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The *Camellia* Journal



'Dick Hardison' Camellia

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OF THE
American Camellia Society

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The Camellia Journal

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GIVE A GIFT OF MEMBERSHIPBC

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'Dick Hardison' is a large, red edged black, formal double C. japonica chance seedling, early to late. This 8 year old chance seedling was originated and propagated by Dick Hardison, Tallahassee, FL.



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FROM THE PRESIDENT



Arthur P. Landry

will benefit the whole Society. Our National Society will be stronger with strong local and regional societies.

One of our major priorities this year is the publication of a book on camellia culture to replace the out-of-print book edited by Feathers and Brown some years ago. Dave Scheibert and members of his Education Committee are coordinating this effort. We need a good book available for members to have as a reference which covers in some detail all major aspects of growing camellias. Some of the material in Feathers & Brown can be retained in the new book, some articles need to be brought up to date and some will be replaced with more current information learned since original publication. Give your recommendations and thoughts on the new book to Dave or members of his committee. We will appreciate your input.

I am pleased to announce that we are now able to begin development of the long discussed Environmental Garden. Several substantial donations and bequests received by ACS specifically designated for development of this garden now permit us to move forward. Plans are developed and construction should begin soon. The project includes a small lake in the area of our property that is subject to flooding, an educational building and plants and paths around the lake for the enjoyment and education of our members and visitors. School groups and other groups can use the garden as an outdoor classroom for various subjects, including camellias, of course. Funds have been reserved in the Development Fund to provide for annual maintenance of the Environmental Garden. This will be another great addition to our Headquarters complex which will attract visitors throughout the year and provide educational and enjoyment opportunities for members and visitors.

The May Journal listed the upcoming meetings of our three Regional Societies. I highly recommend you plan to attend the meetings in your area. They are excellent opportunities to get to know other camellia growers, learn what the experts are doing, and get the latest in camellia cultivars. The ACS Boards decided a couple of years ago to have their Fall board meeting each year in conjunction with the regional meetings on a rotating basis. This has proven to be an excellent way to exchange ideas and encourage support of both regional societies and ACS. We are looking forward to having our Board meetings in Fresno, CA coincident with the annual Camellia Rama in October of this year.

I appreciate the kind notes and comments I've received from our members. It is really encouraging to have your support and help in carrying out our ACS objectives. Keep those ideas and suggestions coming.



BASICS

FOR THE BEGINNER

Growing Camellias in Containers

Betty Hotchkiss

Camellias have been grown in containers for centuries. Historically, the Buddhist monks of China grew camellias in tubs in the courtyards of their monasteries. In ancient Japan, camellias were grown as bonsai in dwarf containers. The first camellias that came to the Western world from the Orient most likely traveled in containers and were grown in containers in the glasshouses of the wealthy. Although container culture of camellias has certainly changed over the years one can still assume from their long history of use that camellias do indeed adapt themselves very well to life in containers.

Why grow camellias in containers? To do it properly certainly involves more work than growing them in the ground. Growing camellias in containers allows for more flexibility in location and can be particularly good when the grower is limited in space to a small garden or patio area. Container growing of camellias is necessary in areas where the soil has very poor drainage or is other-

wise unsuitable for camellia culture in the ground. Growing in containers may also be necessary when the climate is too cold for outdoor culture of camellias during the winter months. Plants that are grown in containers are portable and may be moved from one location to another. They may be moved from a greenhouse or porch in the winter to a location outdoors in the summer. Finally, camellias that are grown in containers may receive individual care to suit their specific needs.

Containers for growing camellias have changed through the years. Early containers were most likely made of pottery. In recent years past, clay pots were very popular for growing camellias and other plants. One disadvantage to clay pots is that the soil dries out very quickly. They are also rather expensive, especially in larger sizes. Metal containers have also been popularly used. However, the bottom will eventually rust out after a number of years of use. Larger camellia plants have been grown in various

rot-resistant wooden tubs or containers. Although these are very attractive they can be quite expensive. Now, plastic pots have pretty much cornered the market for containers. They can be produced in various sizes, are inexpensive and lightweight. A poll of container growers revealed that all use plastic pots, mostly black, although one grower recommended white. Although many different kinds of pots can be used successfully it is of utmost importance that containers have drainage holes on the sides of the can near the bottom. A large container should have 4 - 6 holes. Some containers contain drain holes on the bottom of the can and these should be set up off the ground to allow for good drainage. Care should be taken to see that drain holes do not get plugged up. One new development regarding containers is the use of the Griffin Chemical Company product, Spin Out, as a paint on the interior walls of the container. This product helps to produce a more fibrous root sys-

tem and eliminate the spiraling effect of roots. (See article in 1996 ACS Yearbook).

A very serious consideration for container growers is the soil mix or growing media used for plants. Characteristically, the growing mix should provide good drainage but should also retain moisture and not dry out too quickly. It is very important for the plant to develop a good root system. Good drainage, whether in a container or in the ground, is an absolute necessity in the development of good roots. For years peat moss has been used as a major component of soil mixes for camellias. It's good qualities are that it retains moisture well, is lightweight, and is acidic. However, peat moss also breaks down with time and becomes dense and soggy. Many soil mixes have been used for camellias that contain peat moss in addition to other ingredients such as sand, wood shavings, soil, etc. Other organic materials are often used in mixes. These provide some nutrition for the plant as they decompose and also provide some open spaces for air. All organic material will eventually break down and need to be replenished. Inorganic materials such as perlite and sand are often used to help keep the mix loose, providing open spaces for air. Sand as a component will provide weight and some stability for containers which can easily blow over, especially when dry. Generally speaking, one should use a material that is easily available and provides the characteristics needed for a good potting mix. Recently in the Southeastern United States pine bark mixed with small amounts of sand has been widely used. The pH is then adjusted and fertilizer added to make this a good mix for camel-

lias. Camellias are tolerant of a range of pH from about 4.5 - 7. However, most growers generally agree that a pH of approximately 6 - 6.5 is optimum for camellias. Growers I contacted are using the following soil mixes for their potted camellias.

- 1) 80% 5/8 inch pine bark
20% river sand
cow manure, trace elements,
and lime
- 2) 3/4 pine bark
perlite
sandy top soil
- 3) 2/3 forest humus
1/3 sandy loam
(river bottom silt)
- 4) 3 parts fine pine bark
1 part sand
1/2 part soil
1/2 part loose peat moss
- 5) 50% peat moss
50% sandy loam

The container grower must decide how often to repot camellias. Some growers suggest repotting as often as every two years. Everyone agreed that repotting should be done as often as needed. This can be determined by how fast a plant dries out after watering. If the container dries out and needs watering every day then it is time to repot as the roots have reached maximum capacity. After a camellia has been in a pot for several years the organic components of the media begin the break down, drainage becomes poor and the root system begins to deteriorate. The plants should then be repotted into containers that are somewhat larger than those they are now in. However, plants should not be overpotted. This

can lead to problems with overwatering and overfertilizing. Repotting can be done at any time of the year except during the time of active new growth. Most growers will repot soon after blooming before new growth begins. When potting a camellia be careful not to plant too deeply. Plants should be placed with roots at the top of the container.

Fertilization of camellias in containers varies from grower to grower. Most soil mixes used are relatively void of nutrition and must have fertilizer added. There seem to be as many different fertilizer programs as there are container growers. Growers use what works for them. Slow release fertilizers are used widely for containerized plants and have become popular for camellias also. Organic fertilizers are also popular. These include cottonseed meal, blood meal and fish emulsion. Containerized plants are dependent on the grower for all nutritional needs. Organic material in the media also provides some nutrients for the plants but must be supplemented. Fertilizers need to be applied more frequently in containers as they leach out more quickly than in the soil. Some growers suggest fertilizing as often as every 30 - 45 days. Each grower should look for the program that fits his or her needs. There will be different needs according to soil mixes, size of containers, and climatic differences. It is always good to water both before and after fertilizing. Overfertilizing can be dangerous and growers should be cautious about this aspect of fertilization also.

Plants that are grown in containers are very sensitive to both heat and cold. When temperatures dip much below freezing containerized plants should be protected as tender roots will freeze. Hot weather

can also be hard on containerized plants. Direct sunlight on pots, especially black plastic, can damage tender roots. Plastic pots in colors other than black could help prevent this problem but they are harder to find.

Good drainage cannot be mentioned enough as a requirement for containerized plants. Watering should be thorough and deep, not allowing pots to dry out completely. Do not water light and shallow, this will encourage shallow roots. With plants in containers there is no surface runoff as in the ground so drainage is more important in this situation. Most people prefer to hand water containerized plants as there seem to be individual needs for each plant. However, if containers are about the same size and use the same media it may be possible to use a watering system. A system of some sort will save a lot of time and energy on the part of the grower. Overhead irrigation is good as it wets the foliage and washes leaves, especially during the summer months. It can also harm blooms during the winter months, however. Overhead irrigation may not water all plants evenly as water can be deflected by the top growth of the plants. It is also wasteful of water. Drip irrigation is a real water saver and

can be adequate for camellias. Small potted plants can be placed on a capillary mat where water is drawn up through the roots. This does not work well with larger plants. Find a system that works for you and stick with it.

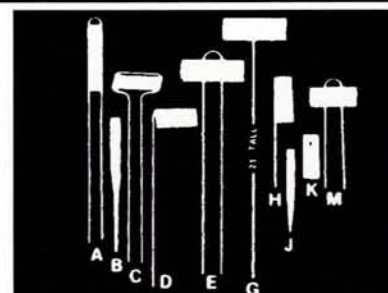
Container growers were asked about the advantages and disadvantages of growing camellias in containers. The main advantage expressed was the ability to grow lots of plants in a small area. Disadvantages include pots getting too hot in summer and too cold in winter, the need to water more often but not to overwater, slugs which enter the root ball through drain holes, and a problem with plants eventually getting too large and needing to be replaced with smaller ones.

A few words of wisdom from experienced container growers: Be selective. Don't buy every camellia you see because space quickly runs out. Do not put too small a plant into too large of a pot. Monitor your plants carefully to determine their needs. Each plant will have different needs and should be treated individually. Do not water all at once. Finally, get with a good grower and ask lots of questions.

Although growing camellias in containers can be more work than growing in the ground the results

can also be quite outstanding. The individual needs of each plant can be met by the grower and the blooms will reflect this special care. For those in marginal climates, containerized growing offers the opportunity to grow camellias where they will not survive out of doors. As a beginner, it will be up to you to determine if the results will compensate for the work involved.

Special thanks to the following growers who provided information: Huly Smith, Jim Pinkerton, Art Gonos, Fred Hahn, and Sergio Bracci. ❀



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Mario Perez, grandson of Ingrid and Paul DuBose, accompanied his grandparents to Massee Lane. Mario seems a good candidate for a future camellia grower.



Ingrid and Paul DuBose, Sheffner, Florida are shown with ACS Executive Director when they visited Massee Lane. They are active in the Tampa Bay Camellia Society and Paul is in the nursery business in Sheffner.



HOW GIBBERELIC ACID CAN BE USED IN CAMELLIA CULTURE

Gordon H. Goff

Lafayette, California

Member Camellia Research Committee, NCCS

All plants contain natural growth regulators which perform complex functions that are not fully understood. One of these growth regulators, gibberellins, was first investigated in 1950 in the U.S. The gibberellic acid form (commonly called "gib") was shown by North (1) in 1959 to have a special application to camellia culture. This finding excited camellia hobbyists into experimenting with gib with most of this activity occurring in the 1960s. This initial experimentation and recommendations for use with camellias is summarized by Goertz (2). Since then little new information has been added to our knowledge, but the technique of gibbing found at that time has become accepted as standard practice.

The purpose of this article is to report what members of the Northern California Camellia Research Committee have learned about gib over many years of practical experience and limited experimentation.

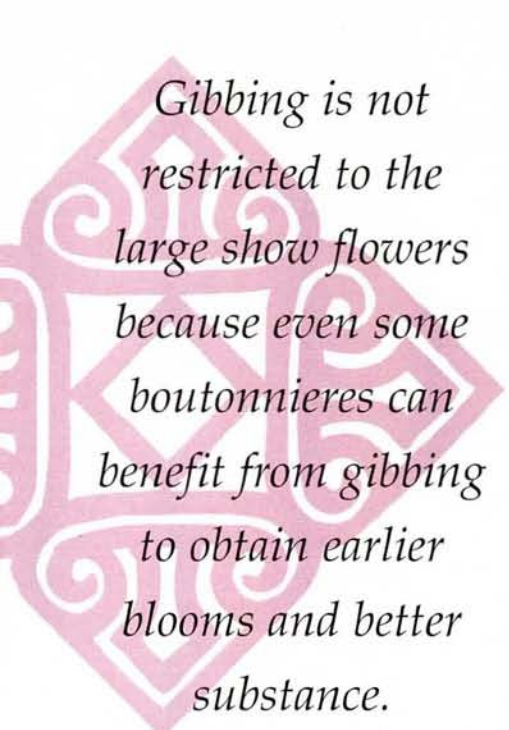
Most members of our Research Committee are major exhibitors in the Northern California Camellia shows which occur from February 1 to the end of March. All shows, except Sacramento on the first weekend of March, are open to gibbed flower entries in all categories. Sacramento is closed to gibbed entries except for a relatively small chemically treated section. We have found that gibbing offers sig-

nificant competitive advantage in these shows. This is definitely true in all the shows other than the Sacramento show. Perhaps there is even an indirect competitive advantage in Sacramento because the technically non-gibbed blooms are picked from plants that have been heavily gibbed earlier. (Residual gib in the system?) Gibbing is not restricted to the large show flowers because even some boutonnieres can benefit

from gibbing to obtain earlier blooms and better substance. The result is that members of our Research Committee have had a strong incentive to become "gib artists" and to learn as much as possible about the practical aspects of gibbing flowers to win trophies.

THEORY OF GIBBING TREATMENT

Before discussing the practical



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aspects, it may be well to review the latest theory as to why gibbing works as discussed by Peper (3). Day length and temperature are the most important factors regulating flower and vegetative growth because they can cause increase or decrease in plant growth regulators within the plant. There are other plant growth regulators besides gibberellins which interact in a complex manner in the overall growth cycle of the plant. This present discussion is limited to an oversimplified explanation of the relation of growth regulators to camellia flowering. Hot weather towards the end of summer causes camellias to go dormant with little or no vegetative growth and to set flower buds when the temperature is at least in the range of 68-86 F. The theory is that the relation between the two growth regulators, gibberellins and abscisic acid determines whether there is growth or dormancy. Hot weather increases the abscisic acid ratio to gibberellins. Blooming occurs in winter because a period of perhaps six weeks of cold weather (32- 50 F) is required to break dor-

mancy by increasing the ratio of gibberellins to abscisic acid. Gibberellins seem to signal the production of auxin growth regulator in the meristem (growing tip) which in turn causes growth to occur. Increase in day length after cold treatment also increases gibberellins.

Use of gib substitutes for the cold treatment required to initiate blooming under natural conditions. The clever technique of removing the growth bud and applying gib to the resulting cup beside the flower bud concentrates the growth effect of the auxin on the specific flower.

APPLICATION TO FLOWERS

Gib treatment can be used to initiate the bloom cycle. The bloom time is shortened to the extent that some natural cold treatment may have occurred already. Many of our friends in the southern U.S. gib in the early fall or late summer so that their shows can be held before the advent of severe cold weather and before petal blight season. This is said to have saved the popularity of growing camellias for many ACS members who would be discouraged otherwise. In Northern California we gib in late fall or early winter to prepare for our shows scheduled as indicated previously. Our bloom time after gibbing depends on how much natural cold treatment has occurred prior to gibbing and the average temperature in the period after gibbing. Our weather pattern seems to be highly variable from year to year with the result that the best schedule for gibbing must be reevaluated each camellia season. Usually only a rough estimation can be made for the bloom time for an individual

flower. Bloom time and bloom quality depend not only on weather factors such as temperature, amount of daylight and humidity conditions but also on the particular plant. Some of the plant factors involved are: early, midseason or late flower blooming characteristic; size and vigor of the plant; size and development of the bud to be gibbed and location of the gibbed bloom on the plant in relation to the associated meristem. Finally, it is possible that bloom time and bloom quality depend on the technique and material used for gibbing. Most of us on the Research Committee as well as many other camellia people have attempted to maintain extensive records concerning the bloom time and quality for individual flowers as a helpful aid in planning future gibbing activity. This information is of general interest but I do not consider it reliable because of the many variables involved. My general rule for this particular area and gibbing season is that a flower will bloom in 30-90 days after gibbing with 60 days being the average. This is a starting point which can be fine-tuned as desired. I normally gib heavily all during the month of December and then may do a little selective gibbing up until the middle of January. Others in the Research Committee tell me that they continue their gibbing into February. The quality of the resulting gibbed blooms is difficult to predict and can keep us in suspense right up to show time.

Gibbed flowers win at shows primarily because they are judged the most beautiful. This can be due to larger size as well as superiority in quality due to such characteristics as better substance, color and markings. The form is

generally acceptable but occasionally gib distorts the form by elongating it to the point where the flower is not worth entering. This is mentioned to indicate that gib does not always produce the best flowers as distortions in other characteristics beside form sometimes happen. We are all aware that non-gibbed flowers don't always bloom perfectly either under adverse cultural or weather conditions. In some cases gib can delay deterioration of flowers because it bulks them up to increase their substance. This is of importance in picking flowers early and storing in a refrigerator. Our best flowers seldom seem to bloom at a convenient time for the show and good storage characteristics are important.

The best quality blooms can be obtained only if gibbing is a supplement to good camellia culture. The root system must be strong, the plant healthy and vigorous and extensive disbudding practiced. I do not gib buds on one gallon size plants and very few on two gallons size plants. My larger plants are gibbed at the rate of 2-6 buds per week until about 3/4 of the total buds have been gibbed. Others on the Research Committee have gibbed all the buds on their large plants with no reported ill effects.

APPLICATION TO HYBRIDIZATION

Gib treatment has proven to be an excellent tool for hybridization efforts by our Research Committee. A gibbed flower tends to set seed more readily presumably because the sexual parts are better developed. I notice this when I hand pollinate a gibbed flower. Our "takes" seem to be greater even with difficult

crosses. My unpicked gibbed blooms reward me with many seed pods from open pollinations.

Seed germination can be speeded up by soaking the seeds in a weak solution of gib as described by Goertz (2). Seedling development is said to be speeded up by the use of continuous light together with gib to keep the plant from going dormant during its natural cycle. I would like to do more work along this line because I'm running out of time like most of us engaged in hybridization activity.

APPLICATION TO PROPAGATION

Use of gib offers a potential for decreasing the time required in the propagation of camellias but this application is not proven and more research needs to be done. Gib may be found useful for making summer grafts by breaking the dormancy of the root stock so that the scion doesn't just sit until the growing season arrives next spring. I would expect that gib should be applied initially to the rootstock only. After the graft is well callused, gib could be used to activate the growth of the scion. Camellia cuttings are often rooted in summer which would suggest that the use of gib might be appropriate. The cuttings should be rooted using the customary rooting hormones. After roots appear, gib could be used to stimulate growth of the upper part of the cutting by overcoming the summer dormancy. These are just two examples of what might be done using gib or gib in combination with other growth regulators.

GIBBING MATERIAL AND TECHNIQUE

Research Committee members have had two types of gib materi-

al readily available and both have been used to about the same extent with no clear choice apparent. These are ACS gibberellic acid in powder form and ProGibb from Abbott Laboratories, which is 4 % gibberellic acid dissolved in alcohol solution.

ACS provides a good source of gib at 90% purity but it is a nuisance to have to dissolve and adjust to the desired concentration. Gibberellic acid is insoluble in water so a basic material must be used to form the soluble salt. ACS directions supplied with their gib recommend the use of household non-foaming ammonia (1-4 drops maximum for 1 gram of gib). I found these directions not applicable in my case as the household ammonia sold in this area is only 2% ammonium hydroxide and considerably more than four drops is required to dissolve the gib. The correct amount of ammonia is that required to cause all of the solid crystals to dissolve completely with much shaking or stirring involved. All material will eventually dissolve leaving no residue to be filtered,

Gib treatment has proven to be an excellent tool for hybridization efforts by our Research Committee. A gibbed flower tends to set seed more readily presumably because the sexual parts are better developed.

provided that distilled water is used to obtain the desired dilution before adding the ammonia. If a pH meter or pH paper is available, it will be found the initial pH is 2.5-3 and the final pH is 7-7.5. I do not use household ammonia myself because it contains detergent and other additives besides being weak. Instead I have a supply of chemical grade ammonium hydroxide and also a supply of potassium hydroxide that I use interchangeably to dissolve gib.

ProGibb has the advantage of ease of use as only dilution with distilled water is required. No refrigeration is necessary whereas refrigeration is said to be necessary for ACS gib once it is dissolved. It should be emphasized that ProGibb and ACS gib represent two quite different products and cannot be compared only on the basis of ease of use. ProGibb has a pH of 5-6 as compared to a pH of 7 for ACS gib properly dissolved. ProGibb is gib acid in alcohol solution and dissolved ACS gib is gib salt in aqueous solution. The questions must be asked: Which type of gib is the most effective for our purposes and also are there any possible side effects which can harm the camellia plants either in the short term or long term?

As previously stated, I don't know the answer about what type of gib to be used. A previous study was performed by Wilson (4) in which six formulations of 1% gib were tested on six camellia varieties. His conclusion was that the alcohol solution of gib and the sodium salt of gib were less effective than the use of ammonium, potassium or calcium salts of gib. He did not consider the differences among the latter three to be of statistical significance.

However, the data indicate a slight superiority for the calcium salt. On the other hand, my opinion is that the whole study may be statistically uncertain because of too few tests and because of a possible bias in selecting the buds (size and location) on each plant. Another experiment should be run as a check.

What concentration of gib should be used? In nature minute quantities of gib are supplied and accomplish the task. In agricultural applications of gib, such as for producing larger grapes, typical



*[Gibberellic acid]
enables us to produce
the super flowers
that previous
generations could
only dream about.*

doses are in the range of 5-40 PPM (parts per million). However, in camellia gibbing cost is not a major factor and we are anxious to obtain the best results possible. Consequently we tend to use the highest concentrations of gib that we can manage without harm to the flower or plant. The original recommended concentration was under 10,000 PPM then this became 10,000-20,000 PPM as the standard with the higher value chosen more often. I surveyed the members of the Research Committee and found that all use

2% (20,000 PPM) or higher concentrations.

Every year when I gib I carry on an incidental testing program that I hope may improve my knowledge about the mysteries of gib. Last season I chose to test 1% ACS gib, 2.5% ACS gib and 3% ProGibb. The latter two concentrations were recommended by two eminent gibbers on the Research Committee based on their experience. I started out by gibbing simultaneously two buds on each plant with 2.5% ACS gib and 3% ProGibb. This was done during the first three weeks in December, then for the last two weeks I switched to 1% gib and 2.5% gib. The assumption was that less gib is required after some cold treatment has occurred. For each bud gibbed (more than 1500) I punched a hole in the adjacent leaf and wrote a code on the leaf indicating the date and type of gib used. As each flower bloomed I observed it and noted the associated gib data. Unfortunately I did not have time to record the data or to do other than make superficial observations as my time was fully occupied with preparation for camellia shows. I was looking for major differences in flower bloom time or quality or for possible patterns in these characteristics. Nothing was found that was sufficiently outstanding to attract my attention. All types of gib seemed to work equally well for me and the results did not appear much different than the previous year when I tested 2% ACS gib and 2% ProGibb. My conclusion is that I am not missing much in my gibbing if I stick with the normal 1-2% gib concentrations with either type of gib material.

Application of gib is done as described in the ACS gib direc-

tions by breaking out the growth bud besides the floral bud. The resulting cup space is filled with gib solution which enters the plant slowly. I believe that this step in the procedure is vitally important as it must result in the maximum amount of gib solution entering the plant system, otherwise the gib is not fully effective. One difficulty encountered is that not all broken growth buds leave a cup adequate to hold gib. Either the indentation is small or the orientation is such that the gib drains out. Also rainy weather that we get in December tends to wash the gib away. I have attempted to overcome this problem by using a small awl (sharp point with handle) to enlarge the cup and passage into the plant before gibbing. An ACS squeeze bottle is used to inject a drop of gib into the plant through this hole. This takes a little extra time, but more time is wasted if you gib ineffectively and do not obtain the desired results.

Our foremost gibber on the Research Committee has been accused of regibbing his flowers because of his outstanding success at shows. He denies this and I have no reason to doubt him. I tried gibbing some flowers a second time about two or three weeks after the first gibbing to see if it made a difference. No major improvement was noted and no further work has been done since.

The above information about gib-related activities of the NCCS Research Committee indicates the importance of gib to us. Gibberellic acid is one of the marvelous tools for camellia culture that has been placed at our disposal. It enables us to produce the super flowers that previous generations could only dream about. The material is readily available to

everyone, relatively inexpensive and not difficult to use. Its use in producing early flowers and better flowers has been proven over many years so that everyone should feel comfortable in using gib to increase their enjoyment of camellias. We feel fortunate in Northern California that the use of gib has been accepted so that most of our shows are open to gib. Thus we are able to take advantage of this scientific advance in plant technology to improve our flowers for exhibition both in shows and in our gardens. However, as this paper has shown, there is still much to learn about gib, especially applications in hybridization and in propagation. There remains the exciting possibility that gibberellic acid treatment is only a first step in our biotech knowledge. Other growth regulators, as yet unexplored for camellias, also may be discovered to have beneficial applications for our hobby.

REFERENCES

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A.C.S. Gib

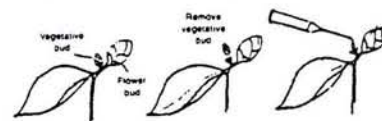
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REPORT ON ATTEMPTS TO INFECT CAMELLIA TISSUES WITH *Agrobacterium tumefaciens*

Amber M. Shults,
Melissa Sprenne,
and Janice H. Haldeman
Erskine College

*The ultimate
goal of this research
would be a camellia
that is resistant
to the blossom
blight fungus.*

The American Camellia Society currently supports research toward development of a genetic engineering system for camellias. Plant genes that are responsible for resistance to fungal diseases have already been identified and placed into cells of plants, giving them the desired resistance. The ultimate goal of this research would be a camellia that is resistant to the blossom blight fungus.

Presently, the use of a bacterium, *Agrobacterium tumefaciens* is the most successful method for insertion of desirable genes into plants. *Agrobacterium tumefaciens* is the crown gall disease soil bacterium that causes tumors to form on plants. Theoretically, a fungus resistance gene could be placed into the bacterium *Agrobacterium tumefaciens*, and upon infection of

the plant by this bacterium, the resistance gene would be inserted into the plant. This process is termed transformation. First, infection of camellia cells by *A. tumefaciens* must be accomplished.

One common method used in order to insert genes into plants is to produce callus, a mass of undifferentiated cells, from some part of the plant. It is at the callus stage that the plant would be infected and desirable genes inserted. The callus must then be capable of regenerating the entire plant from these undifferentiated cells. To date, callus has been produced from petals, leaf disks, and stem sections of *Camellia japonica* and *Camellia sasanqua*. Callus produced from tissue culture of *C. japonica* petals has demonstrated organogenesis, the regeneration of organs such as roots and stems, after being placed on Anderson's Rhododendron medium containing the plant hormones kinetin 2,4-D. Other tissue sources are currently being tested for organogenesis.

Once a regeneration system is established, possibilities for using the bacterial vector, *Agrobacterium tumefaciens*, was investigated. Two methods are being investigated to determine if camellias can be infected by *A. tumefaciens*. The first is to use a pathogenic strain, one that is capable of causing a tumor, and the second uses a disarmed strain with a marker gene, one that is not capable of causing a tumor. With the disarmed strain, the marker gene is used to determine if the desired gene is present. Thus far, pathogenic strains being tested were obtained from Stephen K. Farrand at the University of Illinois, and the disarmed strains were obtained from Stanton Gelvin at Purdue University.

The protocol used for infection during experiments was to first induce the virulence genes in the *A. tumefaciens* using a medium containing the chemical acetosyringone. The bacteria were then spun down and re-suspended in tissue culture medium. In order to inoculate the camellias, the tissue pieces were shaken in the medium with the bacteria for two days. After two days the tissue pieces were rinsed with a medium containing the antibiotic cefotaxime, and the pieces were grown on solid medium containing cefotaxime.

The tissue pieces exposed to pathogenic strains of bacteria were placed onto a medium without plant hormones. If the tissue was infected, it should be able to survive on a medium without hormones. If the tissue was not infected, it should die on a medium without hormones.

The tissue pieces exposed to disarmed strains were tested after 2-10 days with a solution called X-gluc. If the tissue was infected, it should be capable of producing an enzyme that breaks down a chemical in the X-gluc solution, resulting in a deep blue color. If the tissue was not infected, the X-gluc solution should remain clear.

Petal callus, leaf disks, and stem segments have been inoculated with *A. tumefaciens*. Both the pathogenic strains and disarmed strains of *A. tumefaciens* demonstrated negative results for infection with all of the tissue types inoculated to date. Currently more tissue types are being investigated for infection potential. Isolates from a suspected field tumor of *C. japonica* are being identified to determine if they are *A. tumefaciens*. A strain of the

bacterium which already infects camellias naturally could prove to be the best candidate to accomplish transformation for camellias. In response to the request that camellia growers be on the lookout for plants with tumor-like growths on the stem near the ground, one specimen from Dr. Frits Morsink has been received and bacteria have been isolated from the tissue. The investigators hope that other growers will find such tumors and contact us. ❀



Visitors admire the porcelain sculptures in the showcase in the Fetterman Building. The tall sculpture, the Ivory-billed Woodpecker is over five feet tall and Mr. Boehm considered this his masterpiece. To the left, you will note the Crested-crowned Cranes by Gunther Granget. Works from many studios are represented at Massee Lane.



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ATLANTIC COAST CAMELLIA SOCIETY AND JUDGING SCHOOL

October 17-18, 1997

Sand Castle Motel,
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Phone (704) 846-2245 Fred Hahn

In connection with the Annual Meeting of the Atlantic Coast Camellia Society, a Judging School is planned. This is an excellent opportunity for the Novice Judge to attend as well as the ACS Accredited Judge to

renew. Call Fred Hahn (704) 846-2245 for information about the school or annual meeting. The Sand Castle rate is \$48.00 per room plus tax. **A Deposit Must be Made to the Sand Castle by July 1, 1997.**

CAMELLIA RAMA

October 31 - Nov 2

Fresno, CA
Phone (209) 439-2228
Art Gonos

Camellia Rama continues to be a very special weekend. Those attending have excellent educational opportunities as well as great hospitality and fellowship. If you have not attended put

Camellia Rama on your "must do" list. For more information phone Art Gonos at (209) 439-2228. The ACS Boards will meet at Camellia Rama on Friday, October 31.

Publication Deadlines

JOURNALS

February IssueDecember 1

May IssueMarch 1

August IssueJune 1

November IssueSeptember 15

YEARBOOK

September 1

Material received after the above dates often cannot be added. Please cooperate so that the publications may be mailed as scheduled.

Educational Material Available

FACT SHEETS

These fifteen sheets each describe a different topic relating to camellia culture. They are excellent for new members or to hand out at camellia shows, workshops, etc. Each sheet has been updated this year. The format is 8 1/2 X 11 inches front and back. The price is \$.25 each. Multiple copies may be made for distribution. Topics are as follows:

- 1.....Good Garden Varieties
- 2.....Planting and Care of Camellias
- 3.....Pruning and Disbudding of Camellias
- 4.....Disease Problems of Camellias
- 5.....Gibbing Camellias
- 6.....Grafting Camellias
- 7.....Air Layering
- 8.....Insects and Pests of Camellias
- 9.....Propagating Camellias by Cuttings and Seed
- 10.....Fundamentals of Breeding Camellias
- 11.....Cold Hardy Camellias
- 12.....Container Culture of Camellias
- 13.....Greenhouse Culture of Camellias
- 14.....History of Camellias
- 15.....Very Cold Hardy Camellias

Also available are 2 handouts with color photos of either camellia diseases or insects. These sell for \$1.00 each.

SLIDE SETS

Each year ACS offers slide sets for use by individual members or various local camellia societies, garden clubs, etc. Each program covers a different topic relating to camellias. Generally, each set contains 40 - 80 slides with a written description of each slide.

Each slide set is mailed USPS First Class and is sent approximately 10 days prior to the date requested. Slides will be reserved on a first-come, first-serve basis. We suggest a \$10 donation to cover postage and handling and to

help with the cost of duplicating slides, etc. We ask that you return these slides to us the day after the program as many slide sets are used more than once during a season.

1. POPULAR LANDSCAPE CAMELLIAS - Features varieties that grow and bloom well in outdoor plantings in hardiness zones 7B, 8, and 9.

2. NEW VARIETIES - Revised each year this slide set includes all new varieties that have been registered in the past year as well as the recent past. Text provides information about the originator, parents of the new variety if known, as well as information about bloom characteristics.

3. JUDGES HAVE SPOKEN - Featuring varieties which were top show winners during the 1996-97 camellia show season. Taken from the Yearbook article.

4. CAMELLIA FAMILIES - This slide set illustrates some of the great camellia "families" including 'Betty Sheffield', 'Tomorrow', and 'Elegans'.

5. FAVORITES OF THE HYBRIDIZERS - Camellia hybridizers throughout the U.S. were polled about **their** favorite camellia introductions.

6. AWARD WINNING CAMELLIAS - This slide set contains slides of all ACS National Camellia Award winners.

7. HISTORICAL CAMELLIAS - Features camellia varieties that are at least 50 years old or older and are still popular today.

8. GIBBING CAMELLIAS - Small set with only 20 slides. Describes the use of gibberellic acid on camellias to produce earlier and larger blooms. Good set for the novice grower.

9. GRAFTING CAMELLIAS - The how-to's of cleft grafting camellias is featured in this slide set. Articles are also included on cutting grafts and grafting large plants.

10. PESTS AND DISEASES OF CAMELLIAS - Illustrates the most common problems associated with growing camellias. Will help both the novice and experienced grower to identify camellia troubles.

11. MASSEE LANE GARDENS - Highlights of Massee Lane Gardens, headquarters of the American Camellia Society are featured in this set.

12. POPULAR CAMELLIAS FROM OTHER COUNTRIES - Camellia growers from other countries describe the top 5 - 10 camellias grown in their area.

13. CAMELLIA GARDENS IN THE U.S. - This set features some of the major gardens in the United States which grow camellias.

14. DIVERSITY OF THE CAMELLIA - Various flower forms, colors, and sizes will all be included in this set which demonstrates the great diversity of camellia flowers.

15. CAMELLIA PERSONALITIES - This slide set features various camellias which have been named for outstanding personalities in the camellia world both living and dead. Blossoms are fully described.

16. CAMELLIAS NAMED FOR FAMOUS PEOPLE OR CHARACTERS - Featuring many camellias named throughout the years for famous politicians, actors, fictional characters, etc. Each flower is described.





Massee Lane Gardens has been selected as a benefit recipient in the Theatre Macon 1997-98 season. The benefit performance will be held Sunday, September 14 at 2:30 p.m. As the benefit recipient, Massee Lane Gardens will receive all box office receipts for this matinee performance minus a small overhead to

cover the royalties and playbill cost only. A benefit recipient is selected for one performance of each play that is presented by Theatre Macon. We are honored to have been chosen for the first play of the season.

Theatre Macon will present the comedy, "Sylvia", written by A.P. Gurney. Local members may remember Gurney's play "Love Letters", which was presented by the Peach Area Civic Theater as a part of the 1994 Camellia Festival. This play is a modern romantic comedy about a marriage and a dog named Sylvia. Greg, a middle age husband, adopts a street-smart dog who quickly becomes a rival for his affection, at least according to his wife,

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Kate. "Sylvia" has been described as howlingly funny as well as both touching and profound.

Tickets for the play should be purchased from Massee Lane Gardens. Ticket prices are \$12 for adults, \$10 for seniors, and \$7 for students and will be available in late August. We will also be glad to mail tickets. The Theater is located at 438 Cherry Street in downtown Macon. All local members are encouraged to take advantage of this special offer to support ACS while being entertained. To order tickets or to receive further information contact:

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CAMELLIAS REGISTERED WITH THE ACS



(Since the May 1997 Journal)

<u>NAME AND DESCRIPTION</u>	<u>REG. #</u>	<u>ORIGINATOR</u>
' Snowmist ', miniature, white, single <i>C. japonica</i> chance seedling, early to mid-season	2405	No. Calif. Cam. Soc.
' Deanna J. ', large, rose blush, peony to rose form double, <i>C. japonica</i> chance seedling, early to late	2406	O. L. Jacobson
' Junie Lancaster ', medium, light red, anemone form, <i>C. japonica</i> chance seedling, early	2407	Dr. J. M. Habel, Jr.
' Grace Albritton Red ', small, red, formal double, <i>C. japonica</i> sport of 'Grace Albritton', mid-season	2408	Capt. Douglas Simon
' Sue Green ', medium, white shading to sweetpea pink, anemone form, <i>C. japonica</i> chance seedling, early to mid-season	2409	Dr. J. M. Habel, Jr.
' Tubby Habel ', large, dark red "mahogany" with dark veins, semidouble to anemone form, <i>C. japonica</i> chance seedling, late	2410	Dr. J. M. Habel, Jr.
' Les Marbury Red ', small, red, formal double, <i>C. japonica</i> chance seedling, mid-season to late	2411	Dr. J. M. Habel, Jr.
' Diane Krauel ', medium, light pink center to dark pink on edges, semidouble, <i>C. japonica</i> chance seedling, early to mid-season	2412	Mary E. Krauel
' Judge Stout ', medium to large, very light pink inner petals with outer petals edged dark pink, semidouble, <i>C. japonica</i> chance seedling, mid-season	2413	William C. Stout
' C. C. Crutcher ', large, dark red, semidouble <i>C. japonica</i> ('Pirate's Gold' x 'San Dimas'), mid-season	2414	Roscoe Dean
' Daphne T. ', medium, white, semidouble, <i>C. japonica</i> chance seedling, mid-season	2415	Charles T. Elliott, Sr.

- 'Elizabeth Glunt'** (Solid & Var.), miniature, rose pink -
sometimes variegated white with rose pink stripes,
formal double *C. japonica* chance seedling, mid-season2416Charles T. Elliott, Sr.
- 'Pat Pinkerton'**, very large, dark red, semidouble,
C. reticulata ('Arch of Triumph' x ['Crimson Robe'
x *C. lutchuensis*]), mid-season to late2417Frank Pursel
- 'Mr. J. D.'**, medium, dark red, loose peony form, *C. japonica*
chance seedling, mid-season.....2418Charles T. Elliott, Sr.
- 'Billie Rountree'**, medium white striped red, loose peony form,
C. japonica chance seedling, mid-season to late2419Charles T. Elliott, Sr.
- 'Minnie Beasley Smith'**, large, white striped and blotched red,
peony form *C. japonica* chance seedling, early to mid season.....2420LaRose Smith
- 'Emil's Jane'**, miniature, rose red, anemone form *C. japonica*
chance seedling, early to mid-season2421Dr. Emil Carroll
- 'Earl Smith'**, large, red, semidouble *C. japonica*
chance seedling, mid-season.....2422LaRose Smith
- 'Squadron Leader Astin'**, small, white, semidouble *C. japonica*
chance seedling, very late2423Dr. Phil C. Astin, Jr.
- 'Lavinia Lane Rountree'**, large, white, loose peony, *C. japonica*
chance seedling, early to late2424Jean Peacock
- 'Katie Shipley'**, very large, bright red, peony form *C. reticulata*
('Craig Clark' x 'Jean Pursel'), mid-season to late2425Dr. Walter F. Homeyer, Jr.
- 'Wendi Brown King'**, medium, pale blush pink, peony form
C. japonica chance seedling, early to mid-season2426Alma Brown
- 'Kitty's Favorite Var.'**, medium, pink mottled white, formal double,
C. japonica ('Front Queen' x Variety Z), late.....2427Dr. William L. Ackerman
- 'Coach Tom Osborne'**, very large, red, semidouble *C. reticulata* hybrid
(retic. seedling x unknown japonica seedling),
early to mid-season2428Albert E. Buchholz
- 'Amanda Mandarich'**, large, Roseine Purple, semidouble,
C. reticulata ('Carl Tourje', x 'Lilette Witman'), mid-season.....2429Jack L. Mandarich
- 'Papricka'**, very large, spiraea red, semidouble, *C. reticulata*
('Lilette Witman' x 'Nuccio's Ruby'), early to late2430Jack L. Mandarich
- 'Pete Galli'**, very large, cardinal red, semidouble *C. reticulata*
('Crimson Robe' x 'Mouchang') early to late2431Jack L. Mandarich
- 'Mrs. H. C. Rambath'**, very large, rose red, semidouble
C. reticulata ('Mouchang' x 'Crimson Robe'),
mid-season to late.....2432Jack L. Mandarich

- 'Howard Burnette'**, very large, currant red, semidouble
C. reticulata ('Crimson Robe' x 'Nuccio's Ruby')
 early to late2433Jack L. Mandarich
- 'Winter's Star Light'**, medium, white to blush pink - some
 lightly flecked pink, single, *C. hybrid* (*C. hybrid*
 'Frost Prince' x *C. hiemalis*) - sport of 'Winter's Star',
 early to mid-season2434Bond Nursery Corp.
- 'Winter Rouge'**, medium, not pink, semidouble, *C. hybrid*
C. oleifera x *C. sasanqua*), early2435Tom Dodd Nurseries
- 'Linden Hill'**, small, pale pink with some red stripes, formal double,
C. japonica chance seedling of 'Magnoliaeflora', late2436Helen Hill
- 'Dick Hardison'**, large, red edged black, formal double,
C. japonica chance seedling, early to late2437Dick P. Hardison
- 'Agnes Morris'**, miniature, light pink, rose form double,
C. sasanqua chance seedling, early2438Mr. & Mrs. Walter L. Morris

CHANGE IN DESCRIPTION OF 'PEGGY'S BLUSH', ACS REG. #2220:

Change size from "medium" to "small to medium".

CORRECTION:

ACS Reg. #2394 - 'Carolina Moonmist' - Change originator to J. C. Raulston

ACS Reg. #2396 - 'Sweetie Pie' - Change originator to Dale Fitzgerald

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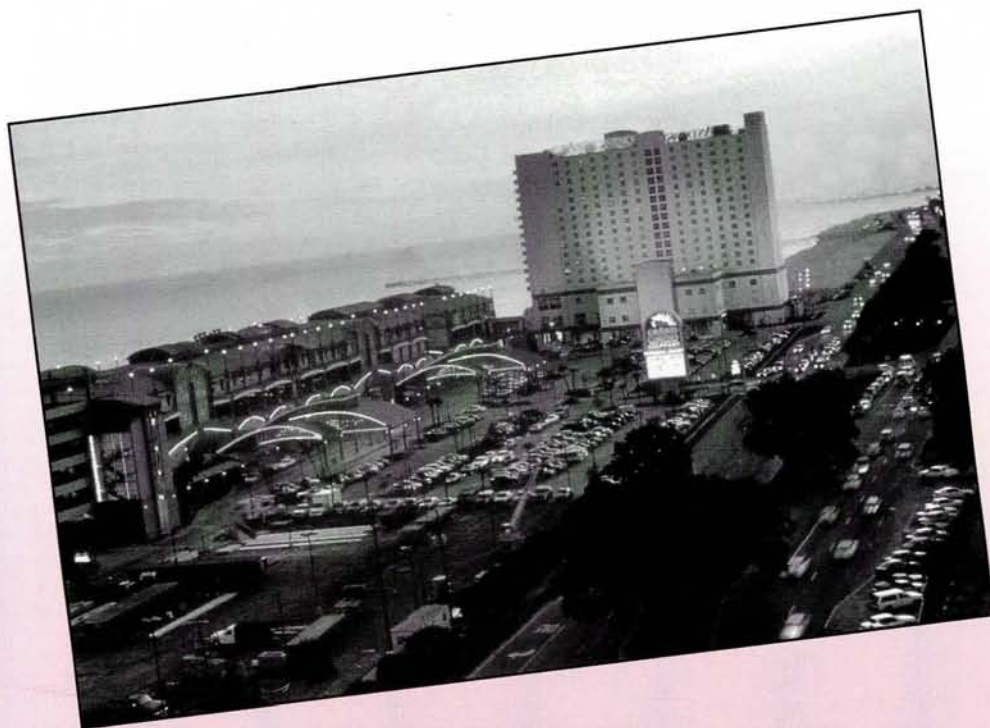
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The members of the Mississippi Gulf Coast Camellia Society extend a warm personal invitation to all of you attending the 1998 American Camellia Society Convention.

Although not nearly as large as cities where the recent ACS Conventions have been held, the adjoining cities of Biloxi and Gulfport will provide an outstanding area to host the convention. Biloxi with an approximate population of 50,000 is the older of the two and celebrates its Tricentennial in 1999. This makes it one of the oldest permanent settlements in the United States. Gulfport, whose population is approximately 72,000, is only about a hundred years old. Historically

different through the years, they are now one continuous metropolitan area because of the casino industry. Since the advent of the casino, the Mississippi Gulf Coast has experienced phenomenal growth. High rise hotels have provided thousands of excellent quality rooms. Current construction will provide an additional like number.

The convention hotel, Grand Casino Hotel Gulfport, is an outstanding beach front resort. You will be able to experience the beauty of the Mississippi Sound right outside your room. The beach, itself, is unique. Sand was dredged from the shallow waters of the Gulf to construct a beach a hundred yards wide and a distance of twenty-six miles long. This perhaps, qualifies it as the longest man made beach in the world.

Excellent restaurants abound along the coast, and we've picked one of the best for the Friday night dinner, Mary Mahoney's, which is housed in an 18th Century structure.

Yes, a unique restaurant that will provide you a memorable experience. After dinner you may look forward to live entertainment at the Grand Theatre.

The shallow waters of the Gulf between the beach and



COAST Welcomes YOU!

barrier islands, located 8-12 miles offshore, are rich in nutrients and provide a plentiful harvest for the local seafood industry. The Maritime and Seafood Industry Museum chronicles the evolution of the seafood industry. The Scott Marine Education Center contains a 42,000 gallon tank which is the largest aquarium in the state. In it swims sharks, turtles, sting rays, and various species of fish - marine life native to the Gulf of Mexico. Both are scheduled to be visited.

You will visit a bygone era at the last home of the only President of the Confederate States. Beauvoir is the beautiful residence where Jefferson Davis lived, worked, and entertained the notables of his day. You may stroll the grounds of the seaside estate where he found peace and serenity and where hundreds of Confederate soldiers spent their last days. For those of you who have experienced the devastating hurricanes the last few years, you may truly appreciate this structure since it withstood the ravages of Hurricane Camille with its 200 MPH winds.

Other points of interest will be the Gulf Coast Winery and the Gulfport Banana Terminal. At the winery, one may sample the flavor of Mississippi's favorite Muscadine wines.

Gulfport has excellent port facilities. One unique aspect of the port is that it has become one of the top banana importing areas in the U.S. Ships loaded with containers of bananas pull

dockside and unload the entire shipment in a very short time. Each container is lowered onto a waiting truck, bolted down, permitting the truck to depart after a few minutes.

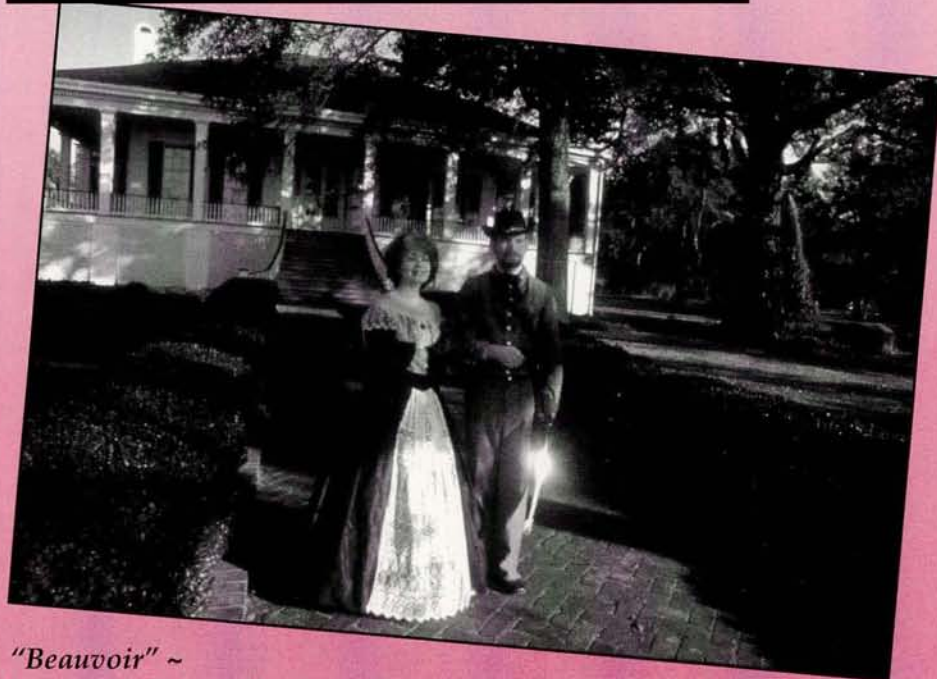
Convention attendees driving to the Mississippi Gulf Coast will experience no trouble locating the hotel headquarters, since it is on Highway 90 which parallels the beach. Attendees flying to

the Convention will surely appreciate the proximity of the Gulfport-Biloxi Regional Airport to the Grand Hotel requiring only a few minutes of travel.

Although the ACS Convention is still a few months away, we are excited about you attending and we fully intend to make your stay a most pleasant, memorable experience. ✦



*Grand
Casino
Theater*



*"Beauvoir" ~
home of Jefferson Davis.*

GRAND CASINO HOTEL

Gulfport, MS

Hosted by Mississippi Gulf Coast Camellia Society

T E N T A T I V E S C H E D U L E

WEDNESDAY, JANUARY 28

9:00 a.m. - 2:00 p.m. Judging School (if needed) \$15
 9:00 a.m. - 11:00 a.m. Registration at Grand Hotel Lobby
 10:00 a.m. - 12:00 noon ACS Board Meeting
 12:15 - 1:15 p.m. Lunch
 1:30 p.m. - 4:30 p.m. ACS Development Board Meeting
 5:30 p.m. - 6:30 p.m. Hospitality Hour
 (Dinner on your own)

THURSDAY, JANUARY 29

7:00 a.m. - 8:30 a.m. Breakfast at Hotel
 9:00 a.m. - 11:00 a.m. Registration in Grand Hotel Lobby
 7:00 a.m. - 10:00 a.m. Enter Show Blooms, Charles
 Walker Community Center
 Camellia Show Judging
 10:30 a.m. - 12:30 p.m.
 12:30 p.m. - 1:45 p.m.
 2:00 p.m. - 5:00 p.m. Camellia Show opens to the public
 5:30 p.m. Buses depart for D'Iberville Civic
 Center
 6:00 p.m. - 7:00 p.m. Hospitality Hour
 7:00 p.m. - 9:00 p.m. Dinner & Entertainment
 9:15 p.m. Buses return to Grand Hotel

FRIDAY, JANUARY 30

7:00 - 8:30 a.m. Breakfast at Hotel
 8:00 a.m. - 9:00 a.m. Registration
 9:00 a.m. Bus departs for visit to Scott
 Marine Education Center, Seafood
 Museum & Mardi Gras Museum
 12:00 noon Lunch at McElroy's Harbor House
 1:30 p.m. Board bus for Tour of George Ohr
 Museum and Beauvoir
 4:00 p.m. Bus returns to hotel
 5:30 p.m. Bus departs for dinner at Mary
 Mahoney's
 7:45 p.m. Bus departs for Grand Theatre -
 Show at 8:00 p.m.
 9:45 p.m. Buses return to hotel

SATURDAY, JANUARY 31

7:00 a.m. - 8:00 a.m. Breakfast at Hotel
 9:00 a.m. Buses depart for Banana Terminal
 & Gulfport Winery
 11:30 a.m. Buses return to Hotel
 12:00 noon Lunch at The Bananas Buffet
 (Grand)
 1:30 p.m. Educational Program at Hotel
 4:30 p.m.
 6:00 - 7:00 p.m. Hospitality time at Hotel
 7:30 p.m. Farewell Banquet at Grand Hotel
 with Awards & presentations,
 (Raffle drawings for 30 one year
 Camellia grafts)

1998 CONVENTION REGISTRATION

Full Convention: Before January 1, 1998\$210.00 *Per Person*
 After January 1, 1998\$245.00
 Each Day: Wednesday, January 28\$25.00
 Thursday, January 29\$55.00
 Friday, January 30\$85.00
 Saturday, January 31\$80.00

REGISTRATION FORM

ACS CONVENTION - GULFPORT, MS
 JANUARY 28-31, 1998

Full Convention\$210
 After 1/1/98\$245

Judging School
 Wednesday, January 28, 1998\$15 _____

Wed. Jan. 28 \$25 _____ Fri. Jan. 30 \$85 _____
 Thurs. Jan. 29 \$55 _____ Sat. Jan. 31 \$80 _____

Name _____

Phone _____

Address _____

City/State/Zip _____

Name Tag(s) to Read _____

Mail this form & Check to:

Roger Bush, Convention Treasurer
 13880 Gulf Haven Road, Gulfport, MS 39503

Please make hotel reservations directly with:

GRAND CASINO GULFPORT HOTEL
 3215 West Beach Blvd., Gulfport, MS 39501
 1-800-354-2450 or (601) 870-7777

MISSISSIPPI GULF COAST CAMELLIA SOCIETY JANUARY 29-30, 1998

Division A (Protected)

Class 1: Japonicas

Most Outstanding Bloom
Best Large/Very Large Bloom
& Runner-up
Best Medium/Large Bloom
& Runner-up
Best Medium Bloom & Runner-up
Best Small Bloom & Runner-up
Best Miniature Bloom & Runner-up
Best White Bloom

Class 2: Reticulata/Reticulata Hybrids

Best Large/Very Large Bloom
& Runner-up
Best Medium or Smaller Bloom
& Runner-up

Class 3: Non-Retic Hybrids

Best Large/Very Large Bloom
& Runner-up
Best Medium or Smaller Bloom
& Runner-up

Class 4: Trays

Japonicas - Best Tray of 3
(Same Variety)
Japonicas - Best Tray of 3
(Different Varieties)
Retics - Best Tray of 3 (Same Variety)
Non-Retic Hybrids - Best Tray
of 3 (Same Variety)

Division B (Unprotected)

Class 5: Japonicas

Best Large/Very Large Bloom
& Runner-up
Best Medium/Large Bloom
& Runner-up
Best Medium Bloom & Runner-up
Best Small Bloom & Runner-up
Best Miniature Bloom & Runner-up
Best White

Class 6: Retic/Retic Hybrids

Best Retic/Retic Hybrid Bloom
& Runner-up

Class 7: Non-Retic Hybrids

Best Non-Retic Hybrid Bloom
& Runner-up

Class 8: Blooms Grown on Mississippi Gulf Coast (*Hancock, Harrison, & Jackson Counties*)

Best Very Large Bloom
Best Large Bloom
Best Medium/Large Bloom
Best Medium Bloom
Best Small Bloom
Best Miniature Bloom

Division C

Amateur or Commercial Grower (Indicate Whether Grown Protected, Unprotected, Chemically Treated, or Untreated)

Seedlings
Mutations

Special ACS Awards

1. Arminta Cawood Award - Best Camellia Japonica Bloom in Show
2. Frances Shannon Racoff Award - Best Formal Double Japonica Bloom
3. Australian Research Award - Best Bloom of Australian Origin
4. Evelyn Abendroth Award - Best 'Rachel Tarpy' Bloom

Division D

Artistic Arrangements

1. Tricolor Award
2. Creativity Award

ADDITIONAL JUDGES APPOINTED AND RECERTIFIED JUDGES

Terms of Judges & Novice Judges listed herein expire December 31, 2001.

CALIFORNIA

Auburn:

Ralph G. Celestre, Jr.

GEORGIA

Waycross:

Lois H. Groszmann

SOUTH CAROLINA

Aiken:

Mrs. H. C. Scott

Terms of Judges & Novice Judges listed herein expire December 31, 2002.

ALABAMA

Birmingham:

Louise Poe Hairston

DISTRICT OF COLUMBIA

Washington:

Don V. Harris, Jr. (Judge Emeritus)

NORTH CAROLINA

Clinton:

Annabelle L. Fetterman

Lewis M. Fetterman

Smithfield:

Sadie Aycock Lyon

CALIFORNIA

Alameda:

Lois R. Roberts

C. Adair Roberts

Bakersfield:

Dr. Richard A. Stiern

Citrus Heights:

Elmer F. Achterberg

Cloverdale:

Jim Grant (Judge Emeritus)

Folsom:

Robert C. Adrian (Judge Emeritus)

Fresno:

Wilbur V. Ray

Jack P. Woo

Modesto:

Barbara O. Butler (Judge Emeritus)

Rancho Palos Verdes:

Helen Gates (Novice)

San Clemente:

Harry D. Gobrecht

San Diego:

James W. Watson (Judge Emeritus)

Walnut Creek:

Jerry Miller (Novice)

FLORIDA

Gainesville:

Dr. Jerry Hogsette

Jacksonville:

Gail R. Reese

Robert R. Reese

Jacksonville Beach:

O. L. Jacobson

Pensacola:

Peggy J. Applegate

Dr. Don E. Applegate

John K. Edwards, Jr.

Jim Newell

Gordon G. Wesley

Plymouth:

Jerry K. Conrad

Tallahassee:

Gayle Lawrence (Novice)

Steve Lawrence (Novice)

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Aiken:

Marie W. Dahlen

Paul A. Dahlen

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Jim Pinkerton

Patricia (Pat) Pinkerton

Ninety Six:

Mildred S. Robertson

William C. Robertson

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Nashville:

Jane J. Griffin

George N. Griffin

TEXAS

Kilgore:

David S. Rubin

Port Neches:

Lois Boudreaux

Dudley P. Boudreaux

JUDGING SCHOOLS

A Judging School will be held on Friday, October 17 from 9:00 am until 2:45 pm in conjunction with the Atlantic Coast Camellia Society Convention. The Judging School will be taught by Hulyn Smith and Betty Hotchkiss. It will be held in Myrtle Beach at the Elks Club. Cost for the school will be \$15 and will include lunch. ACS members who are interested in becoming Novice Judges or Novice Judges who would like to become Accredited Judges should sign up. Also, all Accredited Judges who need to update their accreditation for five more years should plan to attend the school. To register for the Judging School contact: Mr. Fred Hahn, 4437 McKee Road, Charlotte, NC 28270, (704) 846-2245.

A Judging School will be held at Masee Lane Gardens on Friday, November 7 from 9:00 am until 3:00 pm. if there is demand. This will be the weekend of the Middle Georgia Camellia Society Annual Show. The cost will be \$15 and will include lunch. To register contact Betty Hotchkiss at ACS Headquarters.

50th Anniversary Campaign

(As of June 12, 1997)

Charlotte Camellia Society

Mr. Richard Frank

Estate of Douglas Deane Hall

Sustaining/ It. Sustaining

(Since the May 1997 Journal)

Mr. & Mrs. Jim Pinkerton
Lugoff, SC

•

Ms. Winifred Diane Price
Bartow, FL

•

Mr. & Mrs. Charles VanderBulck
Savannah, GA

Special Gifts

(As of June 12, 1997)



**Friends at Camellia Society
Headquarters**

Happy 95th Birthday -
Mrs. Estelle V. Sewell

Mrs. Ann Blair Brown
Camellia Flower Holder

Mrs. Hinton Christian
"Flower Arrangements of the
Ohara School" for Library

Mr. Jim Darden
Camellia Plants

Mr. Tom Dodd
"The Camellia"
by Urquhart Press for Library

Mr. and Mrs. Fred G. Hahn
Camellia Flag

Mr. and Mrs. Eric E. Hall
Gardening Publications

Mrs. J. Davidson Heriot
Honoring Dr. Herbert Racoff

Mr. and Mrs. Jim Pinkerton
Get Well for Mrs. John
(Sandra Austin) Penny

Region 3 WBCCI
Honorarium Betty Hotchkiss

Sherrie and Lorry Schrage
Honoring Muriel and Dan
Nathan's Wedding
Anniversary

Mr. Jim Smith
Camellia Plants to be sold
at the ACS Gift Shop

Doris and Clyde Stewart
Eight Boehm North American
Owl Plates

Yorkshire Garden Club
Honoring Dr. Herbert Racoff

Memorials

(As of June 12, 1997)

Mr. Louis Betker

Mound View, Minnesota

The Pensacola Camellia Club, Inc.

Mrs. Beulah B. Bobe

Panama City, Florida

Jean and Carol Comber

Dr. and Mrs. Jerome A. Hogsette

Mrs. Mini Bracci

California

Mr. and Mrs. Thomas Hughes

Mr. Elliott P. Brogden, Sr.

Columbia, South Carolina

Kathryn and Carl Allen

Ruth and Gus Arnold

Atlantic Coast Camellia Society

Mrs. Ann Blair Brown

The Charlotte Camellia Society

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Mr. and Mrs. Paul W. Dahlen

Kevin and Jane Robertson Davis

Mr. and Mrs. Rupert E. Drews

Mrs. Helen M. Emerson

Mr. and Mrs. Lewis Fetterman

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Clara & Fred Hahn

Shirley and Tom Knox

Mrs. J. L. McClintock, Jr.

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Mr. and Mrs. Jim Pinkerton

Mr. and Mrs. Thomas E. Powers

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W. H. and Leona Rish

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Donna and Bill Shepherd

Mrs. Pearl R. Terry

U. S. Army Area Dental Laboratory

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Ms. Gertrude Green

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Oregon Camellia Society

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The Woodlands, Texas

Kathryn and Carl Allen

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Jean and Carol Comber

Coushatta Camellia Society

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Mrs. Estelle V. Sewell

1997-1999 American Camellia Society

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(510) 934-6117



The Experimental Camellia Garden *of Bon Air Park, Arlington, Virginia*

William L. Ackerman *

*B*on Air Park, a facility of Arlington County, Virginia, is located at 850 North Lexington Street, off the Wilson Boulevard, Arlington, VA. Already the site of extensive rose and azalea gardens in the early 1980's, it became an ideal location for a camellia experimental garden.

It was upon the recommendation of Mr. Jerry Hill, also of Arlington, that we, of the Camellia Society of the Potomac Valley (CSPV) first became aware of Bon Air Park and its possibilities. As it turned out, this hill side location provided excellent soil and air drainage and the presence of an overstory of large conifer and deciduous trees.



Through a cooperative arrangement involving CSPV members and Mr. Tony Ruth, of the Arlington County Park Division, a group of ninety-four camellia plants were planted in April 1985, intermingled among existing azaleas. The plants consisted of eighteen plant introductions from

a collection made off the West Coast of Korea, and seventy-six spring and fall-blooming hybrids the author had developed for cold hardiness testing.

During the past twelve years, CSPV members Jerry Hill, Bill Miller, and I have examined the plants most years during the

spring and fall, observing plant injury where present, and flower quality. As the planting has matured, with a number of the plants reaching six to eight feet in height, it has become of considerable attraction to visitors in the area, but is still relatively unknown outside the county.



Figure 1. (facing page) Entrance, Bon Air Park, Arlington, Virginia

Figure 2. (left) Along the pathway in Bon Air Park

Figure 3. (below) Bon Air Park - Jerry Hill (left) and Bill Miller, examining camellias.



The first registered selection from the collection was named for Jerry Hill* as a small tribute to his essential participation in the establishment of the collection and the annual surveys over the years. At the present time, three other seedling selections are under propagation and consideration for naming and release.

Encouraged by the outstanding performance of the Bon Air Park collection, earlier this year CSPV sponsored the planting of thirty-six cultivars that were added to

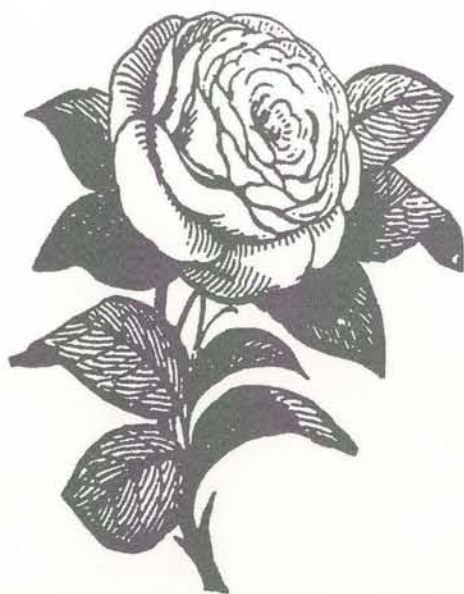
the collection. These plants had been selected by a CSPV committee, consisting of Arthur Maryott, Bill Miller and myself, as commercial cultivars that had proven their adaptation to our climatic conditions during past decades. It is anticipated that the collection will continue to be expanded in the future as space allows.

We strongly feel that this Bon

Air Park collection has the makings of an outstanding example of what can be done here north of the Camellia Belt, considering that at the time of its planting, growing camellias in this area was thought to be hazardous to their health. ❀

* Dr. Ackerman, Research Horticulturist (Retired) Agricultural Research Service, United States Department of Agriculture.

* See 1995 ACS Yearbook, page 6.



FOR SALE

CAMELLIA SEED

from

Massee Lane Gardens

Camellia japonica – 100 for \$12.00

Camellia sasanqua – 100 for \$12.00

Mail check to American Camellia Society
One Massee Lane, Fort Valley, Georgia 31030

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The President of the American Camellia Society and the Executive Director are members of each Committee.

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SHOW DATES

(ACS Cooperative Shows)

Place, Location, Sponsor

Date

*Columbia, SC; SC State Fair; Mid-Carolina Camellia Society	October 3-4, 1997
*This show is being held on Friday & Saturday.	
Perry, GA; Georgia National Fair - Agricenter; Middle Georgia Camellia Society	October 11-12, 1997
Fort Walton Beach, FL; Westwood Retirement Center; Fort Walton Beach Camellia Society	November 8, 1997
Chesapeake, VA; Chesapeake Square Mall; Virginia Camellia Society	November 8, 1997
Fort Valley, GA; Massee Lane Gardens; Middle Georgia Camellia Society	November 8-9, 1997
Valdosta, GA; Valdosta Garden Center; Valdosta Camellia Society & First State Bank & Trust	November 15-16, 1997
Waycross, GA; Suntrust Bank of SE GA; Federated Garden Clubs of Waycross	November 19-20, 1997
West Monroe, LA; Glenwood Medical Mall, Thomas Road; Northeast Louisiana Camellia Club	November 22, 1997
Brookhaven, MS; State Bank & Trust Company; Brookhaven Camellia Society	November 29, 1997
Jacksonville, FL; Mandarin Garden Club; Camellia Society of North Florida	December 6, 1997
Slidell, LA; Slidell Municipal Auditorium; Ozone Camellia Club	December 6, 1997
Albany, GA; Albany Mall; Men's Garden Club of Albany	December 6, 1997
Jacksonville Beach, FL; Island of Beaches Camellia Society	December 6-7, 1997
Apopka, FL; Fran Carlton Center; Apopka Parks Department	December 13-14, 1997
Pensacola, FL; The Wright Place; Pensacola Camellia Club	December 13-14, 1997
Lafayette, LA; Holiday Inn Central; South Louisiana Camellia Society	December 13-14, 1997
Tampa, FL; Florida State Fair Grounds, Horticulture Building; Tampa Bay Area Camellia Society	January 10, 1998
Gainesville, FL; Oaks Mall; Gainesville Camellia Society	January 10-11, 1998
Tallahassee, FL; Tallahassee Mall; Camellia & Garden Club of Tallahassee	January 10-11, 1998

Orlando, FL; Leu Gardens; Camellia Society of Central FloridaJanuary 17-18, 1998

Aiken, SC; Aiken Mall; Aiken Camellia ClubJanuary 17-18, 1998

Charleston, SC; Citadel Mall; Coastal Carolina Camellia Society and
Citadel Mall Merchants Assn.....January 24, 1998

Thomasville, GA; Thomasville Garden Center, Thomasville Garden ClubJanuary 24, 1998

Lakeland, FL; Garden Club of Lakeland; Lakeland Camellia SocietyJanuary 24-25, 1998

Ocala, FL; Appleton Culture Center; Ocala Camellia SocietyJanuary 24-25, 1998

Baton Rouge, LA; Baton Rouge Camellia ClubJanuary 24-25, 1998

Gulfport, MS; Charles Walker Community Center; Gulf Coast Camellia SocietyJanuary 29-30, 1998

Tuscaloosa, AL; West Alabama Camellia ClubJan. 31-Feb. 1, 1998

Tampa, FL; Florida State Fair Grounds, Horticulture Building;
Tampa Bay Area Camellia SocietyFebruary 7, 1998

Deland, FL; First Presbyterian Church, 724 N. Woodland Blvd.;
Volusia County Camellia Society.....February 7-8, 1998

White Springs, FL; Stephen Foster State Folk Culture Center; Stephen Foster
State Folk Culture Center.....February 7-8, 1998

Pineville, North Carolina; Carolina Place Mall;
Charlotte Camellia SocietyFebruary 7-8, 1998.

Columbia, SC; Columbia Mall; Columbia Mall Merchants
Assn. & Mid-Carolina Camellia SocietyFebruary 14-15, 1998

Warner Robins, GA; Houston Mall; Middle Georgia Camellia SocietyFebruary 28, 1998

Chesapeake, VA; Chesapeake Square Mall; Virginia Camellia SocietyMarch 28, 1998

(If your show date does not appear in this listing, send it to ACS Headquarters before September 1 for inclusion in the November issue of The Camellia Journal.)

Future Meetings of the *American Camellia Society*

JANUARY 28-31, 1998 SPRING 2000
Mississippi Gulf Coast Massee Lane Gardens
Camellia Society
2001
MARCH 3-6, 1999 Virginia Camellia
Sacramento, CA Society

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SHOW REPORTS

(Reports of ACS Cooperative Shows. In each report, the words *C. reticulata* include those hybrids with *C. reticulata* parentage. Also in each case, the *C. hybrid* means all those hybrids with other than *reticulata* parentage. *C. sasanqua* includes related species.)



The February Camellia Show of the Tampa Bay Camellia Society was held at the Florida State Fair. Several thousands visited this show and saw high quality blooms.

CALIFORNIA

Atwater, March 22, 1997
(20th Annual)

Sponsor: Atwater Garden Club
& Camellia Society

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Eleanor Martin', Robert Ehrhart

C. japonica:

Very Large: 'Eleanor Martin'
Robert Ehrhart

Runner-up: 'Snowman'

Mr. & Mrs. Donald Lesmeister

Large: 'Nuccio's Carousel'

Mr. & Mrs. Donald Lesmeister

Runner-up:

'Raspberry Ice'

Don & Mary Bergamini

Medium: 'Lil Schaefer'

Robert Ehrhart

Runner-up: 'Sea Foam'

Edith Mazzei

Small: 'Jackie D'

Larry & Nancy Pitts

Runner-up: 'Ellen Daniel'

Don & Mary Bergamini

C. reticulata:

Best Bloom: 'Larry Piet'

Mr. & Mrs. James Randall

Runner-up: 'Ruta Hagmann'

David Hagmann

C. hybrid:

Best Bloom: 'Honeymoon'

Mr. & Mrs. James Randall

Runner-up: 'Mona Jury'

Mr. & Mrs. Donald Lesmeister

Best Miniature: 'Fircone Var.'

Harlan Smith

Runner-up: 'Hopkins Pink'

Robert Ehrhart

Best White: 'Snowman'

Don & Mary Bergamini

Best Fragrant: 'Souzas Pavlova'

Hal & Deane Burch

Best Youth Bloom: 'Fircone Var.'

Ashley Stephensen

ACS GOLD CERTIFICATE:

Won By: Don & Mary Bergamini

ACS SILVER CERTIFICATE:

Won By: Robert Ehrhart

NUMBER OF ACS MEMBERSHIPS
SOLD: None.

Fresno, March 9-10, 1997

Sponsor: Central California
Camellia Society

Number of Blooms Displayed: 987

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Lady Laura'

Jack & Anne Woo

C. japonica:

Large-Very Large: 'Lady Laura'
Jack & Anne Woo

Runner-up: 'Miss Charleston Var.'

Joe Roup

Medium: 'Black Magic'

Joe Roup

Runner-up: 'Firedance Var.'

Harlan Smith

Small: 'Black Tie'

Chris & Art Gonos

Runner-up: 'Red Hots'
Chris & Art Gonos
Miniature: 'Ellen Daniel'
Jack & Anne Woo
Runner-up: 'Buttons 'n Bows'
Bob & Alice Jaacks

C. reticulata:

Best Bloom: 'W. G. Gilley'
Jack & Anne Woo
Runner-up: 'Emma Gaeta Var.'
Chris & Art Gonos

C. hybrid:

Best Bloom: 'Waltz Time Var.'
Chris & Art Gonos
Runner-up: 'Pink Dahlia'
Dick Stiern

C. sasanqua:

Best Bloom: 'Egao'
Wilbur & Mary Anne Ray

Best White: 'Tata'

Lee & Arlene Chow

Best Fragrant: 'High Fragrance'

Lee & Arlene Chow

Best Yellow: 'Dahlohnega'

Chris & Art Gonos

Best Novice, Japonica: 'Glen Forty'

Wilbur & Jackie Ray

Best Novice, Miniature:

'Fircone Var.', Ron & Joan Hill

Best Spray: 'Nicky Crisp'

Jack & Anne Woo

NUMBER OF ACS MEMBERSHIPS

SOLD: None.

Modesto, March 15-16, 1997

Sponsor: Camellia Society
of Modesto (36th Annual)

Number of Blooms Displayed:
2,500. Attendance: 1,200.

ACS OUTSTANDING BLOOM
CERTIFICATES:

C. japonica:

Very Large: 'Lady Laura'

Dr. & Mrs. Lee Chow

Runner-up: 'Royal Velvet'

Mr. & Mrs. E. F. Achterberg

Large: 'Elvige', Larry &

Nancy Pitts

Runner-up: 'Ville de Nantes'

Tom & Marge Lee

Medium: 'Alta Gavin'

Jack & Anne Woo

Runner-up: 'Nuccio's Jewel'

John Augis

Small: 'Ellen Daniel'

Jack & Anne Woo

Runner-up: 'Spring Daze'

Judy & Harlan Smith

C. reticulata:

Large-Very Large: 'Emma Gaeta
Var.', Bob & Joan Conlin

Runner-up: 'Curtain Call'

The Ron Marrisons

Medium: 'Miss Tulare'

Chris & Art Gonos

Runner-up: 'Crinoline'

Mr. & Mrs. E. F. Achterberg

C. hybrid:

Best Bloom: 'Lucky Star'

Chris & Art Gonos

Runner-up: 'Honeymoon'

Eric Hansen

Best Miniature: 'Something

Beautiful', Larry & Nancy Pitts

Runner-up: 'Fircone Var.'

Judy & Harlan Smith

Best White: 'Tata'

Mr. & Mrs. E. F. Achterberg

Best Yellow: 'Dahlohnega'

Chris & Art Gonos

Best Fragrant Bloom: 'High
Fragrance', Robert Ehrhart

Youth Division:

Best Japonica: 'In The Pink'

Jarod Bates

Best Retic. or Hybrid:

'Dream Boat', Jarod Bates

Best Miniature: 'Kitty'

Jarod Bates

NUMBER OF ACS MEMBERSHIPS
SOLD: One.

DISTRICT OF COLUMBIA

Washington, April 12-13, 1997
(43rd Annual)

Sponsor: Camellia Society
of the Potomac Valley

Number of Blooms Displayed: 600.

Attendance: 800.

ACS OUTSTANDING BLOOM
CERTIFICATES:

Most Outstanding Bloom:

'Katherine Maryott'

Carlton Maryott

C. japonica: (In Open)

Best Bloom: 'Katherine

Maryott', Carlton Maryott

Runner-up: 'Blood of China'

Mr. & Mrs. Wilmer Perkins

C. japonica: (Protected)

Greenhouse: 'Nuccio's Gem'

Mr. & Mrs. Harry Kendig

Runner-up: 'Bob Hope'

Mrs. Margaret White

Microfoam: 'Magnoliaeflora'

Mr. & Mrs. W. L. Miller

Runner-up: 'Ville de Nantes'

Mr. & Mrs. W. L. Miller

Other: 'Mrs. Charles Cobb'

Mr. & Mrs. Richard Adelberg

Runner-up: 'Mathotiana

Supreme', Mr. & Mrs.

Richard Adelberg

C. reticulata:

Best Bloom: 'Howard Asper'

Mrs. Margaret White

Runner-up: 'Valley Knudsen'

Mrs. Margaret White

C. hybrid:

In Open: 'Rose Parade'

Capt. & Mrs. D. M. Simon

Protected: 'E. G. Waterhouse

Var.', Dr. & Mrs. W. L. Ackerman

Best White: 'Nuccio's Gem', Mr. & Mrs. Harry Kendig

NUMBER OF ACS MEMBERSHIPS SOLD: One.

FLORIDA

Deland, February 1-2, 1997

Sponsor: Volusia County

Camellia Society

Number of Blooms Displayed:

1,081. Attendance: 750.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Frank Houser', Bob Reese

C. japonica:

Large: 'Tomorrow Park Hill'

O. L. Jacobson

Small: 'Marie Hall'

O. L. Jacobson

C. reticulata:

Best Bloom: 'Valentine Day'

Pearl Terry

Runner-up: 'Betty Ridley'

Eileen Hart

C. hybrid:

Best Bloom: 'Elsie Jury'

T. L. & Carol Everett

C. sasanqua:

Best Bloom: 'Star Above Star'

Irma M. Amlung

Best White: 'Mary Alice Cox'

Louis & JoAnn Ruska

Best Novice Bloom: 'Apple

Blossom', Bernadine de Vare

ACS GOLD CERTIFICATE:

Won By: O. L. Jacobson

ACS SILVER CERTIFICATE:

Won By: Eileen Hart

NUMBER OF ACS MEMBERSHIPS SOLD: None.

Jacksonville, December 7, 1996

(35th Annual)

Sponsor: Camellia Society

of North Florida

Number of Blooms Displayed: 922.

Attendance: 300+

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Untreated, Lg.-V.Lg.:

'Mrs. D.W. Davis Descanso'

Lillian & Clarence Gordy

Medium: 'Magic City'

Lillian & Clarence Gordy

Treated, Lg.-V.Lg.: 'Nuccio's

Pink Lace', Lillian &

Clarence Gordy

Medium: 'Esther Smith'

Lillian & Clarence Gordy

Protected, Lg.-V.Lg.: 'Ivory Tower'

Annabelle & Lew Fetterman

Medium: 'Guest Star'

Pat & Jim Pinkerton

C. reticulata:

In Open: 'Frank Houser'

Lillian & Clarence Gordy

Protected: 'Hall's Pride Var.'

Pat & Jim Pinkerton

C. hybrid:

In Open: 'Buttons 'n Bows'

Jane & Jim Norman

Protected: 'Phil Piet'

Pat & Jim Pinkerton

C. sasanqua:

Best Bloom: 'Star Above Star'

Joann Abelein

Best Miniature: 'Something

Beautiful', Lillian &

Clarence Gordy

Best White: 'Snowman'

Annabelle & Lew Fetterman

Best Novice Bloom: 'Alba Plena'

Nell Nevin

NUMBER OF ACS MEMBERSHIPS SOLD: None.

MARYLAND

Hunt Valley, March 1, 1997

(39th Annual)

Sponsor: Pioneer Camellia Society

of Maryland

Number of Blooms Displayed: 520.

Attendance: 1,000

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Governor Mouton'

Mr. & Mrs. Louis Daudt

C. japonica: (General Area)

Very Large: 'Mrs. D. W. Davis'

Mr. & Mrs. Louis Daudt

Runner-up: 'Grand Prix'

Mr. & Mrs. Louis Daudt

Medium: 'Ethel Davis Var.'

Mr. & Mrs. Louis Daudt

Runner-up: 'Bertha Harms'

Dr. Frederick Morsink

C. japonica: (Protected)

Very Large: 'Drama Girl'

Mr. & Mrs. Burnett Pettit

Runner-up: 'Carter's Sunburst'

Mr. & Mrs. Harry Kendig

Medium: 'Blood of China'

Dr. Helen Habermann

Runner-up: 'Royal Velvet'

Mr. & Mrs. Harry Kendig

C. reticulata:

Best Bloom: 'Hulyn Smith'

Mr. & Mrs. Louis Daudt

Runner-up: 'Dr. Clifford Parks'

William Miller

C. hybrid:

Best Bloom: 'Freedom Bell'

Dr. Frederick Morsink

Runner-up: 'Jury's Yellow'

Dr. Frederick Morsink

Best White: 'Jury's Yellow'

Dr. Frederick Morsink

ACS GOLD CERTIFICATES:

Baltimore Area:

Mr. & Mrs. Harry Kendig

General Area:

Mr. & Mrs. Louis Daudt

ACS SILVER CERTIFICATES:

Baltimore Area:

Dr. Helen Habermann

General Area:

Dr. & Mrs. Bill Ackerman

ACS OUTSTANDING ARRANGEMENT CERTIFICATES:

Tri-color: Mrs. Patricia Schmidt

Creativity: Mrs. Beryl Wood

& Mrs. Claire Jones

NUMBER OF ACS MEMBERSHIPS SOLD: None.

NORTH CAROLINA

Burlington, March 8-9, 1997

(39th Annual)

Sponsor: Piedmont Camellia Club
& Holly Hill Mall

Number of Blooms Displayed: 474.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom: 'Elaine's Betty', Clara & Fred Hahn

C. japonica: (In Open)

Large: 'Vernon Mayo Var.'

Ed & Lou Powers

Medium: 'Ville de Nantes'

Ed & Lou Powers

Small: 'Les Marbury'

Ed & Lou Powers

Miniature: 'Man Size'

Hardy S. Gibson

C. japonica: (Protected)

Large: 'Angel Kloman'

Annabelle & Lew Fetterman

Medium: 'Lady Kay'

Clara & Fred Hahn

Small: 'Maroon and Gold'

Jack F. Hankins

C. reticulata:

Best Bloom: 'Renegade'

Annabelle & Lew Fetterman

C. hybrid:

In Open: 'Dr. Zhivago'

Ed & Lou Powers

Protected: 'Rose Bouquet'

Clara & Fred Hahn

Best White, In Open: 'Tootsie'

Ed & Lou Powers

Best White, Protected:

'Honeymoon', Annabelle

& Lew Fetterman

Best Novice Bloom: 'Carter's

Sunburst', Hardy S. Gibson

Best Miniature: 'Helen B.'

Annabelle & Lew Fetterman

ACS GOLD CERTIFICATES:

In Open: Ed & Lou Powers

Protected: Fred & Clara Hahn

ACS SILVER CERTIFICATES:

In Open: Hardy S. Gibson

Protected: Jack Hankins

NUMBER OF ACS MEMBERSHIPS SOLD: None.

Fayetteville, March 1-2, 1997

(51st Annual)

Fayetteville Camellia Club

Number of Blooms Displayed: 903.

Attendance: 5,000

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Very Large: 'Bobby Fain Var.'

Ed & Lou Powers

Runner-up: 'Royal Velvet'

Ed & Lou Powers

Large: 'Donckelarii'

Bill & Molly Howell

Medium: 'Ville de Nantes'

Dr. & Mrs. J. M. Habel

Runner-up: 'Lady Kay'

Ed & Lou Powers

Small: 'Red Hots', O. Hess

C. japonica: (Protected)

Very Large: 'Tomorrow Park Hill', Clara & Fred Hahn

Runner-up: 'Clark Hubbs Var.'

Joe Austin

Large: 'Elegans Champagne'

William H. Vaughn

Medium: 'Lady Kay'

Clara & Fred Hahn

Runner-up: 'Ville de Nantes'

Clara & Fred Hahn

Small: 'Tom Thumb'

Elliott P. Brogden

Miniature: 'Man Size'

Clara & Fred Hahn

Runner-up: 'Dryade'

Annabelle & Lew Fetterman

C. reticulata:

Best Bloom: 'Hall's Pride Var.'

Pat & Jim Pinkerton

Runner-up: 'John Hunt'

William H. Vaughn

C. hybrid:

Best Bloom: 'Julie Felix'

Sandra & John Penny

Runner-up: 'Rose Bouquet'

Clara & Fred Hahn

Best White: 'Swan Lake'

Sandra & John Penny

Best Novice Bloom: 'Brian'

R. G. Capps

ACS GOLD CERTIFICATES:

In Open: Parker Connor

Protected: Fred & Clara Hahn

NUMBER OF ACS MEMBERSHIPS SOLD: One.

OREGON

Portland, April 5, 1997

(56th Annual)

Sponsor: Oregon Camellia Society

Number of Blooms Displayed: 389.

Attendance: 500

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Nuccio's Gem', Jim Moon

C. japonica: (In Open)

Very Large: 'Elegans

Splendor', Jim Moon

Runner-up: 'Elegans

Supreme', Jim Moon

Small: 'Jingle Bells'

Collier Brown

Runner-up: 'Shikibu', Jim Moon

C. japonica: (Protected)

Best Bloom: 'Dainty

(California)', Larry Landauer

Runner-up: 'Chiffon'

Larry Landauer

C. reticulata:

Best Bloom: 'Emma Gaeta'

Jim Moon

C. hybrid:

Best Bloom: 'Coral Delight'

Collier Brown

Runner-up: 'Mary Christian'

Ansel Bayley

C. sasanqua:

Best Bloom: 'Quintessence'

Larry Landauer

ACS GOLD CERTIFICATES:

In Open: Jim Moon

Protected: Larry Landauer

ACS SILVER CERTIFICATE:

In Open: Oscar Tinkle

ACS PROVISIONAL COMMENDED SEEDLING CERTIFICATE:

For *C. japonica* 'Red Spider', won
by Jim Moon

NUMBER OF ACS MEMBERSHIPS

SOLD: Two.

VIRGINIA

Chesapeake, March 29, 1997

(50th Annual)

Sponsor: Virginia Camellia Society

Number of Blooms Displayed: 504.

Attendance 400-500.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large: 'Tomorrow Park Hill'

Mr. & Mrs. John T. Jackson

Runner-up: 'Tomorrow's Dawn'

Melvin C. Stallings

Medium: 'Ville de Nantes'

Mrs. Patricia Walsh

Runner-up: 'Mark Alan Var.'

Melvin C. Stallings

Small: 'Maroon and Gold'

Melvin C. Stallings

Runner-up: 'Kitty'

Capt. & Mrs. Doug Simon

Miniature: 'Night Rider Var.'

Melvin C. Stallings

Runner-up: 'Fircone Var.'

Melvin C. Stallings

C. japonica: (Protected)

Large: 'Guilio Nuccio Var.'

Ed Minor III

Runner-up: 'Tiffany'

Mr. & Mrs. Robert Black

Medium: 'Shorty', Ed Minor III

Runner-up: 'Mathotiana'

Aldon Turner

Small: 'Grace Albritton Flair'

Mr. & Mrs. Robert Black

C. reticulata:

Best Bloom: 'Dr. Clifford Parks'

Ann Schwarz-Miller

Runner-up: 'Dr. Louis Polizzi'

Capt. & Mrs. Doug Simon

C. hybrid:

Best Bloom: 'Queen Bee'

Aldon Turner

Runner-up: 'Taylor's Perfection'

Ed Minor III

Best White: 'Coronation'

Ann Schwarz-Miller

Best Novice Bloom: 'Shorty'

Jerry Holmes

NUMBER OF ACS MEMBERSHIPS

SOLD: None.



*This exquisite camellia collection was prepared
by the Tampa Bay Camellia Society and shown
at the Florida State Fair, February 1997.*

FROM THE DESK OF THE EXECUTIVE DIRECTOR

It's SUMMERTIME at Massee Lane. The amount of new growth on the camellias is staggering. In recent weeks we have enjoyed some heavy rains which were much needed and the new growth continues to elongate. Several visitors have commented on the aluminum foil on some plants and wonder why we would use foil on our plants. You, as growers, know that these are air-layers. Our volunteers and staff went all out this year to increase our stock. It has been a great opportunity to share this method of propagation with the visitor. At this point, it looks like a banner year for air-layers.

This year also seems to be a good year for seeds. Several local growers as well as ACS staff have noted the heavy seed-set. Who knows, there may be some very special new camellias for the future. I recently heard one of our members and a longtime camellia grower say that he had grown thousands of seedlings over the years. He continued his conversation by saying that he had never used a single seedling for understock until he had seen it bloom. He has introduced a few but according to him, his batting average on seedlings is poor. However, he said, I'll continue to dream of that super camellia that is somewhere in my seedling patch.

MARK YOUR CALENDAR for January 28-31 for the ACS Annual Meeting and Convention hosted by the Mississippi Gulf Coast Camellia Society at Gulfport, MS. The headquarters will be the Grand Casino Hotel. The committee headed by Alton LeFebvre have worked long hours to make this an outstanding convention. They have planned many outstanding trips and local visits and there is something for everyone. You will note that the camellia show will be on Thursday, January 29 so bring plenty of blooms for this event. Elsewhere in this Journal, you will find the calendar of events, the show schedule and information of registering for the convention and the Grand Casino Hotel. By registering before January 1, 1998, you will save \$35.00 per registration. If you cannot

attend the entire convention, you will find the daily rates. From the plans, it sounds like a great convention with genuine Gulf Coast hospitality.

I wonder how we ever survived without the Annabelle Lundy Fetterman Building. Fortunately, we have secured the services of a college student to be on duty for weekend events. He is a very responsible person and seems to enjoy his work. This past weekend, there was an event on Friday evening, a wedding and reception on Saturday and a reception on Sunday. We have a number of bookings for 1998. Our calendar is very full and brings many to the gardens that might not otherwise come. For many, the camellia experience is a new one and that is a great opportunity to share our favorite flower in blooming season and to enjoy handsome green shrubs during the late Spring and Summer.

We are not without color in the garden. The daylilies are outstanding and our horticulturist has added many new annuals throughout the garden. The large perennial bed has matured and is very lovely. The brilliant colors against the lush green of the camellias are very pleasing.

The reworked patio at the Fetterman Building allows greater use of the outdoors and also eliminates a stepdown from the covered walkway. This is a good safety improvement. The plantings next to the building on the patio were removed. Rain coming off the roof became trapped and the plants did poorly. Large planters will replace these beds and add beauty to the patio. The handsome antique planters given by Louise Mayo several years ago continue to be focal points of this area.

Recently, we received correspondence from one of our Japanese members and he was delighted to see ACS on the internet. You can find us [http:// www. peach. public. lib. ga. us/ ACS/ acs. htm](http://www.peach.public.lib.ga.us/ACS/acs.htm). We will be investigating other avenues on the web this summer.

The trees in the test garden are putting on much new growth. There are some mature trees in the area but new



Ann Blair Brown

ones were added for expansion. The irrigating system is complete but has not been needed this season. The camellia plantings will be added in the early Fall.

The Environmental Center will be started in the very near future. When completed, this will be a fine addition to the present facilities. The Environmental Fund was begun several years ago and money from this fund has been set aside for future maintenance. Dr. Daniel Nathan has worked over the years to make this Center and Garden a reality and has served as chairman the entire time.

Plans are underway for the 1998 Camellia Festival and our Prelude to Spring. The Staff and Volunteers continue to come up with new ideas for these events. Summer is the time when we have the time to make necessary repairs. There is never a dull moment.

Many of you will remember Michelle Allen. She was the Building Coordinator and Activities Chairman. She is now the Director of the Chamber of Commerce in Montezuma but her latest achievement is that she and Bob are the proud parents of a beautiful baby daughter, Madison Page Allen. Grandpa Bobby Allen, ACS Staff Member brought pictures for all of us to admire. Congratulations from all of us.

Do have a great summer. Come and visit when you can. It is always a pleasure to have our members come to Massee Lane.



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*Share the Beauty of Nature Expressed
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**The American Camellia Society is a non-profit,
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Basic Membership provides the following benefits:

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THANK YOU FOR YOUR SUPPORT!

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