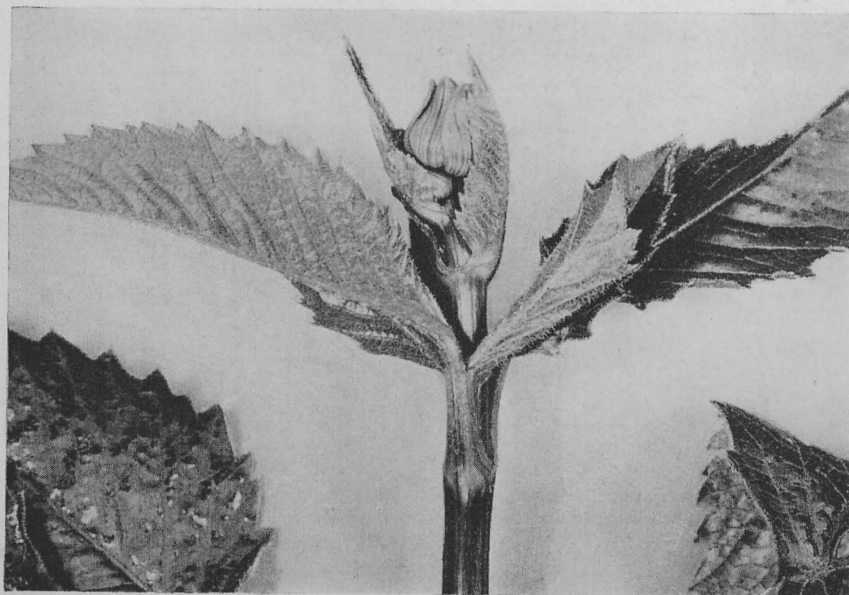


Figure 1. Newly-hatched corn borers enter and feed within the spaces formed at foliage and blossom buds.

closely appressed foliage at leaf and blossom buds, as shown by the bud in figure 1, it begins to feed upon the soft tissues of the as yet unexposed parts. Sheltered in these spaces it continues to excavate, eventually driving a tunnel into the bud. Infested blossom buds result in lopsided blooms similar to those shown in figures 2 and 3. When the larva enters a foliage bud, however, it continues its excavation into the branch on which the bud has developed.

It is important to note that the hatching of eggs and the initial infestation of axillary, foliage, and blossom buds usually take place during August, although the serious damage caused by the borer does not begin to make itself manifest until the caterpillar has reached a much larger size and has caused breakage of stems and branches. Unless Dahlia plants are carefully examined earlier, the infestation may not be discovered until September, when injuries become more apparent and it is too late to protect the plant from further damage.

How to Recognize Infestation by the European Corn Borer

The first indications of infestation are found when new foliage, axillary, and blossom buds begin to wilt. These turn black, and one may find at these points small masses of black frass which have been extruded by the excavating larvae. This condition, illustrated in figures 4 and 5, is followed by gradual wilting and withering of other leaves and buds on the affected branch, as shown in figure 6. If one examines the plant in the vicinity of the frass the borer will be found in a small, discolored cavity. At this stage in the development of the infestation the borer is from one-fourth to one-half of an inch in length and about ready to tunnel downward in the branch. Later (in September) a small hole may be found at the base of the affected branch, as shown in figure 7, from which sawdustlike material accumulates or drops to parts of the plants below. Internal excavations at these places weaken the branches and they break off, carrying with them the partly developed blossom buds or blooms.

Varieties Susceptible to Infestation

Examinations of many common types of Dahlias have not disclosed any variety that is immune to infestation by the European corn borer. While some varieties appear to be infested less than others, this is usually attributable to differences in plant growth-stage when corn borer eggs were being laid, or to differences of location in the garden; and what appears to be a relatively immune variety at one time may under other circumstances become heavily infested. It has been observed, however, that the most vigorously growing Dahlias are also most susceptible to infestation. A Dahlia plant that is well cultivated, and has been heavily fertilized, grows rapidly and produces a large number of new buds and therefore it provides a maximum number of places in which the tiny caterpillars may find shelter and food. Since the more highly prized Dahlias are usually grown in the best soil and are given the most careful culture they often become the most heavily infested plants in the garden.

Dahlia growers have reported considerable variation from year to year in the intensity of the infestation in

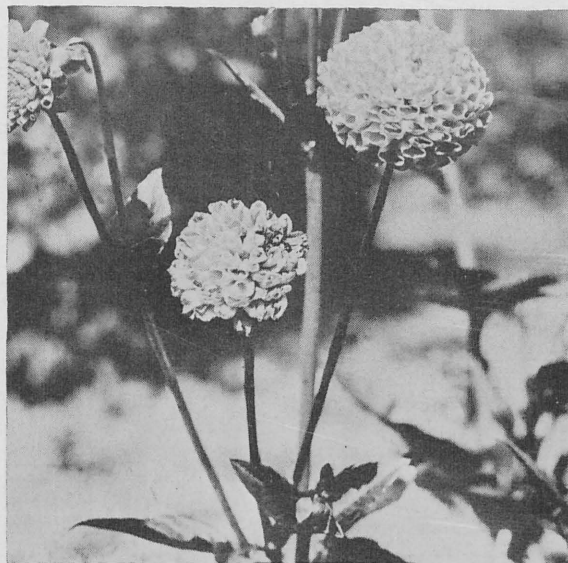


Figure 2. A lop-sided bloom (left) and an infested flower at right.

their plants as well as in the varieties most heavily infested, and some gardens appear to escape serious injuries. In general, the occurrence of corn borer infestation appears to depend as much upon the rate of growth as upon the growth-habit of the variety. The intensity of the infestation that may develop in a garden is unpredictable, but the safe procedure is to start applying insecticides as soon as corn borer eggs begin to hatch and certainly when signs of frass or of wilting begin to appear.

Methods of Protecting Dahlias From Infestation

An understanding of how borers get into Dahlias suggests several methods that may be adopted for keeping them out. One naturally considers first the effect of pruning and disbudding upon the occurrence of infestation. When buds, shoots, or branches show signs of infestation they may be opened with a knife and the borer removed, otherwise they should be pruned off in order to protect the remainder of the plant. In gardens that have been very lightly infested this practice has sometimes proved sufficient, although the corn borer does not usually select the buds that would be pruned normally. When heavier infestation prevails disbudding fails to protect the remaining blooms.

Choice varieties are sometimes grown under tents constructed of tobacco shade-cloth, and this practice has been found greatly to reduce the infestation. It does not insure plants that are entirely free from borers, however, since small larvae, hatching on nearby plants or from eggs laid upon the screen, penetrate it and drop or crawl to the plants within the enclosure.

The Bureau of Entomology and Plant Quarantine has found several types of insecticides effective for controlling the corn borer in Dahlias, and tests by both amateur

(Continued on following page)



Figure 3. "Jane Cowl v. Borer". Note shriveled petals, stunting and black frass at base of flower.

European Corn Borer Control—*Cont. from page 5*

and commercial growers have shown that protection can be secured if certain materials are applied at the right time.

Important Requirements of Corn Borer Control

The effective use of insecticides in the treatment of Dahlias is dependent upon careful observance of several details of the procedure. While the details of insecticide mixing and application are much the same as are required for the treatment of other pests, the time of application and the places in which the poisons are effective are determined by the habits of the corn borer. The most important points to be considered in the control of the corn borer on Dahlias are discussed in the lettered paragraphs that follow.

a. Knowing where the borer is.

In previous paragraphs the reader has been shown how Dahlias plants become infested and where the corn borer feeds during the early stages of its development. It should be noted particularly that the young caterpillar enters spaces in the vicinity of foliage and blossom buds, and in such secluded places feeds upon the surface of these parts before it becomes a borer. During this period of external feeding the young caterpillar may be killed by insecticides applied to these areas. Several types of insecticides have been found useful when applied for this purpose, and they should be applied, if possible, in advance of the arrival of the young caterpillar at the foliage or blossom buds.

b. Scheduling the insecticide applications.

Owing to the rapid growth of the plants, the dilution of insecticidal materials by rainfall, and the continuous hatching of corn borer eggs, applications should be repeated at 5-day intervals. Hatching usually begins in localities of southern New England during the first week of August and continues into the first week of Septem-

ber. Thus five or six applications are necessary to protect the plants. The first insecticide application should be made when corn borer egg masses begin to hatch, and certainly when signs of wilting begin to appear. For example, if hatching first occurs in a Dahlia garden on August 5th, the succeeding applications should be scheduled for August 10th, 15th, 20th, 25th and 30th, unless interrupted by rains.

Rainfall sometimes interferes seriously with the operation of a treatment schedule. The insecticides may be diluted or washed from the plants, and although light showers may serve to redistribute them and increase their effectiveness, heavier rainfall may destroy their value. After heavy rains the plants should be resprayed and the treatment schedule dated anew. Failure to detect the first hatching may result in retarding the schedule of applications and thus permit many of the larvae to reach locations in which they are protected from insecticidal agents.

The most practical schedule can be established through the coöperation of local and State agricultural agencies.

c. Parts of the Dahlia to be treated.

Insecticidal sprays should be directed to those parts of the plant in which infestation is first established, that is, the growing foliage, axillary, and blossom buds, and these should be covered thoroughly with insecticide. If these areas are made the targets at which sprays are directed, the remainder of the plant will usually also receive sufficient treatment.

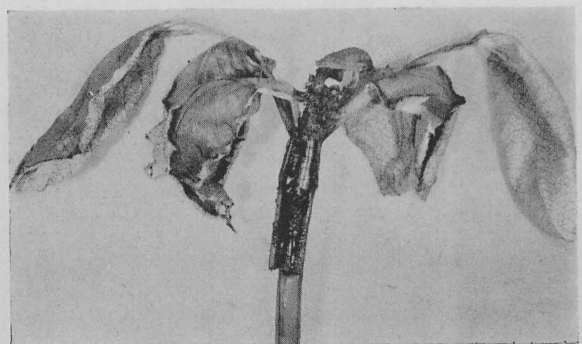
d. Equipment for applying spray or dust.

For spraying Dahlias in gardens of 500 or more plants the most satisfactory equipment is a wheelbarrow-type sprayer with about 15 feet of hose. The hose should terminate in a 30-inch brass extension pipe provided at the tip end with a nozzle and at its base with a lever-operated valve for controlling the spray. This rigid extension pipe facilitates directing the spray at the proper parts of the plant. In small gardens compressed-air sprayers of the portable, 3-gallon size have been found quite satisfactory.

When insecticides are applied in dry powder form (dual-fixed nicotine) with hand-operated dusters, the insecticide may be directed by means of the extension tube that is a standard part of most dusters.

e. Improving the spreading capacity of insecticides.

Figure 6. Late stage infestation. Note half-grown borer. Flower buds destroyed.



Insecticides will penetrate better into the protected places inhabited by young borers if certain chemicals known as spreading agents are added. Such spreaders must be measured carefully in order to avoid both excessive "run-off" of the spray and serious injury to the plants. They should be thoroughly mixed in the spray water before the insecticides are added. When employed in the proportions indicated they are useful and do not cause injuries to Dahlias.

Ammonium sulpho soap or sodium sulpho soap spreaders in dry form should be diluted at the rate of 1 part of spreader to 1,600 parts, by weight, of spray water. When mixing spray in 50-gallon lots, 4 ounces of this type of spreader should be used.

Spreaders composed essentially of sulphated alcohols, such as sodium lauryl sulphate in a dry powder form, and sulphonated alkylated diphenyl products (dry powder) should be used at the rate of 3 ounces (avoir-du-poids) per 50 gallons of spray.

Because of the danger of injuring Dahlias by improper quantities of spreaders, only the exact quantities mentioned should be used. The difficulty of measuring small quantities in the field makes it inadvisable to include the spreader in such small quantities as 5-gallon lots.

Insecticidal Sprays

Three types of insecticidal sprays have been found useful in controlling the European corn borer on Dahlias. The proportions and methods used in preparing them are as follows:

Figure 4. Signs of infestation in a terminal bud; stunting, wilting and black frass.

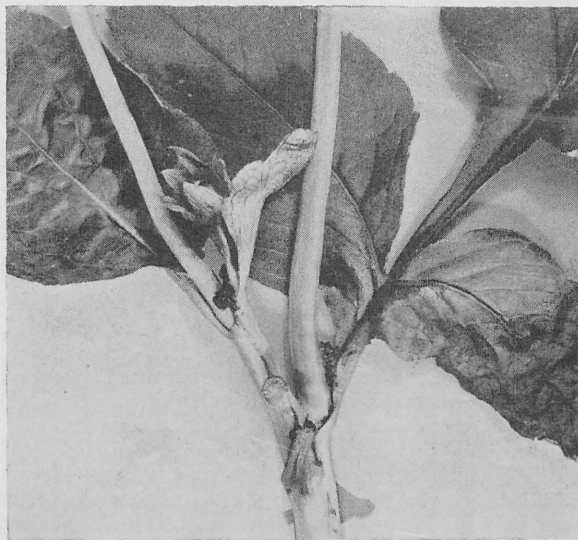
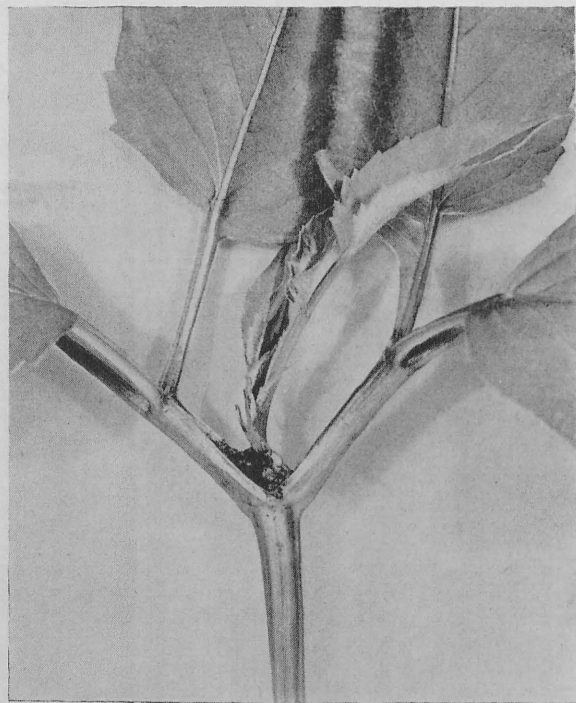


Figure 5. Borer entrance points: at left, borer entered through a flower bud; at right, through foliage bud. Note shriveled leaf.

Nicotine tannate spray. This material is prepared by combining dilute solutions of free nicotine (50 percent nicotine) and Chinese gallo-tannin (40 percent tannin). These materials should be measured accurately, since an excess of any constituent will not increase the effectiveness of the spray. The utensils employed should be clean and free from residue likely to make the water hard or strongly alkaline. The following method of procedure in the preparation of nicotine tannate results in a stable mixture when the spray water employed is not from a hard-water source.

For making up 50 gallons of spray:

Solution A (45 gallons): (1) Dissolve the required quantity of spreader in 45 gallons of water, (2) dissolve 24 fluid ounces of Chinese gallo-tannin (liquid) in 2 gallons of this water, (3) pour (2) into (1) and stir vigorously.

Solution B (5 gallons): (1) in 5 gallons of clean water, (2) pour 8 fluid ounces of 50 percent free nicotine, and stir until it is dispersed in the water.

Combining solutions A and B: (1) Pour solution B slowly into Solution A and (2) stir the mixture vigorously.

For making a 5-gallon lot, proceed in the same manner. The equivalent quantities of materials (using a measuring spoon) are: $4\frac{1}{2}$ tablespoonfuls of liquid tannin and $1\frac{1}{2}$ tablespoonfuls of free nicotine (50 percent nicotine).

Derris spray. Ground root of derris in powder form, containing 4 per cent of rotenone, may be used as a mixture in spray water to which has been added a spreader as described above. For 50 gallons of spray, 2 pounds of ground derris-root powder are stirred in a bucket with a small quantity of spray water until the powder is thoroughly wetted and is in the form of a

(Continued on page 22)

Fifty Dahlias That I Would Grow in My Garden

By Conrad Frey

This selection has been made of varieties which are of outstanding merit and are all varieties with which I am acquainted. There are no doubt considerable other varieties which would measure up, but as I have had no experience with them, I would not venture to express an opinion regarding them. In reviewing, I will endeavor to point out the special characteristics of each variety.

Jane Cowl. Although one of the very old varieties, it is still outstanding and when grown properly will be hard to beat. It won at the American Dahlia Society Fall Show of 1937 as the best Dahlia of the New Jersey origin. It is an easy flower to grow—likes considerable nourishment and is quite insect resistant.

Kathleen Norris. Still the outstanding pink in the informal decorative. It has its peculiarities but is worth taking a chance on. If grown properly under good cultivation, it can become the largest flower in the Show. It was a runner-up at the American Dahlia Society Show for the best New Jersey origin, the choice resting between *Kathleen Norris* and *Jane Cowl* which would get the honors.

Lord of Autumn. One of the outstanding informal decoratives in the yellow class. This flower is also a little temperamental, but one very desirable to grow if you are fortunate enough to bring it through. It is a flower that attracts considerable attention due to its mammoth size—both width as well as depth. This is another Dahlia that can be exhibited for the largest and most perfect flower of the Show.

Mrs. George Le Boutillier. This is one of the outstanding red informal decoratives of the day. Consider this on par with *Murphy's Masterpiece* when grown correctly. It has plenty of vigor and is resistant to insects. It is a robust grower and holds its flower on a rigid stem. It was awarded the best flower at the Peekskill Dahlia Society Show last fall, measuring 14 by 7 inches.

Murphy's Masterpiece. The first and best of the monster reds which up to the present time is still tops. It is easily grown to a tremendous size, has exceptional depth with a good rich color and does not require the cultivation necessary to other varieties to get its unusual size. It has won more often than any other variety for the largest and best bloom in the Show.

Sanhican's Cameo. This Dahlia is outstanding because of its beautiful color—coral rose shaded mallow pink on reverse with a golden sheen on face of petals, glowing beautifully under artificial light. The bush is sturdy, has good stems and holds the bloom erect. Due to its odd color, it is very attractive for formal decorative. If not familiar with this variety, it is well worth trying, a Dahlia that scores at least 85.

Sultan of Hillcrest. A plant which is a strong grower

and produces huge blooms of lemon yellow with a rosy pink reverse, making a very unusual color effect. Grows on strong stems, up to eleven or twelve inches by at least six inches in depth. It has one bad characteristic. At times it is apt to have a deformed center but a Dahlia well worth growing.

Amelia Earhart. Still one of the outstanding semi-cactus Dahlias of an apricot buff with salmon tints shading to a soft yellow at base of petals. It is an improvement on *Edna Ferber*, larger in size, better form and stem. It has more winnings to its credit in the semi-cactus in the east than any other semi-cactus.

Bette Davis. Semi-cactus. A strong vigorous bush carrying deep violet rose bloom. Although not a large flower, if grown properly can attain the size of about nine or ten inches by about six inches in depth. Has won for the best semi-cactus in the Show.

Golden Standard. Incurved cactus. A warm buff shaded amber and gold. Very pleasing in form with full centers and evenly arranged petals. At times it is inclined to revert to the straight cactus type, but in spite of this is still one of the best in its class. A seedling of *Jane Cowl*, it seems to have all the characteristics of the former and is at its best in cool weather.

Satan. The first giant red semi-cactus to come into existence with its yellow reverse of petals showing at the center as it unfolds. Stems are very long, a little rubbery and will require support while growing until the stems begin to harden. Otherwise the heavy bloom is apt to hang. The color is not of the brightest red and will have a tendency to fade out and appear dirty.

American Triumph. Incurved cactus. Color of an oriental or bright clear red. Blooms with high centers held erect on straight stems. Petals are decidedly incurved when flower is fully developed. A good garden and exhibition flower as it is an exceptionally good keeper and probably the most outstanding red incurved cactus in existence today. It has one bad feature—it requires a lot of spraying as it is susceptible to thrip and leaf-hopper injury, but a wonderful Dahlia.

Rudolf's Giant. The flower, in addition to having size, has depth and the centers are tight and compact. It is a live buff with an apricot and pink suffusion which gives a glowing effect. It holds full centers throughout the season and attains size up to 12 inches and to 7 inches in depth. It is a low bush but a vigorous grower.

Margrace. One of the outstanding borderline Dahlias from informal decorative to semi-cactus due to its size and brilliant coloring. Of a bright cardinal with a tan reverse. Petals curl and twist, showing their reverse on excellent stems. It has good size on a healthy plant.

Watchung Giant. A Dahlia of the largest bloom class, color a deep amber yellow with a suffusion of orange

cadmium. This is one of the best 1937 introductions, and has been shown very successfully in the past season for the largest and best flower in the Show, with blooms measuring 13 by 7 inches and held erect on good stiff stems. A Dahlia of very good form that should not be overlooked.

Azure. Of lilac with a bluish violet sheen, it is one of the largest informal decorative flowers, having good form as well as depth. A tremendous rugged bush blooming very late. A Dahlia which should be planted early in order to get any real satisfaction from it. This plant is also insect resistant.

Dean Anderson. A coppery-fuschia colored flower on a well grown bush which reaches six or seven feet. Has rather pleasing foliage with good stems. Not a large flower but of unusual color and should be of interest to those who are seeking something different.

American Purity. A 1937 introduction which has become a favorite to those looking for a white semi-cactus. It is a fine, large, deep white on erect stems. Its substance and keeping qualities make it ideal as an exhibition Dahlia. Has clean foliage and can be shown as the best semi-cactus flower or for that matter, in the Show.

Miss Glory. A fine outstanding yellow semi-cactus. Deep yellow in color, with sturdy stems, it is a good exhibition flower. The petals are all considerably incurved. It was considered one of the finest Dahlias at Storrs Trial Ground in 1935. A flower that one will not go wrong on.

Greater Glory. Semi-cactus. This is an outstanding pink which was introduced in 1937 and has several wins to its credit. It is more semi-cactus than cactus but as it develops many of the petals curl and twist and it is apt to develop to the borderline. In color it is a deep rose pink, but occasionally a bloom will show some deep cream in center. The bush is vigorous and grows up to seven or eight feet. It is one of the most unusual Dahlias ever originated and has enormous size and very long straight stems. It has considerable wins to its credit.

Opal. Informal decorative. 1937 introduction which has responded very favorably. It is of dainty pastel shade, a beautiful combination of soft salmon rose with shadings of lemon yellow in the centers. It has long broad wavy petals which twist and curl in a very pleasing and unique manner. Stems are strong and erect and hold the flowers well out of the foliage, which is dark and glossy, adding to the delicate coloring of the blooms. A good keeper and has scored at the Trial Grounds.

Robert Ripley. This Dahlia, without a question, is one of the largest varieties grown. The color is a soft Rhodamine purple with deep pink suffusion throughout. The stems are straight and strong, and the flowers have good substance and keeping qualities. An unusual quality of this Dahlia is that the flower may be cut when half open and it will develop to mammoth size in water. This is also one that can be used for the largest and best flower in the Show.

Son of Satan. An improvement over its parent, *Satan*, it has a deeper color of red, a stronger stem, and does not have the golden reverse of the former. Grows on a robust plant and is a perfect semi-cactus. When grown properly will beat *Satan* on the exhibition table.



HUNT'S VELVET WONDER. This specimen grown by H. W. Mason of Atlanta, Georgia, is said to have measured 17 inches across, in the presence of witnesses.

California Idol. A clear lemon yellow that is comparable to *Lord of Autumn*, not as informal but producing blooms usually facing upward. It is very deep, high centers and beautiful metallic lustre and good form are special features. Stems are strong but a little long out of the foliage. Believe it has the greatest depth of any Dahlia in existence in proportion to its tremendous size.

Frank Serpa. A pale lavender rose to cream, the edges tipped with deep lavender rose. Most attractive due to its color. Has good bush growth with fine stems. A Dahlia worth growing.

Hunt's Velvet Wonder. A Home Achievement Medal winner in New York in 1935. A huge bloom with great depth and full centers. Flowers of deep rosy magenta blending into a true purple. A rugged bush and insect resistant, with large, dark foliage. This flower has one bad quality. In order to get proper length of stem, it is necessary to disbud and let the side lateral bud form to obtain distance from the bush. A real giant that can be grown to 13 or 14 inches by 7 inches.

Milton Cross. This variety won the Achievement Medal in 1935 at the American Dahlia Society Show in New York, and has won more than its share of prizes since that time wherever shown. The blooms are exceptionally large with great depth, the petals reflexing to the stem and almost making it a wall. It has a width of at least 12 inches, grows well on a strong tall bush. The flower has an exceptionally high perfect center. It has one bad feature—the stems seem to become a trifle brittle and to insure against losing the flower, it is well to give support to the stems during the time of growing, prior to exhibition.

Phantom. An outstanding bi-colored formal decorative with long broad petals of deep violet purple with a distinct white tip. One of the few good bi-colors which seem to come true to form on good stems and a vigorous bush. A Dahlia that should score high.

Pride of America. A yellow semi-cactus which has been overlooked by most of the growers. It is a clear

(Continued on following page)

primrose yellow with a tinge of pink on the reverse petal. Stems are strong, not clumsy, with medium dark healthy foliage. This flower is very large and full due to the many petals in the flower. When this variety is more widely grown it will become one of the outstanding semi-cactus.

Red Jug. A remarkable brilliant crimson carmine with faint yellow tips. One of the outstanding semi-cactus introduced in 1936, which has wonderful keeping qualities. In form it comes close to being a true cactus at times. Held erect on good stems, it has a dark foliage and is insect resistant. It has been a consistent winner at the Shows in the past two years.

Miss Ohio. Incurved cactus. Not of the largest type, but of medium size, it is one of the best, if not the best, incurved cactus introduced in 1937. The blooms are very uniform full and complete, in color a lilac suffused deep rose pink. Stems are long and erect, fine for cutting. Dark and healthy foliage. Scored at Storrs. The foliage, plant and stem are in proportion to the size of the flower, something unusual in most Dahlias.

Ballego's Surprise. Semi-cactus. Truly a white *Frau O. Bracht* but easier to grow. It keeps unusually well when cut and in the exhibition room. The flower is larger and better than *Frau O. Bracht*. It has good depth and is held erect on strong stems with bush growth desirable to a white flower. It is one of the outstanding semi-cactus flowers today and one of the best foreign cactus imported up to date.

Television. Semi-cactus to an informal. This borderline Dahlia won the Achievement Medal at Cleveland in 1936, also scoring 85 at Storrs. It is a very large bloom on a bush growing about five to six feet. The color is apricot suffused and shaded cardinal, giving it a general reddish apricot, pleasing in color and form. The bloom is held on strong stems out of the dark leathery insect resistant foliage.

Myra Howard. Informal decorative. A glowing combination of yellow cadmium gold with tints of salmon, the entire effect being ochreous salmon. Throughout the deep flower are petaloids which give it distinction. A wonderful plant and a thrifty grower, producing giant blooms freely on long stems. It is a Dahlia that will grow anywhere.

Eva Hunt. A white informal decorative. Waxy, wide, heavy petals with a texture like that of a lily. Centers are full and high. Unusual dark green foliage on a white Dahlia a striking feature. This plant is a good grower but rather shy of blooming. Insect resistant.

American Legion. One of the monster yellow informal decoratives which has won about as many prizes for the best and largest bloom in the Show as any variety known. It is a clear light lemon yellow, with a flower that reminds one of *Aztec Glory*, but it has better centers and longer stems and much larger flowers. It seems to do especially well in through Ohio along the northern lakes. This Dahlia requires special growing conditions. It is very susceptible to the thrip and leaf-hopper, but when properly sprayed and grown under shade, it can be grown to the outstanding Dahlia of the day, regardless of it being an older variety.

Kemp's Violet Wonder. Due to its bright violet purple with faint bluish violet at the tips of the petals, this old variety still stands out in this color class. It

can be grown to a large flower, has good stiff stems well above the foliage. Has good keeping qualities as well as clean healthy foliage and is considered one of the best in this shade.

Freda George. A Dahlia of outstanding performance, in color variegated artistic shades consisting of a delightful soft cream pink with a helio which deepens towards the edges to a rich creamy base at petals. A wonderfully attractive flower, of exceptionally large and well built character, with high centers, on long stems which hold the flowers perfectly. An exhibition variety which has been overlooked the past three years and at last come into its own. It is an informal decorative.

Royal Purchase. Incurved cactus. The color is a deep straw yellow with outer petals suffused with pink. The bloom is of large size and has great depth. Grows on long stems but if fed a little too much nitrogen the stems become pendant.

Margaret E. Broomall. Although this is a patented Dahlia, it is the outstanding white large Dahlia in existence today. This flower has been grown to 14 inches in diameter on good strong stems and dark foliage. This Dahlia has been very temperamental in the past but the growers at this time have rogued it strong enough so that they get good blooms consistently. If it were not for the patent, believe that this flower would become very popular.

Ambassador. Still one of the most popular straight cactus in the Show room. Clear soft yellow buff shaded salmon pink, well formed flower held erect above foliage. Bushes branch readily and produce fine exhibition blooms. This plant requires considerable spraying in order to keep it healthy.

Jersey's Dainty. A white straight cactus Dahlia that not only wins on the exhibition table but is a good cut flower. It truly has a dainty color, white faintly tinged lavender, almost pure white in the late season. A prolific producer of blooms with long straight stems and dark healthy foliage. This has been a consistent winner in the white straight cactus class.

Jersey's Beauty. Probably still the most popular cut flower variety ever grown, an ideal flower for exhibition. One of the most perfect formed flowers on long stems with its exceptional coloring and keeping qualities. When grown properly, is one of the hardest Dahlias to beat in the Show room.

Jersey's White Beauty. The nearest in white to *Jersey Beauty*. It has wonderful keeping qualities on fine stems quite similar in form to *Jersey Beauty*, and the best white cut flower in the New York market.

Mother Maytrott. A white informal decorative with no temperamental habits. A good grower with dark healthy foliage, strong erect stems, holding the flower out of the foliage. Blooms are uniformly large with great depth—11 by 6 to 7 inches. Blooms consistently and has been a perpetual winner during the last season Shows.

Director Carl G. Dahl. A tremendous informal decorative in size, of rather loose or open formation. The pointed petals curl slightly. Color: apricot buff shaded to old rose on reverse of petals. Saw this plant growing under a cloth house and did very well, producing large blooms. Due to the looseness of the petals the flower appears much larger than it is. It won the award for

Answering Some Queries About Branch Membership

By LYNN B. DUDLEY, *President*

We wish to make it very clear that the A. D. S. wants to build towards a nationwide Dahlia Group of Societies—not to get all societies tied to its apron strings.

If you could read the new A. D. S. By-Laws (and we realize that few people take the trouble to read the dry old things) you would discover that they are designed to lend the American Dahlia name to any society which wants to join with us for the greater advancement of Dahlia knowledge and culture.

One president of a State Society wrote me and said I am in favor of joining *with* the A. D. S. but some of our members think we would lose our identity.

Those new By-laws, (if he had read them) would have shown that we do nothing to the present organization of any society which joins as A. D. S. Branch, except give it an opportunity to take part in our society projects to broaden the whole Dahlia setup.

The Branch Society which affiliates itself with the A. D. S.—is any Dahlia group which would like to give its members the opportunity of joining the A. D. S. as Participating members. As such, after the joining, each participating member has a vote in the affairs of the A. D. S. as well as the Branch Society. He or she, receives the A. D. S. BULLETIN for the period of membership. It includes admission into the A. D. S. Show and privilege to exhibit there. These with other advantages cost the Branch Society member \$1.00 per year—and we have given this privilege of joining the A. D. S. to Branch Society at one-half what we pay ourselves as active members.

And to make it easier for other societies to take this "bargain" membership we will accept as low as twenty-five members of the society as a joining unit. The only reason this was set at this minimum is because of the sincere belief that the Participating-Membership in A. D. S. of each Branch Society Member at \$1.00 will prove of such value, that it will be the means of securing larger local membership.

The BULLETIN alone given for this membership costs the A. D. S. more than the \$1.00. But we feel that on some group should fall the task of knitting all Dahlia groups together for the common good. There are many problems and tasks, which when solved have benefited every Dahlia society everywhere.

The A. D. S. has led in solving them. Such matters as pest quarantine contacts at Washington; Standard nomenclatures and classifications; standard scoring; color classes for exhibitions; keeping variety lists. All such matters take time contributed by someone—someone with altruism in his heart and the Dahlia on his mind.

The A. D. S. wants other societies to share in the responsibilities and take equal joy in mastering them. The only way we think it can be done is to get a great group of Branches together under one roof, figuratively speaking—all working for a common aim—better Dahlias.

But if your Society wants to shoulder part of the work—and there is plenty to be done—or if it just wants to sit on the side lines and know what others are doing then here's a way open—the A. D. S. Branch Plan.

If you have at least twenty-five earnest souls in your society who want to clamber up on the juggernaut of progress and keep step with Dahlia knowledge and experiments—then write me and say now that you understand this whole matter, "you folks" want to join "us folks."

If later you can think up a good reason why we should change the name of A. D. S. to the name of your society, we will sit down and discuss it and if you prove your case, then we'll change to your name. Only—you'll have to be a member of the family before you can argue family matters.

The name don't mean much, except what it has come to stand for, through the years. The real thing which counts is, can we get together on a common ground. The A. D. S. is not asking much of you or your society except to have the desire to get together. The dollar—the twenty-five—the fifty dollars isn't the price of your joining us. Not at all. We are going to give you \$2.50 and more worth for every one of those dollars. The bargain is a lure to get one big group together with *you* in it.

No society loses its identity—in the joining—but gains a voice in the A. D. S. while retaining all that the local society offers plus—a hand in shaping the course of the Dahlia ship of state. You can't lose—but you can work harder, learn more, sleep less—and meet a lot of people—a few of whom you should know, you know.

the best bloom in one of the sections of the American Dahlia Society Show in 1937 and the popular vote at the New York Botanical Gardens in 1936.

Angelo Rossi. An informal decorative of enormous size of old gold suffused salmon pink on long stems on sturdy plants. This is still one of the outstanding of the old varieties and is a consistent winner plus its good color.

Mrs. Herbert O'Connor. Straight cactus which has exceptional qualities for a cactus. Slender, yet erect stems, blooms of exceptional size. An unusual bright rose pink shading to a rose pink at center. This Dahlia being a

border line Dahlia at times it comes incurved. This is a spectacular Dahlia.

Lady Moyra Ponsonby. Informal decorative. A huge flower of citron yellow with a good strong stem, sturdy plant and a very outstanding flower which is considered one of the best today. It has serrated petals.

Kardinaal Van Rossum. A borderline Dahlia from informal decorative to semi-cactus. A beautiful bloom of unique coloring—violet to purple. Very attractive on good long stems. Has good habits and an easy grower. When this flower is better known it will become very popular. One of the good imported varieties.

LEONARD BARRON DIED APRIL 9, 1938



—Photo courtesy of The Flower Grower

Death has again taken toll from the members of our Executive Board. Leonard Barron died on April 9th, of pneumonia, following a short illness. He was a charter member of our Society and was elected a member of our first Executive Committee. We believe that he acted as a judge at every annual exhibition held in New York by our Society. He always took a deep interest in the Society and has served as a trustee for the past two years.

He was not only a Dahlia enthusiast but was very active in many other horticultural organizations, being a past president of both the American Rose and Delphinium Societies. He was one of the incorporators of the Horticultural Society of New York in which he always took a deep interest. At the annual banquet of the New York International Flower Show Committee he was presented with the Horticultural Society of New York Achievement Medal in recognition of the many years of service he had rendered that Society and horticulture in general.

Mr. Barron had an early beginning in horticulture as he was actually born at the Royal Horticultural Society's garden at Cheswick, London, where his father was superintendent for many years. Not only his father but

grandfather and great grandfather were gardeners. He had the advantage of a liberal education, specializing in botany, chemistry, biology and physiology.

In his early days he was connected with various horticultural publications in Great Britain and America. For many years he was editor of *Garden Magazine*, later *The American Home*, his writings being familiar to all students of horticulture. For the past eighteen months he has been editor of *The Flower Grower*, a well known garden magazine published at Albany, N. Y.

His latest contribution to Dahlias being the editing of the book *Modern Dahlias*, written by J. Louis Roberts. He worked very closely with the late Derrill Hart when he was preparing his Honor Rolls and upon Mr. Hart's death continued this work, his selections being published both in *The American Home* and *The Flower Grower*.

We of the Executive Board will sadly miss Leonard Barron. His disposition was ever cheery and he was well liked by all who knew him. His wide horticultural experience made his advice particularly valuable and his opinions were eagerly sought for in carrying on the work of the Society. He was in his 70th year and is survived by his widow, one son and one daughter to whom we extend our sincere sympathy.

Further Notes on Dahlia Feeding and Forcing

Having received many letters asking for information about DAHLIA FEEDING AND FORCING with reference to the American Dahlia Society's Test and Special Fertilized Field at Connecticut State College, I would like to make a few remarks that may help some growers:

No. 1: In growing Dahlia Roots to be used for stock the following year, I use a small handful of 4-8-4 potato fertilizer to each plant at planting time only. The results have been excellent with me.

No. 2: As to the formula given in the February issue of the A. D. S. BULLETIN, the one used at Connecticut State College Test and Special Fertilized Field—my experience with this formula has been that some of the hardier varieties of Dahlia roots will carry over the winter with varying degrees of growing success the following season—*Not recommended for stock*.

No. 3: Tankage fertilizer has also proven to be bad for keeping qualities of Dahlia roots with me.

No. 4: Personally, I believe any method of growing large Dahlia blooms is against the best quality of stock for the following season. Good stock is the most important single thing in growing good Dahlias.

E. E. Tooker.

President Dudley Announces A. D. S. Committees for 1938

The following committees were announced by President Dudley at the executive meeting January 22nd.

Executive Committee: The five members of this committee, which are appointed by the President, remain the same as in 1937; Miss Virginia Stout, Ed. J. O'Keefe, R. W. Webb, E. E. Tooker, W. L. W. Darnell.

Nomenclature Committee: Dr. C. H. Connors, Chairman; Warren Maytrott, Prof. Roland H. Patch, Prof. C. E. Wildon, William H. Waite.

Trial and Test Garden Committee, Storrs: George Fraser, Chairman; Prof. R. H. Patch, Prof. C. E. Wildon, Raymond Allen, Nick Koenig, William Noonan, E. E. Tooker, Dr. Bruce Preas, C. Louis Alling, William B. Sweeney, Conrad Frey, Warren Maytrott, Barton Elliott, C. R. Barnard, A. H. Emmons, Jacob Groll, George Burkhart, E. J. Heitzman, Raymond Moffett, O. W. Mills, George Richardson, Edward Salbach.

Judges, Storrs: George Fraser, William B. Sweeney, E. E. Tooker, Ed. B. Lloyd, Dr. Bruce Preas, Ed. J. O'Keefe, Conrad Frey, Warren Maytrott, Gordon Waaser, William H. Waite, Ed. Badetty, Louis B. Tim, Lynn B. Dudley, alternate.

Finance Committee: H. Dewey Mohr, Chairman; Conrad Frey, Gordon Waaser, Thomas Leavitt.

Bulletin Committee: Lynn B. Dudley, Gordon Waaser, C. Louis Alling, Oliver Shurtleff, Mrs. Georgena Humble, G. A. Richardson.

Publicity Committee: Fred J. Knocke, Chairman; A. Swoboda, Ed. J. O'Keefe, R. W. Webb, Mrs. Charles H. Jeckel, Mt. Vernon, Mrs. William G. Wheeler, Brooklyn, Mrs. Georgena Humble, Ed. Lloyd.

Affiliations and Branches: Mrs. Frieda Fisher, Conrad Frey, Gordon Waaser, C. Louis Alling, Warren Maytrott.

Show Committee: Edward B. Lloyd, Chairman; Edward B. O'Keefe, Vice-Chairman; John Vincent, White Marsh, Maryland; James Kennedy; Anthony Pietruskiewicz; Mrs. Sarah Wood, Westport, Connecticut; R. E. Vogel, Poughkeepsie, N. Y.; W. J. Etherington, 125 Lexington Avenue, Westwood, N. J.; R. W. Webb; Edward Badetty, Huntington, L. I., N. Y.; Henry Mehlig, 780 Targre Street, Concord, S. I., N. Y.; Edward M. Keck, White Haven, Pennsylvania; James Brocklebank, 494 East 29th Street, Paterson, N. J.; John Feisler, 35 Courtland Street, New York City; A. Swoboda; William H. Nuneviller, 236 Grant Street, Salem, N. J.; J. A. Greuble, R. D. No. 1, Derry, Pennsylvania; Stanley Johnson, 406 Franklin Avenue, Cheltenham, Pennsylvania; Albert Parrella, 3380 Ely Avenue, Bronx, N. Y.; Fred J. Knocke; Fred Thomas, Torrington, Connecticut; Samuel Travis, Oscawana, N. Y.; Mrs. George Green, Kensington, Connecticut; Avery Nesbit, Monroe Place, Lynbrook, L. I., N. Y.; L. L. Pollack, 541 Devon Street, Arlington, N. J.

Show Manager: Edward B. Lloyd, Chairman; Edward J. O'Keefe, R. W. Webb.

Show Garden Club Committee: Mrs. Georgena Humble, 232 Ridge Road, Douglaston, L. I., N. Y.; Chairman; Mrs. Roy Lincoln, Port Washington, L. I.; Miss Oliva J. Norris, Douglaston, L. I.; Mrs. Grace M. Coyle, Douglaston, L. I.; Mrs. A. N. Moeler, Bellrose, L. I.; Mrs. Francis Falkenbury, Hartsdale, N. Y.; Mrs. Charles H. Jeckel, Mt. Vernon, N. Y.; Mrs. C. P. Dodge, Lake Mahopac, N. Y.; Mrs. J. C. Fisher, Lake Mahopac, N. Y.; Mrs. W. S. Winant, Princess Bay, S. I., N. Y.; Mrs. W. H. Pott, Rosebank, S. I., N. Y.; Mrs. David George, South Orange, N. J.; Mrs. Moses Faitoute, Short Hills, N. J.; Mrs. H. D. Thomas, Paterson, N. J.; Mrs. George Green, Kensington, Connecticut; Miss Mabel Bollerer, New Britain, Connecticut.

Judges' Committee: Conrad Frey, Chairman; Mrs. Albert Humble, E. E. Tooker, Edward Badetty, William Noonan, William B. Waite, L. L. Pollack (for address see Show Committee).

Judges' Secretary Committee: Mrs. Dewey Mohr, Chairman; Mrs. Edward B. Lloyd, Mrs. Bruce Preas, Mrs. Warren Maytrott, Mrs. Lynn B. Dudley, Mrs. E. E. Tooker, Mrs. George Fraser, Mrs. A. Swoboda, Mrs. Gordon Waaser.

Show Prize Committee (including distribution): Mr. and Mrs. Albert L. Schuster, Mr. and Mrs. Edward B. Lloyd, Mr. and Mrs. A. Swoboda.

Educational Committee: Oliver Shurtleff, Chairman; Mrs. Albert Humble, Vice-Chairman; Prof. C. E. Wildon, Gordon Waaser, Mrs. Sarah Wood, Elsie and Mary Williams.

Membership Committee: R. W. Webb, Chairman; Mrs. Frieda Fisher, Vice-Chairman; R. A. Vogel, Miss Virginia Stout, Fred Thomas, Torrington, Connecticut; Albert Parrella, Mrs. Jennie Mendham, Charles H. Stoeckel.

Schedule Committee: Warren Maytrott, Chairman; R. W. Webb, Conrad Frey, Edward B. Lloyd, C. Louis Alling.

Quarantine and Pest Control Committee: Warren Maytrott, Chairman; Conrad Frey, Secretary C. Louis Alling, Fred Thomas, Louis B. Tim, Thomas Leavitt.

Fair Trade Practice Committee: Gordon Waaser, Chairman; Warren Maytrott, E. E. Tooker, C. Louis Alling, Thomas Leavitt, George Fraser, Bruce Collins, Raymond Moffett, F. V. R. Veirs, R. C. Swartz, Richard Petrie, C. W. Ballay.

Nominating Committee: Warren Maytrott, Chairman; J. A. Kemp, George Fraser, Dewey Mohr, Gordon Waaser, Mrs. Frieda Fisher.

Entomologist: Prof. Harry Knight, Ames, Iowa.

Pathologist: Prof. Ray Nelson, East Lansing, Michigan.

The Dahlia Becomes Modern

Having passed through that stage of Dahliana where one by one the deep secrets of disbudding, feeding with a teaspoon, umbrella shading, etc., have been unfolded, your Editor learned of a new device recently!

Yes, there is always something new in regard to Dahlia growing. I asked our friend Warren Maytrott—"what is new?"

Quite a simple question to be sure. But imagine my utter surprise when Mr. Maytrott arched his brows, smiled just a little and whispered "air-conditioning!"

Air-conditioning—just what could that mean? Oh, yes, we have watched the beneficial results to flowers exhibited in halls or rooms so equipped. But that is not exactly new.

Air-conditioning greenhouses! Now what will justify the expense of such an installation and why add to the cost of propagating or making plants! Quite to the contrary—cuttings will root quicker and with practically no loss due to damping off, making it possible to reduce the price of plants.

Mr. Maytrott's Dahliadel Nurseries is one of the largest commercial Dahlia plants in the country. In the interest of better Dahlias he has kindly consented to permit us to publish this very latest and most modern innovation in plant propagation.

Temperature and Humidity Control

While we hear rumblings of artificial root producing agencies, rooted cuttings, etc., let us lean to another form of modern Dahlia merchandising. First of all production, and by this we mean production of strong vigorous plants and in sufficient quantities to bring the price within the reach of the masses. This we hope to do by some rather drastic changes in greenhouse construction which is well under way at present, including temperature and humidity control.

This we are accomplishing by the use of concrete enclosing walls on propagating benches with air ducts following the full length of every bench with adjustable outlets that will distribute a blanket of cooled and humidified air evenly, throughout the house. These outlets are just above the floor, contrary to ventilating homes because we want our cool blanket equalizing in the walks then drifting over the cuttings in the benches. After this air elevates to a foot or more above the plants we are no longer interested in its temperature or humidity except to use a part of it over again to recondition with some fresh air added. The cooling will be accomplished by atomizing 54 degree water into the air absorbing the heat units from the air and carrying this heat away with the water. This system will also humidify and wash the air.

Air-conditioning a greenhouse is quite different from that of dwellings as we do not have to worry about too high a humidity, the plants like it when the sun is shining and when it is not shining we will not need to cool, at least, not to any extent.

It also differs from dwelling requirements as a separate and distinct hot water heating system with properly con-

trolled top heat or air temperature and bottom heat or sand temperature is much safer and more reliable for winter use. Dahlias root better with greater bottom heat than air temperature above. Therefore, confined bottom heat is a separate unit controlled by valves. The air temperature above the bench will be heated by hot water pipes when heat is needed and cooled by air being circulated at the rate of 600 cubic feet a minute and graduated down to nothing by automatic controls. The amount of water sprayed in for cooling purposes will be automatically controlled in proportion to the amount of air being circulated.

The greenhouse above described of course is for propagating Dahlias only and is 24' x 36' of semi-steel construction with concrete benches and asbestos board for bench bottoms on steel supports. All construction is concrete, steel, copper and aluminum, not a piece of wood in the entire bench heating or cooling system. The greenhouse has a capacity of 6,000 cubic feet of air, exclusive of enclosed benches which are heated separate for bottom heat. The seven benches will hold 38,000 cuttings. By rotating twice a month this unit will have a capacity of 200,000 cuttings in a season.

Propagating Dahlias is relatively easy early in the season when natural climatic conditions are nearly ideal except with the addition of a little heat, but when the mercury starts up late in April or in early May then the trouble begins, including damping off. Some of us hate to admit it, but nevertheless, it is true in most cases. At that time, then, a cooling system will be worth much, especially when it is very advantageous to grow a quantity of pot roots, of which we grow about 15,000 a year. These are the later plants, shifted to 3" pots and grown in sash houses with sash off during the summer and early fall. The sash is replaced before frost and plants grown on until about Christmas when they are ripened off, gradually storing all the energy from the stalk in the tuberous roots.

Fireproof Storage Cellars—Tile and Concrete Ceilings

Two cellars 24 x 36, two cellars 24 x 24, all communicating. This is about 24,000 cubic feet or enough room to store between six to seven hundred varieties and enough clumps to divide into one-half million divisions. Even with this quantity there will be a shortage this season on many varieties.

Cypress racks with galvanized steel slides to hold 1 1/4 bushel crates provide accessible storage for all the varieties listed in our catalogue and more. There is a special and separate retail department where roots are tagged, inspected and so arranged in small bins that any variety can be reached within two steps from the filling table. This facilitates filling orders and is next to the conveyor system of assembly. One man fills and checks, the next in line stamps and separates invoices, shipping label, etc., the next one packs with peat moss, the next seals and pastes on labels. Then the packages are weighed and stamped by part of the office force and the goods are ready for post office. Two truck loads a day is not unusual during the shipping season.

What 1938 Introductions Will A. D. S. Officers Grow This Year . . . By President Lynn B. Dudley

THE SECOND ATTEMPT TO MEASURE THE ALLURE OF THE NEW DAHLIA PRIMA DONNAS

Last year, at the request of our late friend Charlie Reed, we made an effort to discover what new varieties people in the American Dahlia Society were "that way" about.

He had asked us to come to Boston and tell the members of the New England Dahlia Society about the new novelties and we felt that something more than one person's opinion was needed.

We therefore canvassed some of the judges, Honor Roll makers, commercial folks and leading amateurs. We asked them what new ones they liked well enough to invest their money in that year.

And the results were surprising even to yours truly. We asked for a selection of the five large and the five small types among the new novelties of the past fall. We received many letters, after publication of the results of the questionnaire, in the BULLETIN saying this cross section of acceptance was most helpful in selecting new ones.

This year Editor Gordon Waaser informed us that there were numerous requests to have the research repeated. We are happy to give you the results of this combined selection of preference. It is not an "Honor Roll" in the sense that season growing and showing records have been kept and then reported as a personal selection. But it is a list which is the sum of a lot of study; scoring, certificates, blue ribbons, etc., by men and women Dahlia growers from coast to coast. We hope you will compare these selections with your own notes and purchases. If you have been hesitating between several new varieties, we also hope this will help you to decide what to buy. They are listed in order of number of selections. (Abbreviations for types, same as in A. D. S. Standard Nomenclature. Abbreviations on certificates "E. L." for East Lansing and "S." for Storrs.)

Large Varieties

No. 1. *Katie K.*, (Lakeside) Giant I. Dec., deep rose pink, white veined petals. Won most selections but was second in "order of Preference." A. D. S. Certificate E. L. and S.

No. 2. *Sun Rays*, (Straight-Wells-Ruschmohr) Giant I. Dec., bright buff with apricot suffusions. Close second in number of selections, first in "order of Preference." A. D. S. Certificate E. L.

No. 3. *Lynn B. Dudley*, (Lakeside) Bicolor of brightest grenadine red, tipped white, reverse russet. Third in number of selections.

No. 4. (Tie.) *Michigan White*, (Lakeside) Semi-Cac., pure white, profuse bloomer. A. D. S. Certificate S. and E. L.

No. 4. (Tie.) *Monarch of the East*, (Almy) For. Dec., Giant golden bronze, orange buff reverse. A. D. S. Certificate at S.

No. 5. *Straights White*, (Straight-Wells-Ruschmohr) I. Dec., pure white.

No. 6. (Tie.) *Sleepy Hollow*, (Morgan) Inc. Cac.,

white in center, outer petals mallow pink.

No. 6. (Tie.) *Grand Master*, (Caldwell) F. Dec. Deep orange shading to bronze.

No. 7. (Tie.) *Gracie Allen*, (Petrie) Inf. Dec., dark amaranth pink. A. D. S. Certificate E. L. and S.

No. 7. (Tie.) *Cometeer*, (Golden Rule) St. Cac., golden buff with pink suffusion. A. D. S. Certificate Merit E. L. and S.

No. 7. (Tie.) *Rosmary Beauty*, (Rosemary) Semi-Cac., pink shading to lemon.

No. 7. (Tie.) *Pink Fantasy*, (Johnson) Semi-Cac., mallow pink shading lighter.

No. 7. (Tie.) *Bernice Geer*, (Geneva) Inc. Cac., old For. Dec., habit early, of lemon yellow color.

No. 8. (Tie.) *Phyllis Knight* (Fitzgerald-Parella) I. Dec., giant salmon and rose pink.

No. 8. (Tie.) *Rockley Dictator*, (Rockley), In Dec., brilliant scarlet, reverse of ivory.

No. 8. (Tie.) *Golden Bounty* (Chick-Dahliadel) For. Dec., habit early, of lemon yellow color.

No. 8. (Tie.) *Adolph Meyer*, (Mad River) Semi-Cac., Velvety French purple to garnet.

No. 8. (Tie.) *Cherokee Brave*, (Ricks-Dahliadel) Inf. Dec., Ox blood red which holds in sun. Large.

No. 8. (Tie.) *Mrs. C. E. Wildon*, (Dixie) Inf. Dec., Scarlet red, orange buff reverse. A. D. S. Certificate at E. L.

Runners up for these nineteen most sought after large type 1938 Dahlia novelties are listed below. These are being ordered by your friends, too.

Director Marshall A. Howe, (Parrella) F. Dec., Tyrian Rose.

Vinwell Bittersweet, (Blamer-Parrella-Hulin) I. Dec., Copper Red.

Memorial, (Kemp) F. Dec., Rich yellow. A. D. S. Certificate Storrs.

Rosy Morn, (Johnson) I. Dec., Deep rose pink.

Grace Moore, (Cordes) I. Dec., Lavender overlaid white. A. D. S. Certificate E. L.

Gala California, (Ballay) True Cactus, bright orange. *Sally Lou*, (Bissell) Semi-Cac., Dark orange overlaid tan.

Limelight, (Dahliadel) Semi-Cac., Sulphur yellow.

Premier's Majestic, (Premier) I. Dec., Salmon, mul-bury, gold.

Pride of Shadowbrook, (Roy-Chappaqua) Semi-Cac., Salmon rose with canary yellow.

Mildred Pote, (Derring Do) I. Dec., Phlox pink.

Kemp's Golden Giant, (Kemp) Golden yellow, buff reverse.

Mrs. Ruth M. Place, (B. & B.) S. C. to Inf. Dec., Pink and cream, garden and cut flower variety.

Pink Elegance, (Wenning-Sparks) S. Cac., True rose pink. Certificate Storrs.

Josephine Hayes, (Smith) I. Dec., Greenish yellow. A. D. S. Certificate of Merit, Storrs.

(Continued on page 21)

Ohio Valley Trial Grounds Unites With A. D. S.

By G. A. RICHARDSON

As time goes on we either progress or depreciate. All persons or organizations have incentives. These incentives usually lead to acceptable quotants, so with concerted coöperation and well meaningful purpose there has been brought about the unity of the Ohio Valley Dahlia Association and the American Dahlia Society in the advancement of Dahlia culture. The general public as well as the members of these two progressive organizations are happy to be permitted to more uniformly work together in making Dahlia growing a more pleasureable vocation and hobby and through a standard curriculum of effort, be of greater value in abetting the growing of reliable and beautiful flowers.

This means that after years of effort and planning the A. D. S. adopts the active and veril O. V. D. A. as one of its healthy and progressive branches. Along with this announcement goes the best wishes of thousands of Dahlia loving people throughout the east and mid west.

The O. V. D. A. brings into the unity a membership of Dahlia growers whose reputation as producers of certified new varieties stands second to none, promoters of classical Show that attract the best and a great bevy of persons whose main purpose over all is fair play and good fellowship. Long live this union whose very action should stimulate additional interest in the growing and showing of Dahlias.

This unity of A. D. S. and O. V. D. A. adds another much needed official Trial Grounds to the present two official grounds, namely Storrs and Lansing. This trio of testing laboratories will give added emphasis toward growing better Dahlias. This important step annually should be of inestimable value to all growers.

The Ohio Valley Trial Grounds presents a most practical proving unit with vast space amid ideal environment. Known as Ault Park on a high elevation which affords the Trial Grounds sufficient protection from frost to extend the blooming season to its maximum length but also has a large planting of the leading varieties of Dahlias. This affords a good standard by which the flower lovers who throng the Park's beautiful plots, may compare the superior merits of the new seedlings. The Cincinnati Park Board is noted widely for its interest in promoting the Dahlia as well as for its beautiful landscape features. These Trial Grounds are conducted in collaboration with the Park Board whose head is Irwin M. Krohn and Harry A. Gray. The O. V. D. A. provides an appointed board of officers who are responsible for the promotion of this valuable and important project. Expert culture and keen attention are regularly provided with judging talent of the highest and most efficient caliber carefully scrutinizing each plant that is grown in the grounds.

An annual field day is being scheduled when leading growers and judges will gather for a feast of Dahlia lore. The record of each entry will be carefully compiled

under the code of the improved and established A. D. S. regulations, thus the Ohio Valley Trial Grounds will carry additional weight of influence in naming certificate winners.

Entry in the new official Trial Grounds should be addressed for parcel post delivery, Ohio Valley Trial Grounds, Box 115, Station O, Cincinnati, Ohio, and for express address, 3289 Observatory Road, Cincinnati, Ohio. There is a big demand for certified Dahlias. Send your seedlings to the Ohio Valley Trial Grounds this season.

Long live this united body and may its very incentive be progress and happy fellowship. The utmost coöperation will always be accorded the A. D. S. in its endeavors to develop more interest in the Dahlia.

Dahlias on Parade

The sixth in a series of successful Shows will be staged this year under the sponsorship of the Berlet Dahlia Foundation at Chicago on September 17th to 20th.

A Dahlia Revue Internationale—that is what Mr. Berlet terms it.

The exhibit will consist "of not less than 2,000 blooms arranged in military array, grouped in artistic formations, in not less than 300 containers with a suitable grouping of Dahlia notables (blooms of course, big and important) in the Reviewing Stand on the side lines."

All growers are invited to send several roots of small flowering Dahlias which will be grown for this purpose or to send some blooms by air or railway express at Show time.

The complete address is: Berlet Dahlia Foundation, 3065 Lincoln Avenue, Chicago, Illinois.

Modern Dahlias

By J. Louis Roberts

It was your Editor's privilege to review this splendid book on the Dahlia, written by Mr. Roberts of Chicago (Central States Dahlia Association), and edited by Leonard Barron, A. D. S. official and Editor of *The Flower Grower*.

Here is a book written in understandable style, which covers all the points a Dahlia lover might be interested in.

Mr. Roberts writes principally for the benefit of the novice, yet any Dahliaist can scarce be without this treatise.

It is a publication of Doubleday, Doran, printed with the viewpoint of making its reading very easy.

If you can utilize the advice garnered by Mr. Roberts' long experience growing Dahlias, by all means read this book.

Send Your Dahlias to the A. D. S. Trial Grounds

We would like to place special emphasis this year as to the time roots and plants should reach the Trial Grounds. The dead-line is June 1st.

Prof. Roland H. Patch at Storrs and Prof. C. E. Wildon at East Lansing have big tasks in preparing the gardens and arranging the layout to say nothing of the work of planting. They are entitled to full coöperation of the growers who desire their varieties to be tested.

And quite apart from the angle of fairness—to view the matter from a purely selfish standpoint, many varieties which might have had a better chance to score have had the handicap of late planting simply because the grower delayed too long in shipping. Therefore arrange now to ship your Dahlias for trial—three plants or roots of each variety to reach the garden by June 1st. The fee is \$3.00 per variety which should be sent together with your application blank to:

Prof. Roland H. Patch, Connecticut State College, Storrs, Connecticut; or

Prof. C. E. Wildon, Michigan State College, East Lansing, Michigan.

Special Timing and Fertilizing Garden

Mr. E. E. Tooker will again supervise the special fertilizing garden at Storrs this season. If you have a Dahlia which is one of the big fellows you should send preferably five plants or roots although three will be accepted in the event you do not send five. These will be grown under high culture as explained in the February BULLETIN. The varieties are not scored but a record will be furnished as to the result of the growth of your Dahlia.

Mr. Tooker asks that all refrain from sending seven or eight inch Dahlias as there is no advantage in forcing these to produce nine inch flowers. But if your Dahlia grows large, it should be tested here and under reasonable weather conditions should show its maximum results. This garden is also under irrigation. Address your communications to George W. Fraser, Chairman of Trial Grounds Committee, Willimantic, Connecticut, or to Mr. E. E. Tooker, 100 Windsor Avenue, Rockville Centre, L. I., N. Y.

YOUR PLACE IN THE GROWTH OF THE AMERICAN DAHLIA SOCIETY

To the Entire A. D. S. Membership

The Membership Committee of the A. D. S. for this year fully realize that to meet with any sort of success we must have the wholehearted coöperation of the entire membership. Whether or not you have been officially appointed to this committee, we want you to act as a member of same. This is one committee of which every last member of the Society is a member. To this end we urge that every member boost the Society and the good it is doing, at all times keeping in mind that the more members the Society has, the more good it can do for the Dahlia which we all love and for us as individual members. It is our Society and will prosper in direct proportion to the work done by the members.

To the Amateur In Particular

We have one of the finest hobbies on earth, the growing of grand Dahlias. Make this hobby even better and greater by getting your many friends into it too. Secure their membership for the Society, so that they too may receive all the latest information about this greatest of all flowers. Don't hesitate to invite your friends to join, you are doing them a good turn when you get them to share your joy and pleasure with you. The Society will be great, and thereby of more service to its members if it has a larger membership. A larger membership will assure us all of a bigger and better BULLETIN, bigger and better annual Dahlia Shows, and better coöperation in

the matter of insect and pest control. All that is necessary to do to secure new members is to extend an invitation to your friends to join. The BULLETIN alone is worth more than the cost of membership.

To the Commercial Growers In Particular

We sincerely appreciate the coöperation you have given the Membership Committee in the past, your printed invitations have helped, your verbal invitations have helped and we know that you will continue your coöperation, because when one joins the A. D. S. he becomes a more enthusiastic Dahlia fan, wanting the better varieties and that is where you profit.

To the Professional In Particular

Membership in the A. D. S. is a real asset in helping you to be of greater service to your employer. It helps you to keep up to date of the latest things Dahlia-wise. Many of your friends would like to become members of the A. D. S. if they knew of the BULLETIN and other good things to be enjoyed by the members. Invite them to join this greatest of all Dahlia Societies and to share in its many joys.

We again ask for the support of the entire membership of the A. D. S. It is your Society just as much as the Society of the officers or any committee. Let us all pull together and make the membership what we all know it can be made, if we all ask all our Dahlia loving friends to join and show them the way to join. Send all memberships and remittances direct to Mr. C. Louis Alling, 251 Court Street, West Haven, Connecticut.

R. W. Webb,
Chairman, Membership Committee.

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."

LYNN B. DUDLEY, *President*

18 Interlaken Drive, Tuckahoe, New York

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

And so we are in a recession—real or fancied—they tell us it is a recession.

One good way for the Dahlia lover to conserve his assets; save future expense money is to buy now some good varieties to add to his collection. This expenditure of a relatively small sum will provide enjoyment and entertainment through the late summer and fall. Your garden will be so interesting you will refrain often from leaving it to seek other enjoyment which may have cost much more money.

I was invited to "listen in" at one of the sales counters of a large seed house recently. Surprising how many folk are turning to gardening who have been more or less "previously" occupied during the last five years.

What flower except the Dahlia will bloom from three to four consecutive months with just a little studied care? Miniatures and poms to fit into any conceivable planting plan. Beautiful free flowering cactus varieties for my lady's daily bouquets for the home; mammoth decoratives to make a man hurry to catch a train to get there while the soft evening glow of September radiates the glorious colorings. These are but snatches of the fascination of Dahlia growing. Let's make it the greatest Dahlia year!

Because of so many requests we asked President Dudley to again bring us his survey of what the A. D. S. officers are buying this year. And Mr. Conrad Frey writes on "Fifty Dahlias That Can Win At the Shows This Year." If you enjoy these informative articles, write the authors and make such suggestions as seem expedient.

Of some 3,000 varieties that have been tested at the A. D. S. Trial Grounds at Storrs, Prof. Patch tells us some 500 have received certificates. During the 1937 growing season but 21 were certified out of 155 entries. Read elsewhere in this issue complete data regarding sending your undissemated Dahlias to each of the A. D. S. Trial Grounds. And please send all material before June 1st!

The advertisers in the BULLETIN are striving to give satisfaction. Place your confidence in them. A large part of your success depends upon the quality of the stock you plant. Three good ones are better than six poor ones. If you buy chuck you will not eat portershouse. Price is great bait. That's what the happy brook trout thought of a worm, too! Don't land in the frying pan.

The A. D. S. encourages a high standard of ethics in the Dahlia industry and will refuse to accept advertising from any grower whose tactics are unfair. This acts as a protection to members who purchase material from our advertisers.

Dr. C. H. Batchelder of the U. S. Dept. of Agriculture, whose fine article on Corn Borer appears in this issue, will speak on this subject at a meeting of the Garden Club of Jersey City on May 5th. The place of the meeting is the Masonic Hall in that city and the time 8:15. The talk will be illustrated with lantern slides showing the injury inflicted on Dahlias by this pest.

A. D. S. SHOW MOVES TO UPTOWN NEW YORK

After twenty-three years of successful Shows held in midtown New York City the Show is to be moved uptown to the beautiful Ball Room of the Concourse Plaza Hotel located at the Grand Concourse and 161st Street. The move is made necessary by the ever increasing automobile traffic in the business section of the city making it nearly impossible for one not familiar with New York traffic to either bring in an exhibit or attend by car.

The new location is easily reached from all New Jersey and western points by the George Washington Bridge. The new Triborough Bridge makes access easy from Long Island and the Concourse is the gateway to New England. Two subways make it only about twenty minutes from Times Square and the Stadium Station—Yankee Stadium—is just a block from the hotel. Rooms will be available at reasonable rates for those who stay over night.

Dahlia Personals—and Personalities

By Oliver Shurtleff

Secretary, West Virginia Dahlia Society

Vice-President, American Dahlia Society

1264 Bryant Street, Fairmont, W. Va.

My share of the American Dahlia BULLETIN—Dahlia Personals and Personalities is a pleasure to me. Not that I do it so well; the pleasure comes from the fact that I get to introduce my Dahlia friends to BULLETIN readers. "To share friendships with other friends strengthens that friendship." Hence, I love my column. I hope that the readers like it a little bit, at least.

MADAM PRESIDENT

I introduce to the American Dahlia Society family Mrs. Bess G. Hardesty, President of the West Virginia Dahlia Society. Her home is in Kingwood, one of the prettiest little mountain towns that can be found anywhere.

And she loves flowers. She gravitates toward flowers and when she touches them their beauty is increased. Opening buds and spreading petals, at her command and touch, become bouquets of magic loveliness to enchant and charm and grace. People like her flowers; from them go out their own radiance and her personality.

Her personality suggests:

"Where charm and grace and beauty meet;
For at her feet
Grows loveliness
In flower and fern and leaf."

And Mrs. Hardesty works. For the past several years her floral pieces have been a significant part of the West Virginia Dahlia Show. For the last two years she has been "florist to the court of flowers." The queen of "The Court of Flowers," per princesses and the ambassadors to this lovely court have all, for the most part, carried flowers which had been grown and arranged by Mrs. Hardesty. How proud those girls were to carry those exquisite arm bouquets of Dahlias blending perfectly in color, neat and exact in arrangement, sweet and gorgeous in their display! Mrs. Hardesty did it!

Flowers have not been her only interest. Happily married, she has been a charming wife to a fine husband and a companionable mother to their delightful children. In the midst of her garden she is queen; in the midst of her family she is honored. Through that strange admixture of happiness and sorrow, of the pleasant and the unpleasant, which we call life, she herself has always been pleasant.

The West Virginia Dahlia Society is fortunate in having Mrs. Hardesty as its President. As her Secretary the writer wants to invite all Dahlia lovers to come to Fairmont on September 16th to meet her, to see her Dahlia Show and her pageant, "The Court of Flowers." You will be most welcome.

A Department Devoted to the Idea that Worth While Achievement in the Dahlia World Should Be Recognized, Even Tho' The Achiever is Not Often in the Headlines in the Dahlia Magazines.

Trial Ground of Dahlia Society of California

We are advised by Mr. Edward Salbach, well known Berkeley Dahlia and Glad specialist of the establishment of a Dahlia Trial Grounds at the Botanical Garden of the University of California.

Application is made for sanction of the American Dahlia Society.

Details are not complete as we go to press but we congratulate the Dahlia Society of California for accomplishing this important step which they have anticipated some years.

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AMATEUR NIGHT

In order to create greater interest in Dahlias among amateurs we suggest that Dahlia Societies extend an invitation, through the newspapers, to all amateurs to attend its meeting in either March or April of each year; also write the presidents of the Garden Clubs extending an invitation to them and to their members. Garden editors should be invited too.

As to the program for the meeting: if say, six commercial growers would volunteer to talk ten minutes each, and each one on a different subject, such as: first, Dividing the Clumps; second, How to Plant the Roots; third, Spraying for Insects; fourth, Irrigating and Cultivation; fifth, Disbudding for Show Blooms; sixth, Digging and Storing for the Winter; we feel sure that it would be greatly appreciated by those who are trying to get the knack of raising worth-while Dahlias.

Question period to follow.

By R. E. Devney, President of the Dahlia Study Club of Cleveland, Ohio.

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COPPER WIRE HOUSE PRODUCED GOOD ROOTS

Mr. Louis B. Tim, whose copper cloth house was described in a previous article reports that the roots produced by the plants grown in the house are fully equal to those of the plants grown outside. This information is given after an entire year's experimenting. The "cloth house" roots propagated as well and produced healthy plants. In fact, Mr. Tim quite prefers them to those grown outdoors.

Dahlia Forum and Exchange

If there's something you would like to know—
or some cultural or historic lore you would like
to pass along—or if you have the itch to write
about Dahlias—then this is your department.
Address Sec'y Alling.

Conducted by
Secretary C. Louis Alling

251 Court Street, West Haven, Conn.

I have had the itch to write on length of stems of Dahlias at flower Shows for a long time. So I am scratching for relief, or should I put two teaspoonfuls of Nitrophoska in my shoes so I can see the specimen blooms at the big flower (Dahlia) Shows. Most of the Dahlia fan's only chance of seeing the novelties and newer varieties, if they have good centers, etc., are at the fall Dahlia Shows and few of us are seven feet tall.

I have gone through the milk bottle days and camouflaging poor blooms with a bunch of leaves stuck at the back. I do not agree with that, nor do I agree with the unbalanced length of stems, in the specimen blooms. Anything from 1' 6" to 4' 6" with the 4' 6" ones drooping for want of water before the termination of the Show. I would welcome a reasonable length of stem stipulated on Show schedules, so as to allow patrons of the Show a better chance to see the blooms to their full advantage, and not just a view of the stem and under part of the flowers. My views are not spiteful to anybody but are my interpretation of the American Dahlia Society's aims. Yours a brother.

Arthurs Roberts,
447 Meriden Road, Waterbury, Connecticut.

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Urban, Wash.,
February 23, 1938.

To Dahlia Forum and Exchange:
Gentlemen:

I am spending the winter on an island in Puget Sound and enjoying every minute of the time.

I have read with interest the numerous complaints in regard to borers in Dahlias, and various methods of disposing of them, and would like to tell you of an easy method I accidentally discovered. In cultivating my patch I carry a small bottle of Black Leaf 40 and a medicine dropper with me, and when I discover a hole made by a borer I get two or three drops of Black Leaf 40 in the dropper, insert the tapered end of the dropper in the hole and squeeze the liquid inside the stalk then take some wet dirt and close the hole and go on and forget all about it.

It never fails to kill the worm and never injures the plant in any way.

Now I will agree that it is very pleasant to fish for the worm with a wire and pull him out and watch him

wiggle but I don't imagine that the borer sets up and gives three cheers when the gas from this liquid or the liquid itself touches him, and it is lots less trouble than using a wire or splitting the stalk and much more pleasant than seeing a choice plant wither away.

I have no remedy for prevention of this pest but you can hold them in check easily this way. Now if some one will tell me how to dispose of red spider as easily I will rise up and call him blessed.

Yours very truly,

Orie E. Oler,

Senior Vice-President Dahlia Society of Indiana.

[We appreciate this information from Mr. Oler. Elsewhere in this issue will be found Dr. C. H. Batchelder's article on control of second generation borer.—Ed.]

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Maturing of Dahlia Roots

There seems to be a mistaken opinion about the way Dahlias are grown in California.

The plants are allowed to die down and are dug about January or February and stored in the garage or basement where a convenient light and bench makes it easy to divide the clumps.

The roots are entirely dormant in the ground from about the first of December. All of the sap in the stock is allowed to go back into the roots. We do not have killing black frosts although the heaviest and coldest was the winter of 1937 when the ground froze one inch deep and the water in the pools had ice two inches.

We do not have white grubs or corn borers and all growers here who care for their garden are very careful to examine any roots that they import. Our greatest pest is from the ants which if not controlled put aphids or scale on the plants.

It is necessary to water frequently as California has no summer rains, and all growers use a mulch to keep the ground from drying out.

As a result of these mild winters seed is allowed to ripen on the plant and roots to mature in the ground.

We do allow our roots to rest and do not dig, cut and immediately replant as some people think. I think it easier and better to grow Dahlias in California.

Glenn T. Mack.

L.I.M.D.A. ANNUAL DINNER

By Avery F. Nesbitt

Handkerchiefs disappeared into thin air; cards left the pack and turned up in another place; yards and yards of material were pulled from an empty tube, right before our eyes! Shades of Houdini, where did all of this happen? Well, if someone has not already informed you this is part of the entertainment you missed if you did not attend the annual dinner of the Long Island Men's Dahlia Association, on March 19th.

But there was more magic that evening than that which was supplied by the Wizard of Legerdemain. There was the splendid Georgian Room and turkey dinner provided by the Garden City Hotel, the first mellow evening of the year supplied by Spring, and the genial fellowship brought by all of the men present.

Although this is called a dinner for Long Island Dahlia men, a glance at those present indicates that growers from other territories find it pleasurable to attend. There were greetings from the A. D. S. President, Mr. Lynn Dudley, a delegation of five from Peekskill (all former Presidents of the Peekskill Society), and other growers from neighboring States. We were treated to an interesting talk by Mr. J. Liphart, of Richmond, Virginia, who made us envious when he spoke of the long growing season in his State. During the evening we heard greetings and comments from Mr. James Duthie and Mr. Bill Noonan. Mr. Duthie, who is a charter member of the National Organization and one of its first Presidents, held our attention with reminiscences of the "old days."

The Chairman, Dr. Bruce Preas, arranged for other entertainment in addition to the magician. There was many a laugh and not a few red faces when Dr. Preas good-naturedly showed stereopticon caricatures of some of our members. We also congratulate him upon securing those motion pictures of the life and habits of various insects—especially the microscopic scenes from the life of the Praying Mantis. What patience must have been required to film the tiny, undeveloped insects emerging from their nest, and to take the later pictures of various stages in the life of the same insects!

There was plenty of "Dahlia talk," too. Mr. Tooker showed us his beautiful, colored motion pictures of the Trial Grounds and college at Storrs. This was an excellent opportunity for those who have never visited that interesting place to see exactly what it is like.

The fine evening was brought to a close with the words of Editor Waaser who made a plea for a united effort to establish more, good Dahlia Shows on Long Island.

New Dahlia Prima Donnas—Cont. from p. 15

Director Dahl, (Hillcrest) I. Dec., Rhodamine purple to mallow purple. A. D. S. Certificate at E. L.

In this list of thirty-five "first choices" among the new large 1938 Dahlia Novelties there are a total of sixteen A. D. S. Certificates of Merit. Several varieties have won certificates with a score of 85 points or over at both A. D. S. Trial Grounds. Of the first five varieties in preference four have won certificates. This is evidence

that the impetus given varieties which score high at A. D. S. Trial Grounds helps to put the variety high in favor among growers.

Small Varieties

Twenty-five new small type Dahlias were listed as being selected by those to whom the questionnaire was sent.

The first three in this list were the winners of A. D. S. Certificates, again testifying to the fact that if a Dahlia is worthy, the A. D. S. system of scoring at Trial Grounds is an excellent way to prove it.

The selections follow:

No. 1. *Sylvia*, (Lakeside) F. Min., Cerise red. First in preference and first in number of choices. A. D. S. Certificate E. L. and S.

No. 2. *McKays Purity*, (McKay-Dahliadel) F. Dec. White. A. D. S. Certificate at Storrs.

No. 3. *Melrose Baby*, (Liphart) Pompon, deep cherry red. A. D. S. Certificate at Storrs.

No. 4. *Pink Lassie* (Moore-Dahliadel) Peony Min., Soft rose pink.

No. 5. (Tie.) *Preakness*, (Preas) Collarette, pure white.

No. 5. (Tie.) *Little Miss Muffett*, (Strasen) I. Dec., Min., rose pink.

No. 6. (Tie.) *Charma*, (Creekside) F. Dec., Min., bright red flecked white.

No. 6. (Tie.) *Betty Malone*, (Malone-Dahliadel) Pompon. Greenish white petals, at center tipped phlox purple. A. D. S. Certificate Storrs. Scored 87, highest ever recorded for a Pom. (Not to be introduced this year.)

No. 7. (Tie.) *Dubonnet*, (Shipley-Dahliadel) Min. Semi-Cactus. Deep ox blood red. A miniature "Flora-dora." A. D. S. Certificate East L. 37.

No. 7. (Tie.) *Snowsprite*, (Shee-Dahliadel) Min. Semi-Cac., pure white.

No. 8. (Tie.) *Lolette*, (Wickersham) Min., Tyrian pink.

No. 8. (Tie.) *Charon Hall* (Loop Gardens) Pompon, Sulphur yellow. A. D. S. Certificate E. L. 1937.

No. 8. (Tie.) *Bunnie*, (Dahliadel) Orchid, Pure white, golden center.

In addition to the above thirteen small type Dahlias which led in number of choices and in preference, there were twelve runners-up which are being purchased. These are:

Mrs. Clara Colwell, (Theodore Sjoberg) Min. F. Dec., Bordeaux purple. A. D. S. Certificate E. Lansing '37.

Joyce Ann, (Sanhican) Min. Dec., Pink.

Rote Pearl, (Sanhican) Min., Red.

Starlet, (Kanouse) Cac. Min., light yellow.

Charmen, (No information available).

Canary, (Creekside) Pompon, yellow.

Purple Joy, (Salem) Pompon, true purple.

Lemon Drop, (No information available).

Betsy, (No information available).

We regret that we do not have all necessary information on some of the small varieties. We have gone through all the catalogues on hand and trial ground reports and failed to find them listed.

There's the list, folks. Does it coincide with your selections of the most desirable new comers to the Dahlia gardens and Show tables? If not don't blame us. We did the best we could to help.

European Corn Borer Control—Cont. from page 7

thin paste. This paste is then added to the spray water, and the mixture is agitated to obtain complete dispersion of the derris. The material may be made up in small lots at the rate of 2 ounces (avoirdupois), or 9 level tablespoonfuls, of derris to 3 gallons of water.

Phenothiazine. This material is made up in the same concentration and in the same manner as that described for ground root of derris. Constant agitation is required to obtain uniform distribution of phenothiazine spray. The ammonium sulpho soap has not been found a satisfactory spreader for phenothiazine.

Insecticidal Dust

Application of insecticidal agents with a dust carrier, preferred by some growers, has been a subject of experimental tests. These experiments have shown that one of the best dust insecticides is a preparation of dual-fixed nicotine. This is composed of dried nicotine tannate and dried nicotine bentonite mixed with a talc or a clay carrier in such proportions that the dust will contain 4 per cent of nicotine. Increased adhesiveness was obtained through the addition of sodium butylhydroxy-phenylbenzenesulphonate (butyl phenyl-phenol sodium sulphonate) in the proportion of 0.04 percent of the complete dust.

Where to Obtain Insecticides

Information regarding the purchase of insecticidal materials mentioned in this publication usually may be obtained through local dealers in agricultural supplies, seedsmen, or general stores, or through county agricultural agents, State agricultural experiment stations, State departments of agriculture, or the Bureau of Entomology

Figure 7. Exit hole covered with frass—late stage. Note stunted terminal (central branch).



and Plant Quarantine, U. S. Department of Agriculture.

Roots Are Not Infested

The corn borer is primarily a stalk borer and it has not been found below the level of the "crown" of the Dahlia plant. Therefore, if root clumps have been prepared properly for winter storage by cutting off the stalks close to the "crown," it is not likely that hibernating borers will be carried over winter in root clumps. Since this method of cutting is standard practice among commercial growers, and owing to the further safeguard of State and Federal inspection services, there is little danger that borers will be present in newly purchased roots.

Registrations

Application has been made with the customary fee of \$1.00 to register the following Dahlia names. If no prior right exists, and there is no valid objection within a reasonable length of time, registration will be considered made.

WHIRLIGIG. Informal decorative. Bright red with white tips. Medium size. By R. W. Webb, 1322 Schlager Street, Scranton, Pennsylvania.

PAINTER'S DELIGHT. Cactus. Light salmon orange, blended with grenadine pink. By Arthur Roberts, 474 Meriden Road, Waterbury, Connecticut.

GOVERNOR HAROLD G. HOFFMAN. Formal decorative. Rich pink, 6 x 3 inches. Bush 4½ feet. **CLARA M. SANDERS.** Formal decorative. Pure white, 7½ x 3½. Bush 3½ feet. By Port Republic Nurseries, Port Republic, New Jersey.

ACE HIGH. Informal decorative. Clear deep yellow. **Large. OLD TRAIL DAN DEE.** Ball type. Purplish red with silver reverse. By Old Trail Dahlia Gardens, 1705 Forsythe Avenue, Columbus, Ohio.

Notice

To Whom it May Concern:

The following named Dahlias are believed to be obsolete, in that they are not generally catalogued and generally grown under the variety names:

Acme, Ada, Adoration, Albastic, Apricot, Beacon, Beaut, Bewithus, Big Bouncer, Birdie, Brave Heart, Calico Gem, Candida, Caprice, Cremo, Darling of the Gods, Dearie, Don Bonera, Dunno, Early Day, Ecmarchera, Enormous, Evedon, Executive, Faddy, Fascinating, Firestone, Flower of Night, Garden Beauty, Gloria, Golden Sheen, Gypsy Boy, Halo, Hamlet, Handsome, Harlequin, Hearts' Desire, Homestake, Icicle, Innocence, Jack, Jacob's Ladder, Jamboree, Jumbo, LaSelect, Lady Fair, Log Cabin, Lovely Thing, Mammoth, Milady Mysteria, Neptune, October Morn, Opal.

Notice is hereby given that these names will be declared stricken from the roll and available for new varieties, unless notice is received within sixty days from the publication of this list.

*American Dahlia Society Committee on Nomenclature,
C. H. Connors, Chairman,
New Jersey Agricultural Experiment Station,
New Brunswick, New Jersey.*

Planting Hints

Avoid planting too early. May 15th to June 15th is the proper season in the east and mid west. Do not plant entire clumps, information about dividing will be found elsewhere in this issue. Dig the soil very deeply and pulverize preparatory to planting. If desired, a balanced fertilizer may be thoroughly incorporated in the soil. Plant root divisions flat, with sprout upturned in holes five to six inches deep. Cover with two inches of soil and gradually fill the remaining depression as the sprout grows.

When green plants are received after being shipped a distance, unpack and give them plenty of water. Keep them in a light but not sunny place for a day and then they are ready to set out permanently. Remove from pot and set in ball of earth in a hole six inches deep. Wrap paper around the stem an inch or two under the soil and the same distance above the soil. This will eliminate the destruction from cut worms. Fill in the soil to a point an inch or so above the level of the ball of earth. Water well and shade the plant with an inverted peach basket for a few days.

Commence spraying right away using a two purpose insecticide such as Red Arrow, Evergreen, etc. Make it a practice to spray once a week, cultivate around the plants once a week and water copiously once a week (unless there has been rainfall). This is a habit which one acquires with little difficulty and is a long step toward success.

When the plants are about a foot high and show signs of growing pinch out the top above three sets of leaves—this will result in proper branching of the plant.

Dividing Clumps

It is universally recognized that very poor results are obtained when entire Dahlia clumps are planted.

The technique in dividing clumps may be made quite simple.

First cut away as much of the old stalk as possible without injuring the eyes or sprouts. These eyes appear on the crown or base of the old stalk.

A good division consists of one or more sound roots with unbroken neck joined to a solid piece of the crown, containing a live eye. So the next logical step is to cut away from the clump any broken roots as these are useless. Prepare to halve the clump by cutting straight down through the center of the old stalk being careful to choose for this cut a position not too close to the live eyes. Great care should be exercised that the eyes be not damaged nor the necks of the tubers cracked. Some place the clump on top of a small brick before making this cut.

When completed there are two half clumps. They may then be quartered if there are sufficient eyes and good roots. Some clumps make several good divisions.

Show Dates at a Glance

A. D. S., New York City, September 20-21st.

Baltimore Dahlia Society, September 16th-17th.

West Virginia, Fairmont, September 16th-17th.

Ohio Dahlia Society, Cleveland, September 17th-18th.

Western Pennsylvania Branch, Pittsburgh, September 17th-18th.

Mid West, Detroit, September 24th-25th.

National Capital Dahlia Society, Washington, September 24th-25th.

Portland, Oregon, Dahlia Society, Portland, September 27th-28th.

Ohio Valley Dahlia Society, Cincinnati, October 1st-2nd.

There will be hundreds of Dahlia Shows held throughout the land this fall. The above is a preliminary list with dates such as we have at hand as we go to press. We plan on a complete list in the August issue and would appreciate information of any Shows not listed.

Two More Branch Societies

We are happy to report that the Dahlia Society of Alabama has voted to join the A. D. S. as a Branch Society and has started with 26 paid up members. This is splendid coöperation on the part of our southern friends who have pledged themselves to work so wholeheartedly for the improvement of the Dahlia.

As we go to press we are pleased to hear via long distance telephone from President E. J. Heitzman of the Ohio Valley Dahlia Society, with headquarters in Cincinnati, that they have also voted to come in as a branch, and as it reported elsewhere in this issue, are to have an official A. D. S. Trial Gardens located in beautiful Ault Park in the city of Cincinnati.

These new Branch Societies make for closer coöperation and a better understanding between the local and parent Societies, consequently much more work may be accomplished in the improvement of the Dahlia, and after all that is the purpose to which all Dahlia Societies are dedicated. We hope that we may have the pleasure of welcoming many more branches in the near future.

On to Detroit

This is the slogan for this big annual mid west Dahlia event which is to be held on Saturday and Sunday, September 24th-25th. The location is the beautiful General Motors Building. Plans are in the hands of a capable committee consisting of representatives of the various Mid West Conference Societies. The preliminary schedule will be ready in June and may be had on application to Tom M. Place, 176 Moross Avenue, Mt. Clemens, Michigan, who should be addressed for all information.

News and Notes of the Affiliated Societies

Akron Dahlia Society

By F. V. R. Veirs

At the January meeting of the Akron Dahlia Society, Harold Shannabrook of Massillon, Ohio, was re-elected to head the organization for another year; and with the experience he has had in conducting the Society to the most fruitful year in membership and the best Show ever held in Akron, we wish him success this coming year. The other officers are: First Vice-President, Victor Goerler, re-elected for a second term; Second Vice-President, Mrs. W. H. Shannabrook; Third Vice-President, Durbin Everhard; Secretary, L. R. Davis; Assistant Secretary, Dwight Jennings, and Treasurer, W. H. Shannabrook.

Mr. Davis served last year as Assistant Secretary and Show Superintendent. During the latter part of the year he acted as publicity man and did an exceedingly good job in all three positions. No one in the Society has the welfare of the organization more at heart than he.

Warren Shannabrook was appointed Show Chairman; and F. V. R. Veirs, Chairman of Publicity. Other appointments will be made later.

At the next meeting John Zazo will tell us how to grow specimen blooms and answer any questions of interest to the Society.

It might be interesting, especially to the new members, to know that this year is the tenth anniversary of the organization of the Akron Dahlia Society which was started in October, 1928. Warren Shannabrook was the first President, and I think he has held some office almost continuously since that time. The first Show was held ten years ago and fifteen Shows have been staged altogether and each succeeding Show has shown improvement over the last.

The Ohio Dahlia Society was organized the same year, but their first Show was in 1930. This Show was held in the Hollenden Hotel in Cleveland and was very successful both as a Show and as a financial success, the Society having had, after all bills were paid, about \$140.

The members of the Show Committee that year were Benjamin Deland, Dr. Smith and Warren Shannabrook, all of whom are still members of the Ohio Dahlia Society.

The two Societies have been very close and usually some of the officers of one Society are officers in the other. There has always been a friendly rivalry between them and the blooms from members of both Societies are shown at both places.

Take care of your prize winning roots and plants, for now is the time to start to prepare for your specimen blooms for the Shows next fall.

A great many members have told me they are getting ready for the Akron, Cleveland and the great Mid West Show in Detroit next fall which we are going to support to the limit.

Commercial growers who have not been supporting their local, state and national Societies, remember that when these organizations cease to exist your business will be with the Five and Tens.

Alabama Dahlia News

Under the capable leadership of Mr. Norman Lefkowitz, the President, the Dahlia Society of Alabama is going forward in a fine way. The meetings have been featured by both plans and programs conducive to growing more and better Dahlias in Alabama. At the February meeting a study was made of pest control and of soils adapted to Dahlia growing. This was led by Professor E. W. McElwee, Assistant Professor of Ornamental Horticulture at Alabama Polytechnic Institute, who also spoke on "The Value of the Trial Grounds to Alabama Dahlia Growers." Mr. Nelson Crist, for twenty-five years a member of the Atlanta Park Board, was the speaker at the March meeting. His topic was "Dahlia Fertilization and Propagation." The meetings are well attended; one member, Mr. J. W. Moore of Huntsville, drives around three hundred and fifty miles each month to be present. New members are being enrolled and a membership drive with a goal of doubling the membership was begun at the March meeting and will continue until May.

Creating unusual interest and favorable comment was the recent appearance of the Dahlia Society of Alabama *Cut Worm*. Unlike that bothersome little pest familiar to all Dahlia growers this *Cut Worm* is a most interesting bulletin giving helpful cultural instructions, a list of Dahlias winning ribbons at the 1937 Show, interesting bits about members and information with a map showing the location of the Trial Grounds, established this year. All are now looking forward to the next appearance of this *Cut Worm*.

The Show Committee, Dr. H. C. Rike, Chairman, announce that plans for the 1938 Show are complete with the exception of the selection of the judges. The location is to be in Birmingham at the Thomas Jefferson

UNUSUAL BARGAINS IN FOREIGN DAHLIAS

We must cut down our stock to make room for our new importations

Bargain lists ready about April 25th

ESTACADA DAHLIA GARDENS

Estacada, Oregon

Your address for the best

EUROPEAN NOVELTIES

is

H. CARLÉE LTD.

HAARLEM, HOLLAND

Hotel. The date will be October 11th. This being the last major Show to be held in 1938, we hope some of our eastern and mid western friends will find it possible to be with us on that date. There will be a few changes over last year's Show. The division of classes is more definite so that the man growing only a few hills will not have to compete with the man growing one or two hundred hills. Also about one-fourth of the floor space has been allotted to miniatures and pompons. Show schedules will be available after May 1st. Those interested write the secretary.

T. M. Floyd, Director of the Trial Grounds is very much enthused over the progress which has been made in getting everything in order for our first year's trial. He states that the growers have been most generous in their contributions and have been exceedingly prompt in making their reservations and that there are only a few available stakes left. He also states that he feels no hesitancy in predicting a very successful first year's undertaking.

Baltimore Dahlia Society

The Baltimore Dahlia Society has secured the coöperation of the City Fathers of Baltimore for their 1938 Show by a financial contribution. Tentative plans for our 1938 Show call for the use of Baltimore's largest convention hall if same can be secured and the possibility of a three day Show instead of the usual two day Show as in the past. Show Manager George Schirmer plans the best Show to date for Baltimore—in fact George is taking in a lot of territory and raving of the best Show in the U. S. A. Our members are grateful to Mr. Tetzner of West Bridgewater, Pennsylvania, for his donation of Dahlia tubers given as door prizes at our last meeting. The old time Chesapeake oyster roast given by President Nicholas A. Gossmann and Mrs. Gossmann was just about the finest affair it has been the pleasure of your correspondent to attend. Eats—refreshments and the famous Chesapeake bivalve were consumed by the members of our Dahlia social, but even the food—the good time and the oyster could not stop the various Dahlia fans from getting together and discussing Dahlias—Dahlias and more Dahlias (and it should be so). Many of our boys have purchased new varieties, Dahliaite De-Lawter importing some fine varieties from Holland.

Our capable and faithful Financial Secretary, E. N. Gabrielson, is confined at a local hospital seriously ill—and the members of the Baltimore Dahlia Society miss this fine character at their meetings. We pray for his speedy recovery. An extremely early Spring has come to Baltimore and the vicinity, and many of the members are as busy as the proverbial bee in propagating and general preliminary work on their Dahlias. Most of the members report a very low per cent of loss in their tubers stored from the past season. We expect some new varieties and surprises in Dahlias in and around Baltimore this season.

J. H. Nolte, Chairman Executive Committee.

Dahlia Society of Georgia

The Dahlia Society of Georgia Award of Honor Certificate was granted to 24 varieties of the 149 submitted for trial at the Experiment Station of the University of Georgia.

ALLING'S SEEDLING G10 (Mohawk Chief), (C. Louis Alling), Informal Dec. Large rich velvety cardinal red; 9-10 x 3-4; stems erect.

BAERNE (Foreign), Cactus to Seci-Cactus. Straw to golden yellow with rose lavender showing at the tips; 7½ x 4½; stems erect.

BETSY (Hillside), Informal Dec. Amaranth pink, shading to cream flower of sheer beauty; 7-8 x 4; stems good.

DIRECTOR MARSHALL A. HOWE (Parrella), Formal Dec. Cardinal red, overlying mulberry; 7 x 5; stems erect.

FAIRY (Dayton), Miniature Formal Dec. Soft rose pink with lavender cast; 3½ x 2; fine stems.

FIREBALL (Hillside), Formal Dec. Glowing scarlet; 7 x 5; excellent stems.

BERNICE GEER (Geneva Dahlia Gardens), Semi-Cactus. Distinctive color of bright deep old rose; 8½ x 4½; erect stiff stems.

GOLDEN BEAUTY (Hook), Informal Dec. Golden yellow, orange suffusion; 11 x 4; fine stems.

GREATER GLORY (Salem), Semi-Cactus. Rose pink, reverse deep rose; 10 x 4; excellent stems.

MARGRACE (Hillside), Informal Dec. Flame scarlet, tips of straw yellow; 9 x 5; long strong stems.

MICHIGAN WHITE (Koenig), Semi-Cactus. White with cream at base of petals; 7 x 3; stems erect and long.

MISS GLORY (Ballay), Semi-Cactus. Deep yellow, 10 x 5½; beautiful form; excellent stems.

MOTHER MAYTROT (Dahliadel), Informal Dec. Pure white of attractive formation; 7 x 3½; vigorous; stems excellent.

MRS. GRACE O'NEIL (B & B), Miniature Cactus. Deep rose pink; good miniature.

OAKLEIGH MONARCH (Hook), Formal Dec. Cardinal red; 10½ x 4½; fine stems.

PEACE (Creekside), Informal Dec. Snow white; 9 x 4; very vigorous; stems strong and erect.

PRIMROSE (Hillside), Incurred Cactus. Yellow, rose pink reverse; 7 x 3½; good stems.

PURPLE JOY (Salem), Pompon of rosane purple with bluish cast; new and distinctive; 2 x 1½; strong, erect stems.

QUEEN OF SMILES (Creekside), Ball. Beautiful rose cerise with a tone of lilac; 2 x 1½; fine stems.

RED SALUTE (Salem), Formal Dec. Bright scarlet; 9 x 6; good stems.

ROBERT RIPLEY (Salem), Informal Dec. Rose lavender; 9-11 x 5-7; strong erect stems.

SAARLAND'S HEIMKEHR (Foreign), Cactus. Exquisite color combination, canary yellow at center, shading to pink as petals open; 5 x 2½; fine long stems.

THE SOUTHLAND (B & B), Informal Dec. Gold to light old rose; large blooms held on strong stems with slight droop.

WAR ADMIRAL (Salem), Informal Dec. Apricot,

(Continued on following page)

with rosy pink reverse; 9 x 4½; good stems.

Committee of Awards: W. D. Ricks, Chairman; H. L. Cochran, B. E. Phillips, and B. L. Kennedy.

Dahlia Society of Indiana

An interesting meeting of the Society was held on Sunday, January 30th, at the Lincoln Hotel in Indianapolis. Inclement weather kept many of the members away, but quite a large and enthusiastic number were present to enjoy the program.

Miss Jennie Tudor, Zionsville, gave a very interesting talk on "Dahlias in the Home," interspersed with drawings and pictures showing the proper arrangement of flowers for artistic effect.

A surprise feature on the program was the maiden effort of the Society's poet, Donald R. Curtis, who gave a number of his original poems, which were greatly enjoyed by everyone. Mr. Curtis is one of the Society's most valued members.

Ralph C. Swartz, Irvington, President of the Society, was elected a delegate to the American Dahlia Society Executive Board meeting.

At a previous meeting of the Executive Board, an invitation was extended by the city of Madison to hold the 1938 Show there, which was accepted. At the meeting of the Society, the action of the board was approved and the place of the Show is now fixed and the date is October 1st and 2nd.

Mrs. Thalos Kerr, Indianapolis, was awarded the door prize, a root of *Volcano*, and Mrs. B. M. Walters, Carlisle, was given a root of *Red Jug* for coming the longest distance.

Mr. and Mrs. O. E. Oler, Dublin, who are visiting in Urban, Washington, have written a very interesting letter of their trip to the west coast. They left Dublin on December 2nd and motored by easy stages, stopping at many places of interest. One of the high-lights in flowers on their trip was the Capistrano Mission at old San Juan, established in 1776, where flowers from all over the world were on display and growing in profusion. They met Mr. Ballay at Palo Alta and Mrs. Lee at Tacoma, Washington, remaining over night at her home.

The action of the Society in affiliating with the American Dahlia Society and arranging for the BULLETIN to be sent every member, will certainly meet with the hearty approval of the members. This should prove a great incentive for every Dahlia grower in the state to join the Society.

Kansas City Dahlia Society

The Kansas City Dahlia Society met at Hotel Baltimore in Kansas City, January 16th. The details of the Second Annual Jubelesta Show in the new city auditorium were finally wound up. Then plans were started for our next Show in 1938. Our edition shows promise of making head lines in this section of the country for the Dahlia world. If we may brag a little, let us say it will be a good place to show those extra special Dahlias Mr. Commercial Grower. The show and class committees are already making places for this Show. We especially commend the Central States Dahlia Society on their Dahlia Futurity feature. This year a surplus root exchange was started among members of the Kansas City Society. All members wishing to list Dahlia roots sent in their lists, and one list was made of all available roots with the price each member asked for their Dahlia. When these lists were assembled we found quite a price range on several Dahlias. For example the low price for *Man O' War* was 35 cents and the high \$1.00 per tuber. We suspect some of our members like *Man O' War* better than others. This exchange may be profitable for the Society only if it functions well as an exchange. It operates on a 20% basis, the seller get 80 cents and the Society 20 cents on every dollar.

The report on exchange sales to date was \$40.40; total cost of operation \$15.34. There was discussion of the mission of our Society. This brought out the fact so many times overlooked, that "a Society succeeds only as it serves." Needless to say we started to lay plans to better serve. The Garden Clubs in our area need to know Dahlias better, and as they know them better will raise more Dahlias. We in turn will gain more members. To this end we will plan a Dahlia pamphlet on the culture of Dahlias, with suggestions as to varieties and types and their place in the garden, affiliation with the American Dahlia Society was voted on and approved. Coöperation of the Society was voted to our St. Joseph members (and we take off our hats to this bunch) in sponsoring a municipal Dahlia garden in St. Joseph, Missouri.

Our next meeting will be in March and it will be an important one. We have re-elected Mr. Lemmer as president and know we are in good hands.

Mrs. E. F. Kearney.

Strong PLANTS

YOUR CHOICE—SEVEN FOR \$5.00

Ballego's Surprise	Margrace
Broomall's Pink	M. J. Cross
Clara Carder	Miss Glory
Darcy Sainsbury	Miss West Virginia
Golden Standard	Prachtkerl
Haslerova	Royal Purchase
Lord of Autumn	Rudolf's Giant

Produced from the Finest Stocks

"Dan D Dahlias"

(JOSEPH STEELE)

Baldwin, N. Y.

Dahlia Society of Michigan

The March meeting was the best meeting we have held so far this year. Despite the stormy weather, over 150 people attended the showing of the "Tooker Movies," at the Hotel Statler. These pictures were well publicized through the newspapers and the radio, which accounted for the large attendance. We are sincerely indebted to Mr. Ernest Tooker for loaning the films and our people enjoyed a most pleasant evening.

Plans are well under way for the Mid West Show to be held in the General Motors Building Auditorium, September 24th-25th. Michigan is playing host to the Mid West this year, and we are glad to have the honor and pleasure. The secretaries of the affiliated societies have all been contacted, and they can plan on being regularly contacted from now until Show time. Michigan is playing host, but is not running the Show. We expect the 100% support of each of the nine affiliated societies in every way. A "dummy" premium schedule will be sent out for consideration to the different societies, and about June 1st, a mimeographed copy of the Premium Schedule will be sent out to all growers, amateurs and exhibitors, so they will know what the classes will be, and can plan and plant accordingly.

Our good friend and compatriot, Val Veirs of Canton, Ohio, is putting a lot of time on this Show, and pledges the support of the Ohio crowd, and a lot of other people whom he is contacting. What we need is nine more Val Veirs. We have the promise that the whole A. D. S. crowd will be with us (including the genial and handsome editor of the BULLETIN), and that alone is worth coming to the Show. In addition to these celebrities, we are quite sure of having in attendance such well known Dahlia men as J. W. Johnston, who writes for the magazine *House Beautiful*, and writes the well known *Dahlia Futurity*; Mr. Cordes from California, and many others, well known to all Dahlia fans.

We are trying to organize this Show so that it will run off as smooth as a production line, and if planning and working will do it, we should have a great Show. We have one of the finest locations in the country, we are surrounded with a large number of Dahlia growers, from the States of Ohio, West Virginia, Kentucky, Indiana, Illinois, Wisconsin, Minnesota, to say nothing of the wonderful growers we expect from Ontario, and you can bet your life they will be with us.

Outside of the A. D. S. Show in New York, we are betting on this being the outstanding Show of the year, and so plan your activities to make the Mid West Show at Detroit, September 24th-25th.

Bruce Collins.

IMPORTANT DATES

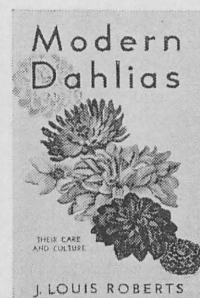
ANNUAL A.D.S. SHOW, NEW YORK
SEPTEMBER 20-21

FIFTH ANNUAL MID-WEST SHOW
DETROIT, SEPTEMBER 24-25

MODERN DAHLIAS

By J. Louis Roberts

Edited by Leonard Barron



The purpose of this book is to interpret step by step the problems of the Dahlia gardener. Mr. Roberts has been growing Dahlias for over twenty-five years and has written a modern manual for the home gardener that will answer all questions pertaining to Dahlia growing from his point of view. Illustrated by Natalie Harlan Davis. \$2.00.

Published by

Doubleday, Doran Outdoor
Books, Garden City, N. Y.

National Capitol Dahlia Society

The National Capital Dahlia Society at its December meeting elected the following officers: John L. Bishop, President; Dr. Charles C. Clark, Vice-President; Percy Fulton, Treasurer; Stephen James, Secretary.

The Society is progressing nicely now having a membership of approximately seventy, the prospects are exceedingly bright in bringing the Dahlia back into its rightful position as the queen of autumn flowers in this locality, we are looking forward to one of our best Dahlia years. The Society will hold its third "Annual Regional Dahlia Show" September 24th and 25th, at John Burroughs School Auditorium, 18th and Monroe Streets N. E., Washington, D. C.

SCHEDULE READY

The advance mimeographed schedule of the National Capitol Dahlia Society is ready for distribution to all growers interested in exhibiting at the National Capitol Dahlia Show on September 24th and 25th, at the John Burroughs School, 18th and Monroe Streets, Washington, D. C.

The schedule was prepared early so growers could plan their plantings and be prepared for the many sections and classes.

The printed schedule will be ready about two weeks before the Show, will be a real fine program, and is to be sold to Show visitors at 10 cents per copy. Advertising will be limited and growers interested in securing space should make reservations early.

Growers of seedlings will be especially interested in our new rules for seedling judging.

Copies of the advance schedules can be obtained from Stephen James, Secretary, Pan American Building, Washington, D. C.

Seedling Judging

The National Capitol Dahlia Society will introduce an innovation in seedling judging at their 1938 Show which

PRIZE WINNING DAHLIAS

Send for our list featuring many high class
prize winners

H. H. ROBENS

41 Hall Avenue

Chagrin Falls, Ohio

Affiliated Societies—Cont from page 27

follows the general pattern of the plan originated by Conrad Frey and tested so successfully at New York last fall, but with a few additional changes.

"Judges will enter the room individually, unaccompanied and select by number a first, second and third choice in each class, and also select a first, second and third choice from all undisminated Dahlias in competition for the American Home Achievement Medal, sign their ballots and hand them to the Show Chairman.

"In tabulating the ballots the committee will count three points for first choice, two for second and one for third. The Dahlia scoring the highest number of points in each class will be declared the winner in its class. The undisminated Dahlia scoring the highest number of points in competition for the achievement medal will be declared the winner."

John L. Bishop, President.

New Jersey Dahlia Society

At the Spring meeting of the New Jersey Dahlia Society, held at Newark, Saturday, April 2nd, plans were made and committees appointed for a Fall Flower Show, to be held at Summit the latter part of September. Mr. Edward Lloyd of Verona will serve as general chairman.

After a report of the exhibit of the Dahlia Society at the New York Flower Show, which told of the great interest displayed by several hundred people and the hundreds of questions asked about the growing of Dahlias, it was decided to appoint the chairman for next year's exhibit and make plans for it at once. Mrs. H. D. Thomas was appointed chairman.

The beautiful pencil drawing posters used in the exhibit, showing twelve principal types of Dahlias, were on display at this meeting and were greatly admired. These were the gift of Mrs. Charles H. Stout, to whom was given a rising vote of thanks for her valuable gift.

Announcement was made of the Spring conference and election of the New Jersey Garden Club, of which the Dahlia Society is a member, on April 11th, at Westfield, and Miss Virginia Stout, Miss Frances Hornfeck and Mrs. H. D. Thomas were appointed delegates. Flowers were directed to be sent to Mr. J. W. Johnston, former President of the Society, who is in a hospital in New York.

The members greatly enjoyed a description of the trip to South America of Mrs. Stout and Miss Virginia Stout in January and February, and the Dahlias seen there by Mrs. Stout. The feature of the meeting was a talk by Dr. B. P. Pepper of New Brunswick, N. J., on European Corn Borer, its habits and methods of control, followed

by a round table discussion on Planting and Growing Dahlias. It was after five o'clock when more than fifty members and friends turned their attention to refreshments and a social hour.

*Mrs. H. D. Thomas,
Paterson, N. J., Publicity.*

Ohio Valley Dahlia Association

Show dates for the O. V. D. A. exhibition will be October 1st and 2nd. The famous "Hall of Mirrors" with its adjoining exhibition halls will again provide the setting for this annual festivity. Numerous have been the fine experiences the Dahlia lovers have had showing their prize blooms to be "Ahed and Ohed" at by the public. The Netherland Plaza Hotel has exhibitions of different sorts but few if any put forth the grandeur and beauty such as the Dahlia Show is capable of accomplishing.

Schedules will be ready for distribution by the first of May. You are welcome to a copy on application to the Secretary. If you intend to exhibit at Cincinnati these schedules will aid you greatly in both growing the kind of Dahlias as well as showing them.

Harley T. Peck is the Show Chairman and he has surrounded himself with a host of capable men and women who together expect to put on the finest Show yet staged by the O. V. D. A.

The O. V. D. A. meritorious medal was much contested for in various Shows the past season. This fine medal will again be presented to Societies who will be privileged to incorporate it in their Show schedules. It seems that from the many fine letters received last year that the medal is held in high esteem. The requirement to win this award is not easy, yet not too difficult but what any Dahlia grower can gain its possession. Already several Societies have inquired regarding what is required to schedule this award. A letter addressed to the Secretary will enlighten you.

Many growers have reported that their stock of roots did not keep so well this winter. One thing that might be the reason is the premature freeze that cut short the usual season of growing, thus catching many clumps that were not mature. Then again, usually open winters such as experienced here in the Ohio valley tends toward crown rot. Truly there is a scarcity of some very good varieties. Inquiries from several sources verify the rumors which only received passing notice. Dahlias still challenge growers to their best efforts.

Might as well start early to guard against the certain onslaught of insects we so detest. Treatment of the roots before planting with Semesan will start you off right. Make it a regular and certain obligation to inspect your Dahlia garden weekly or oftener to detect the possible invasion of divers sorts of insects. Many insecticides on the market today will control the enemy but should be used with good judgment and at the right time. Putting off till tomorrow means grave losses. Prevention is the secret; it costs less. We hope that the new scheme of smoking the garden with a chemically treated taper will be available before the tarnish bug shows itself again.

QUEENS DAHLIA GARDENS

William Meshirer, Prop.

43-55 Robinson St., near 45th Ave., Flushing, N. Y.

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

Regular meetings of the O. V. D. A. feature a highly educational program and a splendid fellowship with people whose interests are in common. The doors are wide open for you to come and bring your friends. Colonel M. Y. Thomas still promotes good interesting evenings of entertainment which should be attended by every member.

Ohio News Notes

Spring paid a visit to Ohio in March. Flowers and fruit trees started blooming a month early, the leaves of the trees burst through their winter jackets, lawn mowers hummed in the neighborhood, and some of our less "calendar conscious" members spaded their Dahlia plots. BUT, now it is April. The ground is covered with snow; the wind is howling in from the north; and the robins have ceased their nest building to seek the shelter of buildings and shrubbery, to emerge only to feed on the crumbs tossed out for them by the kindly housewife.

Last night, April 8th, fifty of our members braved the inclement weather to attend the regular monthly meeting of the Dahlia Society of Ohio. Carlton Lowe of Lowe's Greenhouses, Chagrin Falls, was the speaker of the evening. His subject, "Cloth Houses and Lath Houses," was of particular interest at this time when so many of our members are toying with the notion of building a cover for their Dahlias. Mr. Lowe grows poms and miniatures in both types of houses for the wholesale flower market so his comments and comparisons were of more than usual interest.

It was announced that the May meeting, which falls on Friday the 13th would be our annual plant and root auction. Earlier in the year it was practically decided that since our treasury was in pretty fair shape we would not have this auction. When word got around that we would in all probability pass up this event this year so many expressed their disappointment it was decided to hold it. In the past "auction night" has been our best attended meeting of the year. We confidently expect that more than a hundred members and friends will turn out for this evening of hilarity and succession of bargains in Dahlias. Your correspondent has served as auctioneer at the past auctions with such thorough enjoyment that he will be on the block again this year unless someone chloroforms him or otherwise incapacitates him. Last year he kept going for a little more than three hours, with no more time out than it takes to gulp a glass of water between syllables. These auctions net the Society between one and two hundred dollars.

There is nothing new to report on our Show progress. Everything is going along on schedule but we do want to remind our readers that our Show dates are September 17th and 18th, and that the Show will again be in the air-conditioned ball room of Hotel Statler, Cleveland, Ohio. The undissemated, or seedling classes which have always strongly featured our Shows bids fair to be "tougher than ever." Here, at the "gateway between the east and mid west" you will be able to see the best from both of those great Dahlia sections competing in the same classes. It will be worth a long trip.

E. J. Wind, Rocky River, Ohio.

ALLING'S

BARGAIN COLLECTIONS

Five sturdy plants high class reliable varieties at rooted cuttings price. Jessica Dragonette, Hunt's Velvet Wonder, Haslarova, White Beauty, Anna Benedict. All five for \$2.75.

Six Dainty Pompons in Roots \$1.00. Amber Queen, Jessica, Little David, Snowclad, Rosebud, Yellow Gem.

Three Roots Ball Type Suitable for Exhibition, \$1.00. Mary Helen, Yo Yo, Supt. Amhryn.

Five Roots Single or Century Dahlias, unsurpassed for cutting; assorted colors, \$1.00.

Send our Our Illustrated Catalogue

C. Louis Alling

251 B, Court Street West Haven, Conn.

DAHLIAS

Portland Dahlia Society

At a recent meeting of the Portland Dahlia Society the following officers were elected for the current year:

President, Mr. M. C. Parker. First Vice-President, Mr. George O. Latimer. Second Vice-President, Mrs. Frances McCarter.

Board of Directors: Mrs. Charles L. Mastick, Mr. T. S. Griffing, Mr. W. G. Hannam.

The annual Show will be held September 27th-28th.

Peekskill Dahlia and Gladiolus Society

The annual dinner sponsored by this Society has again proven to be a successful get-together assembly of Dahlia and Gladiolus fans on the evening of February 8th in the Recreation Room of the Presbyterian Church of Peekskill, N. Y.

The ladies of the dinner committee accomplished a great job and are deserving of much credit toward the pleasure of the evening. Their artistic decorations of the tables was novel, predominating silvered foliage and red lighted candles.

After the welcoming address by President Harrington, Rev. Blackshear, pastor of the church, pronounced the invocation and the appetites were ready to go to work. This task satisfied, Master of Ceremonies "Eddie"

(Continued on following page)

MELROSE BABY (Liphart)

This neat little pompon is well named as no flower ever exceeds 2 inches. The color is a deep cherry red. Perfect formation and fine stem. Very early and free flowering. Certificate of Merit at Storrs, Connecticut, 1937.

Plants only \$1.50 net

FRASER'S DAHLIA GARDENS

WILLIMANTIC

CONNECTICUT

ROCKY RIVER DAHLIA GARDENS

28 page "DAHLIA BLUE BOOK" free

E. J. WIND

ROCKY RIVER, OHIO

Newest Varieties

The best European Dahlia Novelties as well as the leading standard varieties are listed in our illustrated catalogue. Write for it now.

GOEMANS-VISSER

HILLEGOM

HOLLAND

The American Peony Society

Has been in existence thirty-five years and the development of the modern peony is a result of their activities. Dahlias and peonies make good running mates as both are majestic flowers.

Quarterly bulletins of great interest and value are sent to members and are included in the membership dues of \$3.00 per year. A copy will be sent you if interested. A valuable Peony Manual is also available and is priced at \$3.15 delivered any place in the United States or Canada. Circular of contents mailed upon request.

ADDRESS ALL COMMUNICATIONS TO

American Peony Society

W. F. CHRISTMAN, SECRETARY

NORTHBROOK

ILLINOIS

Affiliated Societies—Cont. from page 29

O'Keefe called on the following speakers of the evening, the Messrs:

Lynn Dudley, President of the A. D. S., who spoke on the subject of Branch Societies.

Warren Maytrott, who introduced the revised official score card, explained the workings of official scoring.

Conrad Frey, who gave his versions of the latest introductions in a fashion that could not be misconstrued.

H. Dewey Mohr spoke on generalities and extended an invitation to male members of this Society to attend Dr. Bruce Preas's Stag Party in Garden City, L. I., on March 19th.

Frank Berry, Superintendent of Parks, Poughkeepsie, N. Y., spoke on growing Dahlias under cloth and the control of "red spider."

Among our guests were many Dahlia enthusiasts well known to the Dahlia fraternity, including Gordon Waaser, Editor of the BULLETIN, Edward Lloyd and other officials of the A. D. S. We always welcome a delegation from the American Dahlia Society and feel that they are really a part of our organization.

At this time we take pleasure in announcing the Show date of the Peekskill Show. Peekskill, N. Y., September 16, 1938.

Robert A. Vogel, Secretary-Treasurer.

Dahlia Society of Texas

BE IT RESOLVED, at a regular meeting of The Dahlia Society of Texas, Inc., held in Houston, Texas, on the 25th day of January, A. D. 1938, that there be inscribed in the minutes of the Society, in loving memory of W. H. Talley, the following:

Our first President, W. H. Talley, 53 years of age, died on the night of January 16, 1938. He was untiring in his efforts to further interest in the Society and in the growing of Dahlias. His work and enthusiasm in the growing of Dahlias and other flowers was an inspiration to all those who had the pleasure of knowing him. He was at all times unselfish and generous in his advice and help to others. The organization of this group was brought about largely through his industry and ability. His wide interest in Dahlias, and his acquaintance with Dahlia growers throughout the United States was of inestimable value to the Society. And his work in producing fine Dahlias from seed and his experiments in various methods of culture are especially commendable. The Dahlia, *Lady Von* which he recently patented and which has not yet been released for distribution is of particular note and of which the Society feels proud. He died when he was enjoying great usefulness and vigor and his loss is one that flower lovers and his host of friends everywhere regret.

BE IT FURTHER RESOLVED that a copy of this resolution be subscribed by the President and forwarded to Mrs. W. H. Talley and family as an expression of sympathy of the entire Society in their great bereavement.

BE IT FURTHER RESOLVED that a copy of this resolution be forwarded by the Secretary to the American Dahlia Society to be published in the next issue of the BULLETIN and that a copy also be forwarded to the *Mid West Dahlia News* to be published in the next issue of same.

BE IT FURTHER RESOLVED that Mrs. W. H. Talley be given a life membership in the Society.

The Dahlia Society of Texas, Inc.,

By B. L. Palmer, President.

I certify this to be a true and correct copy of a resolution passed at a regular meeting of the Society on the 25th day of January, A. D. 1938.

Mrs. Rose Hughes, Secretary.

Virginia Dahlia Society

The Virginia Dahlia Society held its annual meeting on February 4, 1938, at the home of Mr. J. A. Millard, 3803 Fauquier Avenue, at 8:00 P. M. A good attendance was present, and after the business of the year had been completed; which showed very good for 1937, the election of officers continued with the following results.

President, R. O. Smith, 3113 Barton Avenue, Richmond, Virginia. First Vice-President, H. A. Williams, 1518 Claremont Avenue. Second Vice-President, J. A. Millard, 3803 Fauquier Avenue. Third Vice-President, Dr. A. S. Brinkley, 5104 Cary Street Road. Secretary-Treasurer, E. Guy Williams, 3238 Woodrow Avenue. J. A. Millard, Editor, 3803 Fauquier Avenue, Richmond, Virginia.

These officers are always ready and willing to render any service possible to any visiting Dahlia growers, or members who may be in our city, and it will be a pleasure to extend us the courtesy of doing our part to make it pleasant for them by calling at these addresses.

The Society went on record as favoring a Show to be held on September 27th to October 1st, and plans are being made, to that end, and we are hoping for one of the best we have ever had, so keep this date in mind and if convenient visit the Virginia Dahlia Show in 1938.

The evening was very pleasantly spent, and refreshments were served and the meeting was adjourned until May 6, 1938.

E. Guy Williams, Secretary-Treasurer.

Washington Dahlia Society, Tacoma, Wash.

February Meeting

Owing to weather conditions, which kept many of our members home in January, no meeting was held that month.

There were a goodly number present February 3rd, at the home of Mr. and Mrs. Frank Dick, where a most enjoyable meeting was held.

Officers elected were: President, Mrs. J. W. Lee; First Vice-President, Mrs. J. A. Meneghel; Second Vice-President, Mr. Fred Robson; Secretary, Mrs. H. C. Cogswell; Treasurer, Mr. Francis Glanfield.

Executive Committee: Mr. H. C. Cogswell, Mrs. Glen Dunlap, Mr. C. W. Tryon.

(Continued on following page)

KILLS

BOTH SUCKING AND CHEWING INSECTS

COSTS LESS PER GALLON IN KILLING SOLUTION



Controls
LEAF HOPPERS
THRIPS—APHIDS
WHITE FLIES
And Many Other
Dahlia Pests

Why use two sprays—when Red Arrow Garden Spray will kill both sucking and chewing insects? And it's so easy to use. Simply mix with water—as you need it—no soap is necessary. Red Arrow is a concentrated pyrethrum solution. Economical to use, too. Spray dahlias thoroughly with Red Arrow—repeat treatment as often as necessary.

Will Not Discolor the Flowers

Red Arrow is absolutely non-poisonous to humans, animals and birds. Use it on vegetables—flowers—fruits. Ask for Red Arrow where you usually buy your garden supplies. Or write for circular containing spray chart.

McCORMICK & CO., INC., Baltimore, Md.
Manufacturers of Standardized
Pyrethrum and Derris Insecticide Products

NON-POISONOUS

RED ARROW GARDEN SPRAY

HIGHLY CONCENTRATED

1938 PRICE LIST 1938

FEATURES

5 Wonderful Color Collections at Prices to Suit
Present Conditions (Roots or Plants)

ALSO

THE RENOWNED NOVELTIES

MILDRED POTE

BOBBY CARROLL

MADAM KAI SHEK



You'll need them to compete for House Beautiful
Medal next Fall

Frederick E. Dixon
Phone Westfield 2-3125

Derrington Dahlias

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CORN BORER

CONTROL METHODS FOR DAHLIAS



DUAL-FIXED NICOTINE DUST

Start dusting when egg hatching begins — repeat at five day intervals. Early protection is essential. The first indication is wilting of new foliage and new blossom buds—usually in the early part of August.

**"BLACK
LEAF 50"**

50% Free Nicotine
for Making
Nicotine-Tannate Spray

If spraying is preferred use Nicotine-Tannate—prepared by combining "BLACK LEAF 50" (50% free nicotine) with Chinese Gallo-tannin—follow directions on the "BLACK LEAF 50" label.

TOBACCO BY-PRODUCTS & CHEMICAL CORP.
INCORPORATED LOUISVILLE, KY.

Affiliated Societies—Cont. from page 31

Regional Vice-Presidents: Mr. J. E. Hulin, Seattle; Mr. A. N. Kanouse, Olympia; Mr. G. A. Westgate, Vancouver; Mrs. S. H. Travis, Chehalis.

The Executive Committee were instructed to have the program for the Fall Dahlia Show ready for discussion at our next meeting; also the score card for the judges' use. Last year we had a class for the smaller decoratives, under seven inches, and we wish to include the smaller cactus types this year.

The members were asked to bring, or send in to the secretary, the list of Dahlias they grow, for classification as to type. So many times at the Shows members are confused as to which class a Dahlia should be entered. And judges are confronted with a fine Dahlia in the wrong class. We hope by open discussion to correct this trouble.

We find at the beginning of the new year that we have an increase of membership and a strong treasury and feel we should have a very successful year.

March Meeting

A good attendance at the home of Mr. and Mrs. J. A. Menghel, where the main business of the meeting was the Executive Committee's report on the program for the Fall Dahlia Show. Last year we made classes for the smaller type formal decoratives and informal decoratives, such as *Jersey's Beauty*, F. D., and *Nancy Robinson*, I. D. This year we will have the two classes for semi-cactus, also. We have the sizes read five to eight inches and eight inches or over, thus giving some of the smaller but very beautiful and useful Dahlias a chance to earn a blue ribbon.

Mr. A. N. Kanouse, our regional Vice-President of Olympia, was reported as having been very ill, but showing improvement and we sincerely hope he continues to improve as he is too valuable a man to be ill.

Mr. A. A. Ames, of Yakima, has consented to act as Regional Vice-President of that district and we are very glad to have such a fine Dahlia man on the job in eastern Washington.

Mrs. Lee brought a picture of her garden that was printed in a magazine in 1910. A fine row of Dahlias was very prominent.

The Show date was set for September 10th and 11th.

Mrs. H. C. Cogswell, Secretary,
9030 East D Street.

Western Pennsylvania Branch of the American Dahlia Society

Western Pennsylvania for years has been blessed with a large number of Dahlia growers, who, through self-consciousness, was content to exhibit their prize winning blooms in local neighborhood garden club Shows.

Year after year the majority of these growers would visit the outstanding Shows held in the east and mid west, then lament the fact they never had the opportunity to participate in a real Dahlia Show.

A certain group realized this could never be, without organization; contact was made with the American Dahlia Society, who generously sent Secretary Louis

Allying to Pittsburgh, Pennsylvania, to lend aid to such an organization.

This group immediately became a branch of the American Dahlia Society—in less than a year their membership totals over one hundred members and their dream of a real Dahlia Show in this territory is to be realized.

At a dinner meeting held Thursday evening, April 7, 1938, plans were laid for a Dahlia Show to be held in the Hotel Schenley, Saturday and Sunday, September 17 and 18, 1938.

President Jack Ripper, in appointing his committees, used wonderful foresight in his selections. Herman Rapp of Leetsdale, Pennsylvania, was named Show Manager. His committees are:

Show: J. A. Greubel, Chairman; William Buresch, Henry Retzer, A. E. Heil, John Fletchinger.

Schedule: Fred Clarke, Chairman; Hermann Rapp, Jack Ripper, C. W. Luebke, Carl Hogsett.

Publicity: I. C. Fleck, Chairman; Mrs. W. L. Hislop, Fred Fisher.

Program: J. G. Barry, Chairman; Rev. A. J. Stewart, W. L. Metcalf.

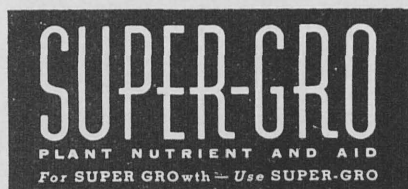
Membership: J. J. Englert, Jr., Chairman; John H. Lange, Henry Flath.

Ways and Means: R. Motznick, Chairman; L. H. Rasch, William Rath.

These committees are to be supported by the following representatives in each county:

Allegheny County, I. C. Fleck, Pittsburgh, Pennsylvania. Armstrong County, N. M. Heilman, Kittanning, Pennsylvania. Beaver County, Carl Hogsett, Beaver, Pennsylvania, and Henry Retzer, West Bridge-water, Pennsylvania. Butler County, Paul Weber, Butler, Pennsylvania. Cambria County, E. F. Dunmire, Salix, Pennsylvania. Fayette County, William Wagner, Connellsville, Pennsylvania. Greene County, H. C. Staggers, Waynesburg, Pennsylvania. Mercer County, F. V. Wray, Sharon, Pennsylvania. Venango County, Howell Brock, Meadville, Pennsylvania. Washington County, W. J. Gowern, Canonsburg, Pennsylvania, and John T.

NOW You, Too, Can Grow SUPER-BLOOMS With



DEVELOPED BY Dahlia growers, FOR Dahlia growers, SUPER-GRO has naturally achieved its most outstanding successes in this field. The fact that it has been equally effective with other tuberous plants, garden flowers, house plants, bulbs, trees, shrubs and vegetables further establishes its merit as a dependable all-around growing aid.

SUPER-GRO is not merely another "forcing" element but actually provides the necessary chemical ingredients for BALANCED growth—to increase proportionately the size and productivity of all plant life. It replaces needed chemicals which are often lacking or deficient in many soils.

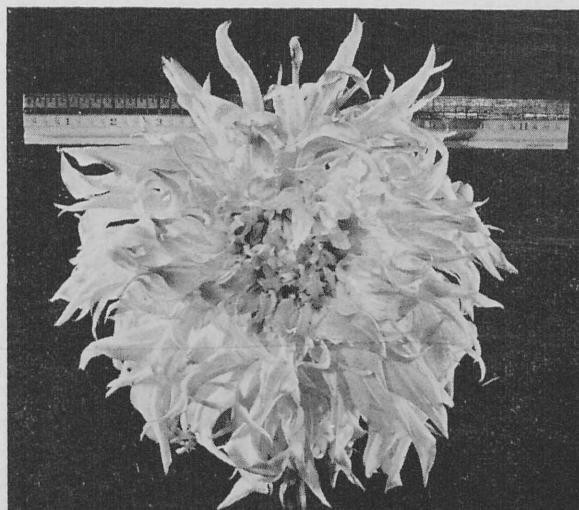
It is for Dahlia growers, particularly, that SUPER-GRO supplies a long felt need for a dependable growing medium. Growers report that SUPER-GRO not only produces larger blooms, sturdier foliage and root growth, but that it helps prevent stem rot. Tubers from SUPER-GRO treated plants winter exceptionally well, show remarkable improvement in the following year's growth both in size and firmness.

SUPER-GRO CHEMICAL CO.

858 Madison Building

623 North Second Street

Milwaukee, Wisconsin



IN 1936—FIRST PRIZE, best undissected semi-cactus Dahlia at 1936 International Horticulture Exhibition, Chicago; at Mid West Dahlia Show, Cincinnati, and at Wisconsin Dahlia Society Show; also best introduction at latter exhibit. Grown with the aid of SUPER-GRO!

IN 1937—"Dahlia Craft", new introduction by Modern Dahlia Gardens and winner of American Dahlia Society Medal at Chicago. Grown with the aid of SUPER-GRO!

RESULTS MUST PLEASE YOU!

You, too, can grow larger, more gorgeous blooms (yes, possible prize winners) with SUPER-GRO. One fluid ounce of concentrate produces a gallon of watering solution making SUPER-GRO an economical plant nutrient to use. It is sold only with the understanding that YOU must be satisfied with results or YOUR money will be cheerfully refunded.

Prepaid Price List

Highly concentrated SUPER-GRO Plant Nutrient and Aid (making the following sprinkling solution):

6 Oz. (makes 6 gallons)	\$1.00
1 Qt. (makes 32 gallons)	3.00
2 Qt. (makes 64 gallons)	5.00
4 Qt. (makes 128 gallons)	7.50



"The Art of Growing Exhibition Blooms"

With each introductory purchase of \$3.00 or more, we will include FREE a copy of DAHLIA CRAFT Magazine—a comprehensive, 32 page treatise on growing exhibition dahlias. If desired, check here ☐

I enclose 25c for a copy of "The Art of Growing Exhibition Blooms" ☐

SUPER-GRO CHEMICAL CO., 858 Madison Bldg., Milwaukee

As per price list, I enclose \$.....for which send me prepaid SUPER-GRO for.....gallon mix; also directions.

Signed..... Address.....

Town..... State.....

*Use the Choice
of Specialists*

CALCIUM NITRATE

Per 100 lb. bag, \$2.00

Per ton, 35.00

F.O.B. HICKSVILLE, N. Y.

NITROPHOSKA

15—30—15

Per 100 lb. bag, \$5.00

Per ton, 85.00

F.O.B. HICKSVILLE, N. Y.

We also carry a complete line
of commercial fertilizers. Write
for complete catalog.

WILLIAM KROEMER

DEPT. A
HICKSVILLE,

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NEW YORK

BEDFORD DAHLIA GARDEN

Roots

Rooted Cuttings

Plants

Finest Cactus and Decorative Dahlias, both
Foreign and American, are now available in
well rooted cuttings or sturdy plants. Many
excellent for cut flowers and exhibition.

Send for our descriptive catalogue

133 W. Glendale

Bedford, Ohio

I wish to notify those of you who have been sending
in for my 1938 Dahlia list that I have been waiting on
the printer to finish his job and am sorry you had to
wait so long. I am selling my roots for practically a
song, but it takes more than a song to have about 5,000
lists printed. Lists will be out shortly now. Thanks
for the requests.

JOHN TIERNEY

3452 Warsaw Avenue

Cincinnati, Ohio

Mastick

DAHLIAS

7830 A No. Denver Ave.
Portland, Oregon

Send for bargain catalogue, now ready

MRS. ALLA T. MASTICK

Affiliated Societies—Cont. from page 33

Tobin, Washington, Pennsylvania. Westmoreland County,
J. A. Greubel, Derry, Pennsylvania, and John Fletcher,
Greensburg, Pennsylvania.

Under present arrangements, the committees and rep-
resentatives will hold supper meetings monthly to iron
out any emergency that might develop. With the ele-
ments of weather in our favor, the Dahlia lover is in
for a treat.

West Virginia Dahlia Society

The dates for the 1938 West Virginia Dahlia Show
were announced at a recent meeting of the Society
which was held at Fairmont. The dates, as fixed at that
meeting, are Friday and Saturday, September 16th and
17th. The Show will be staged in the Ball Room of the
Hotel Fairmont. The Show slogan is "Plan and Plant
for the 1938 Show." This slogan is already being fol-
lowed and a most attractive Show is being anticipated.

The annual Show pageant, "THE COURT OF FLOWERS"
will be a feature of the 1938 Show. The pageant will
be written and delineated by Oliver Shurtleff, Secretary
of the State Society. The pageant to be presented will
be entitled "The Coming of the Dahlia; A Play for the
Queen." The pageant will be presented in the lobby of
the hotel.

The following Dahlia growers were awarded Certifi-
cates of Merit from the West Virginia Dahlia Society
Trial Grounds for the 1937 season: Premier Dahlia Gar-
dens; Toben and Frazee, two certificates; Dahliadel
Nurseries, two certificates and Midget Dahlia Gardens.
Thirty-three entries were planted in the West Virginia
Trial Gardens last year. These gardens are located on
the campus of Fairmont State College.

C. M. Roberts, Garden Superintendent, is already
planning for the 1938 season. This garden is open to all
legitimate Dahlia growers. Entry blanks are available
upon request. Flowers at the West Virginia Gardens
are judged by the Maytrott score card.

Due to conditions, over which the West Virginia
Dahlia Society could exercise no control, the Society will
not publish its annual Grower's and Buyer's Guide num-
ber of its Society Bulletin. The Society is loath to make
this announcement. It was either not publish or publish
so late as to make the Bulletin valueless as an advertising
medium. Out of fairness to our advertisers we decided
to postpone the publication of the State Bulletin. All
checks and money orders which have been received from
our clientele have been or will be returned. The West
Virginia Dahlia Society takes this method of thanking,
publicly, those who submitted articles and made space
reservations. Their coöperation is thoroughly appreciated.

The *House Beautiful* Dahlia Futurity Class has
been added to the premium list for the 1938 West Vir-
ginia Dahlia Show. This new class should make for
much keen competition in this and other Shows. The
West Virginia Dahlia Society is mighty glad to add this
very attractive new class to its premium list.

And come to Fairmont, September 16th and 17th.
You are invited.

Oliver Shurtleff, Secretary.

Dahlia Green Plants

Grown right. Priced right, and packed to reach you in good condition. Cometeer, Coronado, Gala California, Grand Master, Grand Marshal, Cherokee Brave and twenty-six other Honor Roll 1938 varieties.

Twenty-five new foreign varieties including Adolph Mayer, Freda George, Mme. Pezant and Enkart's Prima.

All listed in our Fourteenth Annual Rated Catalogue sent on request. Great reductions in plant prices.

Out of our 20 acre root crop we still have nice roots of most of the important older varieties.

We originated Queen City, Buckeye Glory and Buckeye Star, the three greatest cut flower Dahlias since Jersey's Beauty.

Golden Rule Dahlia Farm

HARLEY T. PECK & SONS

LEBANON

OHIO

Premier's Dependable Dahlias Money Saving Super Value Collections

YOUR CHOICE OF ANY SIX PLANTS
FROM BASE CUTTINGS FOR \$10.00

American Purity, Dean Anderson, Freckles, Freda George, Kentucky Sportsman, Kilgore's King, Lavender Edge, Mother Maytrott, Robert Ripley, Salem Streamline, Son of Satan and Volcano.

Any Six of the Following for \$4.00

Blue River, California Idol, California Rose, Clara Carder, Haslerova, Mrs. C. Groves, Mrs. H. O'Connor, Margrace, Tom Blackwood.

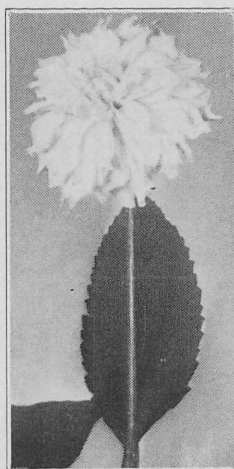
Premier Dahlia Gardens

(Growing Dahlias 20 years)

63 Mertz Avenue

HILLSIDE

NEW JERSEY



Pink Adorable, 1938. Sport of Adorable, identical except color. The Flower Grower, 1938. Hinch Lavender. Winner as best commercial. Also Certificate of Merit.

Write for List

Many new introductions, also the best of the older ones.

DIXIE DAHLIA GARDENS

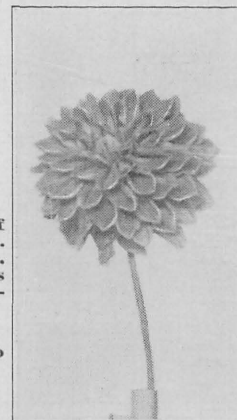
R. No. 2, Clio, Michigan

MRS. WM. S. KNUDSEN (left) Informal Decorative. White. Four firsts in the undisseeded classes. Certificate of Merit at East Lansing in 1937.

Roots \$8 net Plants \$3 net

MRS. C. E. WILDON (below) Formal Decorative. An improvement in the very large reds. Certificate of Merit at East Lansing 1937.

Roots \$8 net Plants \$3 net



ROTOTOX

THE ROTENONE-PENETROL SPRAY

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