

\$2.00

The *Camellia* Journal

*The Queen and her Consort,
1988 Ozone Camellia Club Court.*

MAY 1989

**OFFICIAL PUBLICATION
OF THE**

American Camellia Society

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ACS offices are located at Masson Lane 5 miles south of Fort Valley, Georgia, on State Hwy. 49 or 12 miles west of Interstate 75 from Perry, Georgia, then north on State 49 at Marshallville. Offices and Bookin Gallery open Mon-Fri. from 9:30 A.M. to 4:00 P.M. Gardens open every day.

(USPS 555-900) (ISSN 0008-204X)

Issued February, May, August and November from the office of the Editor of the American Camellia Society.

Subscription price is included in the annual membership dues.

Second-class postage paid at Fort Valley, GA and additional mailing offices. POSTMASTER: Send address changes to Camellia Journal, P.O. Box 1217, Fort Valley, GA 31030.

Annual Members—U. S. Single \$15.00; U. S. Joint (Husband and Wife) \$17.50; Overseas Single \$16.50; Overseas Joint (Husband and Wife) \$19.00. Life Membership—Single \$300.00; Joint \$350.00. Sustaining Dues—Single or Joint \$30.00. Patron Dues—Annual Single or Joint \$100.00. For Sustaining and Patron Dues, the amount above annual dues would be considered a donation to ACS and hence tax exempt. Make payment to American Camellia Society, Box 1217, Fort Valley, GA 31030.

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The Camellia Journal

WORLD'S LARGEST PUBLICATION DEVOTED TO THE GENUS CAMELLIA
OFFICIAL PUBLICATION OF THE AMERICAN CAMELLIA SOCIETY

VOLUME 44

NUMBER 2

MAY 1989

TABLE OF CONTENTS

	PAGE
PRESIDENT'S MESSAGE, H.C. Rambath	1
SHOW DATES	1
HISTORIC NATCHEZ: FALL '89 CONVENTION CITY	2
NATCHEZ EOLA HOTEL: HEADQUARTERS FOR FALL CONVENTION	4
ACS CONVENTION SCHEDULE OF EVENTS	5
AMERICAN CAMELLIA SOCIETY COMMITTEES FOR 1989	6
THE 1989-1990 ARTISTIC DESIGN CONTEST	6
NOTES FROM THE HORTICULTURIST, Betty Hotchkiss	8
ELECTION OF DIRECTORS AND DIRECTORS-AT-LARGE FOR THE PACIFIC COAST TERRITORY	9
CAMELLIAS REGISTERED WITH ACS SINCE FEBRUARY JOURNAL	9
ADDITIONAL JUDGES APPOINTED	9
HORTICULTURALLY SPEAKING, Committee on Horticulture	10
MEET SUSAN!	12
MEMORIAL DONATIONS	12
WHY I LIKE CAMELLIAS, Wilson Sistrunk	13
SHOW REPORTS	14
FUTURE MEETINGS OF THE ACS	15
OZONE CAMELLIA CLUB SHOW, Rudy Kriegler	16
IN MEMORIAM: LENA FINCHER WATSON	18
SPECIAL GIFTS, PATRONS, SUSTAINING AND JOINT SUSTAINING	20
BASICS FOR THE BEGINNER, Betty Hotchkiss	21
40th ANNIVERSARY CAMPAIGN	22
MULTIPLE SHOOT PRODUCTION OF SINGLE BUDS OF TEA, CAMELLIA SINENSIS Janice H. Haldeman and Ronald L. Thomas	23
SUMMER CARE FOR CAMELLIAS, Dave Scheibert, M.D.	28
THE ANNABELLE LUNDY FETTERMAN EDUCATIONAL MUSEUM AT MASSEE LANE	32
CAMELLIA SASANQUA CUTTINGS KILLED WHEN DIPPED IN SPORE SUSPENSION OF GLOMERELLA CINGULATA, L. W. Baxter, Jr. and S. B. Segars	33
FROM THE DESK OF THE EXECUTIVE DIRECTOR, Ann Blair Bown	37

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**FROM THE PRESIDENT****H. C. Rambath**

It is indeed a great honor to be your national president and be assured you will have my finest efforts. I will do the very best that I am able for ACS and will welcome all the help possible. The greatest cooperation has been received from all the committee chairmen, and it is my belief that we have an excellent group of people to handle the assignments to go along with the wonderful staff at Masee Lane.

We should be able to do greater things than ever before with our new educational exhibition and museum building, which will allow us to show the world's greatest flowers to more and more people.

As this is being written, the February California show circuit is just starting and although we have had about two weeks of 20 degree weather we are seeing some excellent flowers. This is a wonderful time of the year and I hope all have had much happiness during the show season and as you are reading this, have completed all your spring work of pruning and fertilizing and are looking forward to another sensational camellia season.

ON THE COVER:

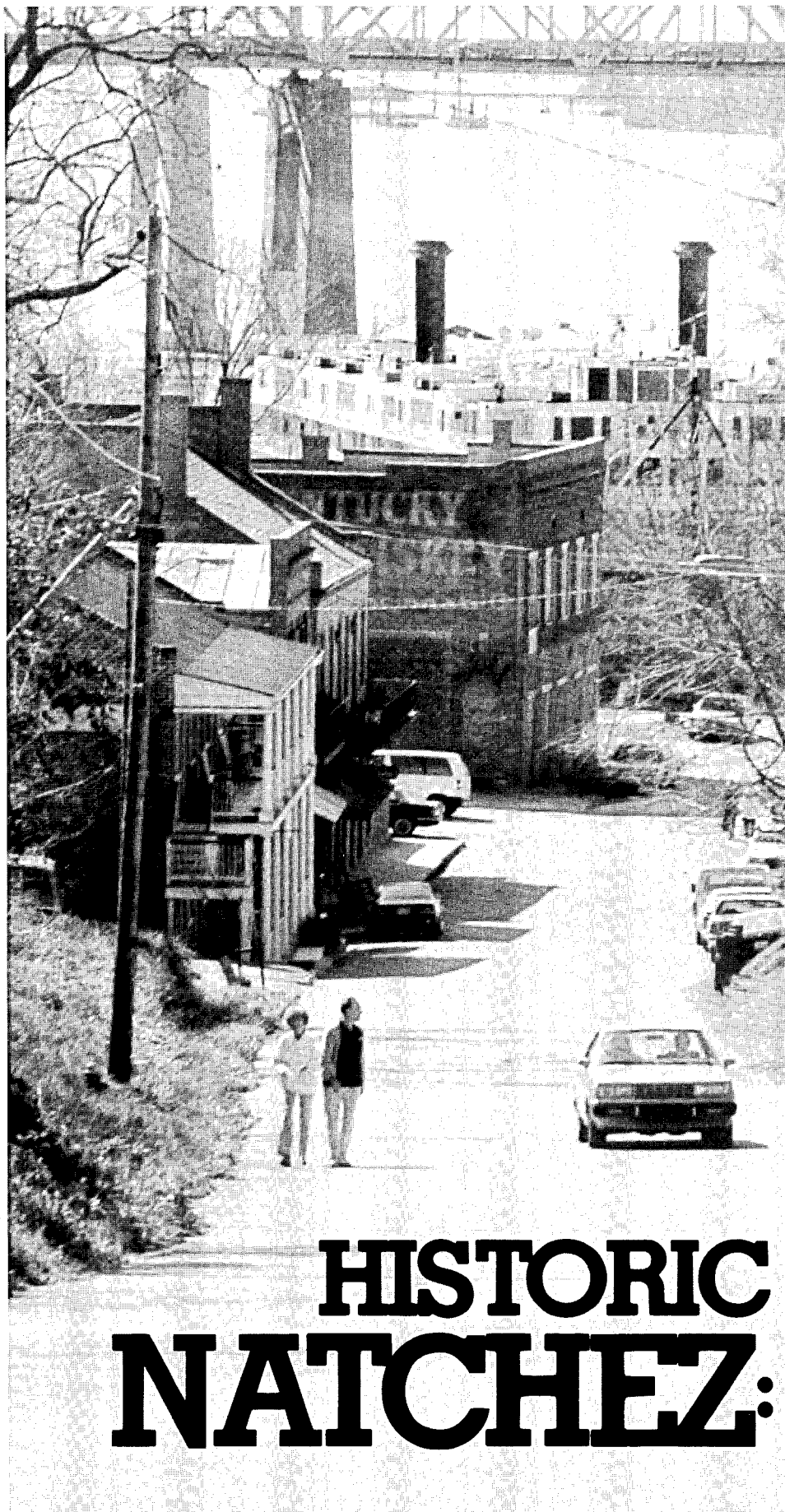
Miss Carmel Hattie Duplechain, Queen of the 1988 Ozone Camellia Club Court, and her Consort Robert Maurice Gambrell, Jr. Complete story and more photos will be found on Page 16.

SHOW DATES

(ACS Cooperative Shows)

PLACE, LOCATION, SPONSOR**DATE**

Gulfport, MS; Gulfport Area Camellia Society	November 18-19, 1989
Valdosta, GA; Valdosta Garden Center; Valdosta Camellia Society	November 18-19, 1989
Slidell, LA; Slidell City Auditorium; Ozone Camellia Club	December 2-3, 1989
Gainesville, FL; Oaks Mall; Gainesville Camellia Society	January 6, 1990
Tallahassee, FL; Tallahassee Mall; Camellia & Garden Club of Tallahassee	January 6-7, 1990
Baton Rouge, LA; Baton Rouge Camellia Society	January 6-7, 1990
Dallas, TX; Dallas Civic Center; Dallas Camellia Society	January 20, 1990
Slidell, LA; Slidell City Auditorium; Ozone Camellia Club	December 1-2, 1990



"NATCHEZ UNDER THE HILL" the historic waterfront area today houses shops, restaurants, and taverns.

Natchez, Mississippi is a City of timeless charm and enchantment. As the oldest City on the Mississippi River, it has managed to retain both its history and its heritage for over 250 years. The City has the honor of being one of ten of the best preserved historic towns in America.

Situated on 200 foot bluffs, Natchez is the highest point on the Mississippi between New Orleans and St. Louis. Because of its strategic location, it has been ruled by the French, British and Spanish and later by the Americans and the Confederates. But before the Europeans arrived, Natchez was home to the Natchez Indians, a sun-worshipping tribe. Although massacred by the French in 1729, their main village is now on the National Register and is administered by the Mississippi Department of Archives and History. There, visitors can learn about the tribe through a museum and tour the mounds and a recreated Indian hut.

With the largest collection of antebellum homes still standing in the United States today, Natchez attracts over 150,000 visitors each year. There are five neighborhoods on the National Register of Historic Places and 11 National Historic Landmarks. There are over 500 antebellum mansions, cottages, churches, and other buildings in and around the City.

In the mid 1800's it was the main social, political, and business area in

HISTORIC NATCHEZ:

FALL '89

...one of the ten best-preserved historic towns in America.

the region. Cotton planters, river traders, and merchants all lived side by side in Natchez. An embarrassment to the rest of Natchez was "Natchez Under the Hill", a section below the bluff next to the river where gambling, thievery, murder and prostitution were the business of the day. These two areas co-existed for many years. Today, many of the mansions are owned by oilmen, doctors, and out-of-towners. "Natchez Under the Hill", once the wrong side of town is an area of shops, restaurants and bed and breakfast inns.

Known for its annual Spring Pilgrimage which was established in 1932, visitors can still tour anywhere from fifteen to thirty of these homes. Among the most famous is Longwood, the largest octagonal home in the United States. It was started in 1859 and never fully completed. Rosalie, now owned by the DAR, (Daughters of the American Revolution), was the Union headquarters during the War Between the States and even hosted General Grant as an overnight visitor. Varina Howell, bride of Jefferson Davis, was married at her family home, The Briars, located on the bluffs. Melrose, scene of many modern-day movies, still retains the original drapes, furniture and painted floorcloths from 1845. Of course, what makes so many of Natchez' homes unique is that they have some of the best preserved interiors to be found anywhere. Many of these homes still retain some if not all of the original furnishings.

Among other treasures to be found in Natchez are Historic Jefferson College, the oldest educational institution in Mississippi founded in 1802. It was the scene of the writing of the State Constitution in 1817 and was also the site for the arraignment of Aaron Burr, the United States of America's third vice-president, for treason. It also served as one of the locations for the television mini-series North and South.

Additionally, visitors are fond of stopping by the Old South Winery, for a taste of one of the many varieties of muscadine wine bottled locally. Dr. Scott Galbreath gives excellent tours and explains how his

family's ancestors brought muscadine vines from South Carolina to Mississippi in the early 1800's.

Natchez is the perfect vacation spot. Visitors flock to the area in search of history, some looking for Southern hospitality and some just looking for a break from the hectic pace of day-to-day living. Natchez has much to offer its visitors whether their interest lies in the elegant furnishings of the beautiful mansions, rolling landscapes of some of the historic areas, the history of this early flavorful town or in its quiet walks along the Mississippi River.

A visit to Natchez is a trip across time.



Carriage rides tour many visitors throughout the historic downtown area.

CONVENTION CITY.

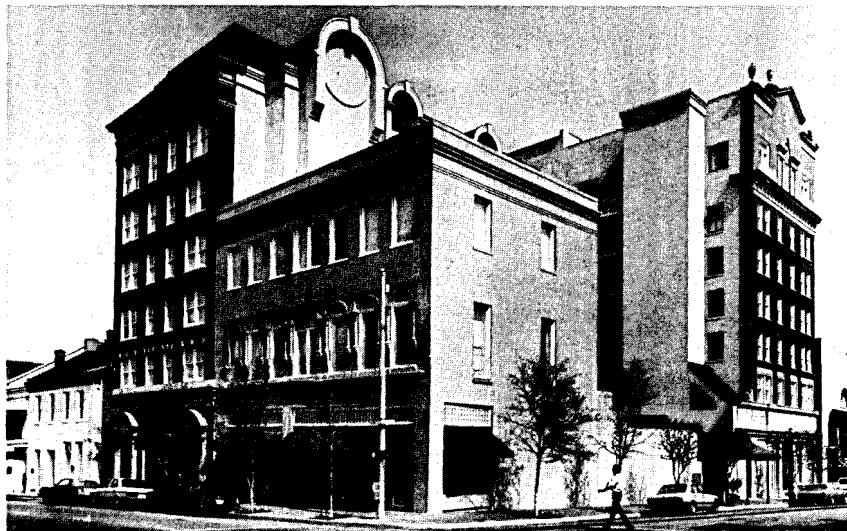
The NATCHEZ EOLA *Hotel*

Headquarters for Fall Convention.

The Natchez Eola Hotel, the largest building in historic downtown Natchez, has served this section of the Lower Mississippi River Valley since July 1, 1927, when it was acclaimed by newspapers at its grand opening as a great "symbol of civic progress".

The center of social activity in southwest Mississippi and east central Louisiana since its opening, the hotel, at seven stories the highest structure in downtown Natchez, is a beacon to travelers and home folks alike.

The hotel was conceived and built by the Natchez Investment Corporation, of which Leon M. Levy was president. Isidore Levy was president of the board of directors of the corporation, and it was his daughter, Eola, after whom the hotel was named.



A period of prosperity lay ahead for the Eola with the establishing in 1932 of the Natchez Spring Pilgrimage to local ante-bellum homes and gardens.

The hotel became the mecca for townspeople, with the United States Post Office nearby for many years, and the Adams County Courthouse, shops, churches, businesses and offices on all sides. The hotel's Coffee Shop was open around the clock and became a meeting place for businessmen, socialites and those who wanted excellent food at reasonable prices. The Eola was used regularly by civic clubs, conventions,

banquets, parties; and for many, the hotel was a place to see and be seen.

But by the early 1960's the Eola Hotel was showing its age, and competition from chain motels on the highways leading into Natchez captured the eye and the pocketbook of travelers needing rooms. Extensive renovation of the hotel was needed but expensive-too expensive for the Corporation to undertake and the hotel closed in 1974.

During the mid-1970's the hotel was empty, dark and lonely. But by 1978 excitement was mounting to reopen the Eola as part of the major rehabilitation of downtown Natchez,



American Camellia Society Convention October 18-21, 1989 Natchez, Mississippi

SCHEDULE OF EVENTS

Wednesday, October 18

- 1-5:00 P.M. Registration
- 4-6:00 P.M. Hospitality Room Open
- 7:00 P.M. Dinner on your own

Thursday, October 19

- 9-4:00 P.M. Registration
- 9-11:30 A.M. Governing Board Meeting
- 12:00 Noon Welcome by Mayor & Others
- 12:15-1:30 P.M. Luncheon at Eola
- 1:30 P.M. Board buses for tour
- 1:45-5:30 P.M. Tour Camellia gardens and several antebellum homes
- 5:30 P.M. Return to Eola Hotel
- 7-9:00 P.M. Dinner

Friday, October 20

- 7-11:00 A.M. Set-up show in lobby area of hotel
- 8-10:00 A.M. Endowment Board Meeting
- 10-12:00 P.M. Program
- 12-1:00 P.M. Luncheon
- 1:30 P.M. Judge Show
- 1:30-5:30 P.M. Optional home tour or antique shopping tour
- 3:30 P.M. Show open to public
- 7:00 P.M. Cocktail party at Antebellum home

Saturday, October 21

- 8:00 A.M. Continental Breakfast
- 9:00 A.M. Program
- 12:00 P.M. Luncheon on your own
- 1-6:00 P.M. Afternoon free
- 6:00 P.M. Hospitality Hour
- 7:00 P.M. Awards Banquet at Eola

REGISTRATION FEES (Per person)

Full Convention	\$125.00
Thursday Only	50.00
Friday Only	40.00
Saturday Only	40.00

Optional Tours on Friday Afternoon

Antebellum Home Tour	20.00
Antique Shopping Tour (Guide and Refreshments)	10.00

Please send reservations and check to:

Mrs. William Campbell, Jr.
604 Lindberg Avenue
Natchez, MS 39120

◀ Natchez Eola Hotel was built in 1927, and underwent a multimillion dollar face-lift in 1980. It is listed on The National Register of Historic Places.

a historical district listed in the National Register of Historic Places.

The Eola Hotel Corporation purchased the hotel on November 1, 1978, and immediately attempted breathing life back into the landmark. Construction began September 1, 1980, after about three years of planning.

The street facade was retained under federal tax incentive guidelines, but the hotel's main entrance on Pearl Street was changed to face a brick courtyard filled with flowers and a fountain.

Otherwise, the lobby is where it always has been with the registration desk, original archway leading to Peacock Alley, elevators, marble trim, columns, and elaborate chandeliers still in place. Cafe LaSalle, the Eola's evening dining room, is where the coffee shop and restaurant once were. A new, glass-enclosed, casual garden restaurant and bar, Julep's, looks out to the front courtyard. In the lobby area near the entrance is a new dais called Le Pavillion. Throughout, elegance and comfort prevail.

Upstairs, 122 rooms, many with balconies and unforgettable views of the Mississippi River, combine the best of the old and the new.

With the completion of the new Natchez Eola Hotel in 1982, once again stands the embodiment of what makes the South the South: courtesy, hospitality, gentility, graciousness and beauty.

◀ The Briars, scene of the marriage of Varina Howell and Jefferson Davis, is one of the many bed-and-breakfast homes in Natchez.

(See Page 18 for Natchez Eola Hotel Reservation Form.)

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THE 1989-1990 ARTISTIC DESIGN CONTEST

MASSEE LANE: *From a Rich Heritage*

ONE OR MORE CAMELLIAS MUST BE USED IN ALL CLASSES.

Additional plant material may be used in all classes: however, in classes where flower(s) other than camellias are used, the camellia(s) must be the dominant flower(s).

SECTION I. Tri-Color Classes

Classes 1, 2, 3, 4, 5, and 6 are eligible for the award.

The award winning exhibit must be a blue ribbon winner scoring 95 or more. There must be a minimum of three (3) classes with at least four (4) exhibits in each. Distinction (marked superiority) and Creativity (original concept) must be one of the categories included in the scale of points.

To be eligible for the Tri-Color Award, *all* plant material used **MUST BE FRESH**. All other components must be subordinate. One (1) or more accessories may be permitted. The container(s), base(s), and accessory(s) may be made of any material, including those manufactured from wood. *Weathered wood is not permitted in any form.*

The Tri-Color Award shall be represented by a rosette combining blue, red and yellow ribbons. This is to be provided by the local committee.

"SOUTHERN HOSPITALITY"

Class 1. American Scenery — a tribute to any feature of Massee Lane. Example—the Stevens-Taylor Gallery of Boehm Porcelains-Designers Choice.

Class 2. Japanese Gardens — a tribute to the Abendroth Japanese Garden. A design with oriental influence.

Class 3. Tranquil Meetings — a tribute to the Annabelle Lundy Fetterman Educational Museum — a line mass design.

Suggested Scale of Points for
Tri-Color Awards:

Conformance	15
Design	40
Distinction	20
Creativity	<u>25</u>
Total	100

SECTION II. Southern Hospitality - Functional Tables Two Place Settings

The award winning exhibit must be a blue ribbon winner scoring 95 or more. All plant material **MUST BE FRESH**. There must be a minimum of three (3) classes with at least four (4) exhibits in each. The size of the table will be specified by the *local show committee*. A table exhibit must display a unified whole.

FUNCTIONAL TABLE — A table exhibit arranged for the service of food, including dishes, crystal or glassware, linens and floral design(s) with or without other components. Convenience and a sense of order must prevail.

Class 4. American Scenery — a tribute to any feature of Massee Lane.

Class 5. Japanese Gardens — a tribute to the Abendroth Japanese Gardens.

Class 6. Tranquil Meetings — a tribute to the Annabelle Lundy Fetterman Educational Museum.

Suggested Scale of Points for
Functional Tables

Functionalism	20
Design	<u>40</u>
(overall design 20)	
(decorative unit 20)	

to a Golden Future."

Color and Textural	
Harmony	15
Distinction	10
Creativity and	
Expression	15
Total	100

SECTION III. Creativity Classes

Classes 7, 8, and 9 are eligible for this award.

The award winning exhibit must be a blue ribbon winner scoring 95 or more. There must be a minimum of three (3) classes with a least four (4) exhibits in each.

In classes eligible for the Creativity Award, the exhibitor must have *complete freedom* to choose the components. The designer may use fresh, dried and/or treated dried plant material unless the design type requires specific plant material.

"PROJECTIONS AND REFLECTIONS"

Class 7. Looking Forward To — Future growth in membership; new buildings, etc.

Class 8. Memorabilia — A design interpreting your favorite memory of Masee Lane.

Class 9. Cherish Today — A design honoring the first lady Executive Director Ann Blair Brown.

All creativity classes are Designers Choice.

DESIGN CONTEST RULES

1. Contest is open to exhibitors in Camellia Shows held in conjunction with ACS.
2. The Standard System of awarding as required by National Council of State Garden Clubs shall be used—one blue, one red and one yellow ribbon may be given in

each class. A white ribbon may be awarded for honorable mention. The Handbook for Flower Shows, 1987 edition will be used as authority by judges and exhibitors. This is the official guide of National Council of State Garden Clubs.

3. Only blue ribbon winners may be entered in ACS Contest.
4. Class names must adhere to the schedule prepared for the ACS Contest for 1989-1990.
5. Photographs must be received by: Mrs. Wayne W. Wiseman, 502 South Hutchinson, Adel, GA 31620 by May 15, 1990 or be disqualified and all photographs become the property of ACS.
6. Photographs must be 5" x 7" or 8" x 10" black and white glossies. They should be clear in design. No entries will be accepted that include entry card, ribbons, trophies, or other extraneous material. These must be removed from exhibit before picture is taken. Good photography is essential.
7. It is strongly suggested that a color slide be included for better judging and good evaluation of color. Slides will also become property of ACS.
8. Description information must be typed and accompany photograph. Do not write on back of photograph or attach material with pins or clips. The following description information is required.
Section and Class
Design Description and Interpretation
Container description
Materials used—describe color and names of plant material, background and accessories (if



Mrs. Wayne W. Wiseman

Lenton Wiseman is well qualified to write the schedule for the Artistic Design Contest for the 1989-1990 season of the American Camellia Society. She is a Master Judge certified by the National Council of State Garden Clubs Inc. She holds certificates from the Ikenoho School of Ikebana and has studied under Senior Professor Mary C. Takahashi of Atlanta, GA. She has served on the Executive Board, as well as the Board of Directors of the Garden Club of Georgia Inc. She is a member of the Board of Trustees for the Garden Club of Georgia State Headquarters House in Athens, GA., a member of the Friends of the State Botanical Garden and an accredited American Camellia Society judge.

The Artistic Design Committee thought it would be interesting to see classes 1, 2, and 3 used as a Table Class as well as an Artistic Design Class. We hope you agree.

used). Name and color of camellia, if possible.

9. On a separate sheet, include name and address of designer and Section and Class name. Name of Show and Name of Club(s) sponsoring Show and date of Show.
10. A schedule of the show must be included with each entry.
11. Do not send questions or photographs to the ACS headquarters or ACS president. The chairman of the contest will

(See Design Contest, Page 22.)

NOTES FROM THE HORTICULTURIST.

The arrival of Spring and Summer signifies a time of activity for the camellia grower. Many chores need to be attended to during this time of year to assure the continued health and beauty of your plants.

Early Spring is the time when major pruning of plants should be done. If pruning is done before new growth emerges on the plant, the energy of the plant will be channelled to where you would like it. Pruning is not an essential part of camellia culture, however, it will help to maintain a plant's good health and appearance. First, all weak and spindly growth should be removed as well as any diseased or dead branches. Any branches growing inward toward the center of the plant and those that cross other branches should also be removed leaving the strongest branches to form the framework of the plant. All branches showing symptoms of dieback should be removed. Cut off stems at least one inch below the discolored (diseased) wood. Pruning shears should be sterilized between plants to prevent the spread of disease. Dip the shears in a solution of Benlate and water, bleach and water, or diluted alcohol. After removal from the plant, all diseased wood should be burned. Other material can be composted. Pruning which thins out the growth in the interior of a plant to allow better air circulation will help reduce insect and disease problems. Light pruning can be done throughout the year but caution must be observed. Flower buds that form in June can be removed with pruning. Also, heavy pruning will stimulate new growth and should be avoided in the Fall or Winter to prevent cold injury to tender shoots. Those who grow

Betty Hotchkiss

Air layering is a fairly simple method of propagation resulting in a 12-18 inch plant in a few months. Air layers usually are begun in the Spring when plants are beginning to grow. First, select a healthy limb which will produce a nicely shaped plant. Completely remove a ring of bark 1½ to 2 times the diameter of the branch to be air layered. This should be 12-18 inches from the tip of the limb. The bark may be removed with a sharp knife or scissors. All traces of the green cambium layer should be removed by scraping with a knife. The exposed area can then be dusted with a rooting hormone. The areas should then be covered with a handful of pre-soaked sphagnum (not camellias for show winning blooms usually prune and disbud heavily to send the energy of the plant into the production of fewer, large blooms.

Fertilization is also a Spring chore to be tended to. Camellias in the ground respond well to a basic garden fertilizer such as 10-10-10 which provides the essential major elements. Applied in early Spring, this will provide the plant with needed energy for new growth. A second application two months later will help as flower buds begin to form.

Mulching should be replenished as necessary in the Spring. Two to three inches of mulch will help conserve moisture during the hot Summer months and reduce weeds around the plants. Pine straw, ground bark, and other organic mulches will help to provide nutrients also as they begin to decompose.

peat) moss from which excess water has been squeezed. Wrap this tightly with a piece of plastic wrap and tie securely at top and bottom with twist ties. Cover this ball with aluminum foil. By late Summer or early Fall the roots should be visible through the moss. The limb may then be removed from the mother plant by cutting at the bottom of the moss. Remove plastic and soak in water. Do not attempt to remove the moss as it may damage tender roots. Best results will usually be obtained by planting in a container. Stake the young plant and place in shade until good roots have formed.

The Spring season is also the time of year when insects, pests, and diseases become active. As the weather warms it is wise to keep a sharp lookout for problems which may arise. Unlike some ornamentals, camellias do not require a weekly or programmed spray schedule. It is best to spray at the first sign of any trouble, however. Scale insects are often observed on the bottomside of lower leaves and will spread if not controlled. Aphids will be attracted to new growth on camellias but can be easily controlled with a soapy spray of mild insecticide. Spider mites may also show up as the weather gets hot. These can be controlled by repeated sprays of a miticide. Dieback and canker of camellia, caused by a fungus, may appear in the Spring. Sprays of a fungicide during the leafdrop period in late Spring will help control spread of this disease.

As you go about the Spring chores of camellias, remember that the work you do now will be rewarded by beautiful blossoms next year.

ELECTIONS OF DIRECTORS AND DIRECTORS-AT-LARGE FOR THE PACIFIC COAST TERRITORY.

This Fall is the time to elect or reelect State Directors and Directors-at-Large for the Pacific Coast Territory. In accordance with the By-laws the Pacific Coast Vice President, Edith Mazzei, serves as chairman of the Nominating Committee. It is important for you to know that you as an ACS member as well as the local *camellia club or society* have the opportunity to make nominations for the State Director of your state and for the two Directors-at-Large. You must have permission of the nominee

before forwarding, in writing, the name or names to the Chairman of the Nominating Committee.

The names of the nominees should be sent in promptly so that the Chairman can send in the nominees and a one paragraph description of the candidates for publication in the August issue of *The Camellia Journal*. Send your nominees to Mrs. Edith Mazzei, 1486 Yosemite Circle, Concord, CA 94521 before June 1. The Chairman will then forward the information to the Executive Director

by June 15 for publication. Other members of the Nominating Committee are: Mr. Ken Hallstone, 996 Victoria Court, Lafayette, CA 94549 for California and Mrs. Alton Parker, P.O. Box 261, Newberg, OR 97132.

The current Directors and the Directors-at-Large are listed below with a brief statement as to whether that person is eligible for reelection.

State Directors

California — H.C. Rambath

Mr. Rambath is the President of the American Camellia Society. He was installed at the Annual Meeting in April at Massee Lane Headquarters. He is *not* eligible for reelection.

Oregon/Washington — Alton Parker
Mr. Parker is completing his second term. He is *not* eligible for reelection.

Directors-at-Large

Robert Kellas is completing his first term. Mr. Kellas is eligible for reelection.

Thomas Hughes is completing his first term. Mr. Hughes is eligible for reelection.

Ballots will be mailed September 1 to members residing in the Pacific Coast states.

— ACS —

ADDITIONAL JUDGES APPOINTED

Terms of all Judges and Novice Judges listed herein expire December 31, 1994.

CALIFORNIA

Davis:
Jan Wilkens-Veras (Novice)

FLORIDA

Shalimar:
James B. Young (Novice)

Tallahassee:
Marion J. Lawless

LOUISIANA

Slidell:
Wayne R. Wilcox
Patricia Wilcox

TEXAS

Livingston:
Mrs. Robert M. Henry (Novice)

Camellias Registered With The ACS Since The February 1989 Journal

Name and Description	Registry Number	Originator
'Noonie Carroll', medium, medium pink with light pink inside petals, formal double, <i>C. japonica</i> chance seedling, mid-season	2099	Ferol & Sam Zerkowsky
'Candy Mint', miniature to small, pink heavily striped red petals and petaloids, anemone form <i>C. japonica</i> chance seedling, mid-season	2119	Nuccio's Nurseries
'Desert Moon', large to very large, light pink with deep pink toward petal edge, semidouble, <i>C. reticulata</i> hybrid of 'Lasca Beauty', mid-season	2120	Nuccio's Nurseries
'Grand Marshall', medium to large, rich deep red, anemone to peony form, <i>C. reticulata</i> chance seedling, mid-season	2121	Nuccio's Nurseries
'Grape Soda', small to medium, lavender to lavender red, single <i>C. japonica</i> chance seedling, mid-season to late	2122	Nuccio's Nurseries
'Midnight Magic', medium, very dark maroon red, peony form, <i>C. japonica</i> chance seedling, late	2123	Nuccio's Nurseries
'Nuccio's Carousel', soft pink toned deeper at edge, semidouble, <i>C. japonica</i> chance seedling, early to late	2124	Nuccio's Nurseries
'Nuccio's Pink Lace', medium to large, blush pink, semidouble to anemone to peony form, <i>C. japonica</i> chance seedling, early to late	2125	Nuccio's Nurseries
'Royal Velvet', large, dark velvet red, semidouble, <i>C. japonica</i> chance seedling, mid-season	2126	Nuccio's Nurseries
'Silver Dollar', medium, white, peony form, <i>C. sasanqua</i> chance seedling, early to mid-season	2127	Nuccio's Nurseries
'Silver Tower', medium, white, semidouble, <i>C. japonica</i> chance seedling, mid-season	2128	Nuccio's Nurseries
'California Sunrise', medium to large, blush pink, semidouble, <i>C. sasanqua</i> x <i>C. reticulata</i> seedling, early	2129	Nuccio's Nurseries
'California Dawn', light pink, semidouble to peony form, <i>C. sasanqua</i> x <i>C. reticulata</i> chance seedling, early to mid-season	2130	Nuccio's Nurseries
'California Sunset', deep rose pink, semidouble, <i>C. sasanqua</i> x <i>C. reticulata</i> chance seedling early	2131	Nuccio's Nurseries
'Orchid Princess', large, pale orchid pink, semidouble <i>C. saluenensis</i> hybrid chance seedling, mid-season to late	2132	Nuccio's Nurseries
'Trophy', large, medium orchid pink, rose form double, <i>C. japonica</i> 'Margaret Davis' x <i>C. reticulata</i> 'Nuccio's Ruby', late	2133	Nuccio's Nurseries
'Easy Virtue', very large, bright red with dark red veining, single <i>C. reticulata</i> (<i>C. reticulata</i> 'Crimson Robe' x Granthamiana) x 'Mouchang', early to mid-season	2134	Walter F. Homeyer
'Bobbie Fain', very large, clear bright red with darker deep-red radial veining, center petals occasionally have whitish, radial vegetative variegation, semi-double to anemone form <i>C. japonica</i> 'San Dimas' x 'Pirate's Gold', early to late	2135	Walter F. Homeyer

A POTPOURRI OF INFORMATION

Horticulturally Speaking.

What started out as a "How I Propagate My Favorite Camellias," has turned out to be a potpourri. It is always best for people to write about what they feel most comfortable with, so any topic suggestion I may make is merely a starting point from which to digress. However, we shall start out with the topic in mind, "propagation," and carry on from there.

Grafting

When is the best time to graft camellias? I believe this varies somewhat on where you live and what kind of grafting you do. Of course, cleft grafting is the most popular (and perhaps the easiest) method and the usual time listed in print is from January through March. My own experiences over the years

have led me to believe that "early" winter grafting is better than late winter. I seem to have a consistently better percentage of survival from grafts done in November or December than in January or February. Percentages really seem to drop off as grafting is advanced to March or April. Since almost all of my grafting is done in the greenhouse, the reason for this is, no doubt, due to the high temperatures experienced during late winter/early spring. It is simply a matter of too much activity and growth of the scion before it has had adequate time to callous and knit to the stock. In the case of nurse grafting (to be discussed later) this is no problem and with this method I can graft any old time except when the plants and scions are in soft growth.

Next, I would like to share a couple of tricks I saw used in Japan several years ago. The first involves the covering of the stock-scion union area of completed cleft grafts with aluminum foil. This is based upon the assumption that callous tissue develops more rapidly in the dark than in the light. Since the union of stock to scion is dependent upon callous tissue to unite the cambium layers of the stock with that of the scion, any method that would exclude light should hasten the union. Two-inch squares of aluminum foil

Committee on Horticulture

are slit from the middle of one side towards the center, if there is one scion grafted to the stock. The square is then slid across the cut surface of the stock so the base of the scions slides through the slit. The aluminum is then folded down over the stock and snugly fit around the scion at the point of union. If there are two scions to a stock, then larger squares may be needed and the slit comes in

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about a third from the middle of opposite sides of the square. Here it becomes a little more tricky to position the aluminum foil over the stock surface and snugly around the base of each scion. Several of my Japanese friends claim that by excluding light from the union area, thus facilitating rapid callous growth, that it is not important that the cambium tissues of stock and scion be matched; that the callous tissue will bridge any gap quite readily. In fact, one Japanese nurseryman in the Western coastal area claimed he purposely offset his scions slightly, to encourage callous bridging.

Another technique I saw used on a large scale by some Japanese nurserymen, was a modification of the standard approach graft. In the approach graft, usually a container grown rootstock is set or hung next to a large plant of the desired cultivar. A slice of tissue is cut from the side of a branch on the cultivar and from the trunk of the potted plant. The cambium layers are brought together and the two tied to make a tight union. Since both cultivar and rootstock are on their own roots, there is no need for covering the graft to protect it from moisture loss. Later, after the graft union has securely joined, the branch is cut from the cultivar below the graft union and the top of the rootstock is cut off

above the graft. Instead of using a large cultivar plant, the Japanese version I saw used extra long pieces of scion wood instead, with the base of the scion inserted in a small bottle of water solution. The approach graft is made the standard way except for about a three-inch 'tail' to the scion below the union. Here, a small bottle is placed at the base of rootstock or tied to its trunk. Like with the standard approach graft, no moisture retaining protective covering is needed. However, there is one caution, the water in the bottle needs to be replenished regularly and checked for possible mold formation. A weak fertilizer solution may be added to the water, but I am not sure that it does any good - and it does seem to increase the chances of mold growth. At one Japanese nursery, it was quite interesting to see greenhouses filled with these 'nurse' grafts with the many thousands of small bottles associated with them. My first thought was the tedious job it must be to check those bottles on a regular basis.

Red Spider Mites

Turning to a completely different subject, we come to the problem of red spider mites. Here, I have a letter from:

Dr. Walter Homeyer, Macon, GA - Kelthane has been used effectively in the past, but has been taken off the

market and the oil sprays have been changed. One possible solution is "Maurik" (fluvalinate) from Zoecon Corporation, Palo Alto, CA. It is relatively non-toxic (about the same as Malathion). Walt has found it to be effective. Also, even on oyster shell scale and on aphids, thrips, white flies and leaf feeding caterpillars. It is, however, expensive (around \$20.00 for 8 oz.), but requires only 1.5 cc per gallon), so it is pretty cost effective.

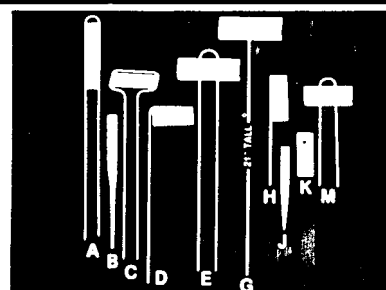
Nutrients Help Plants Survive Cold Snaps

Barbara Butler, Modesto, CA - sent a copy of an article that appeared in the February 18th issue of the California Farmer entitled "Nutrients Help Citrus Survive Cold Snaps". Of course, what is true for oranges and grapefruit is not necessarily also going to be true for camellias, but where basic principles are involved, applications are usually broadly based. None-the-less, I am summarizing the highlights of the article in hopes that at least some of it may be applicable.

Citrus trees, if properly conditioned, can survive temperatures as low as 21°F, an Arizona plant nutritionist believes. Albin Lengyel is so convinced that his nutrient formula will build the trees' resistance to cold that he applied for, and received, a patent on the formulation.

Lengyel believes that the nutrient balance in the tree enables it not only to resist cold, but also to protect its fruit from heat stress. Leaf analysis

(Continued on Page 14)



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Meet Susan!



Susan Bryan Plummer, Gift Shop manager and coordinator for our new Annabelle Lundy Fetterman Educational Museum.

Susan Bryan Plummer is the newest employee at Headquarters. Susan is serving as the Gift Shop Manager and Building Coordinator for the Annabelle Lundy Fetterman Educational Museum. She came aboard on March 6 and has been busy preparing stock for the opening of the gift shop. Many of you will remember the very pretty brunette "Southern Belle" at the Middle Georgia Camellia Shows. That was Susan. While in college, she assisted at the Christmas "Open House" events. Susan is no stranger to Massee Lane. She is the daughter of Helen and Charles Bryan. Helen has been an employee for several years and Charles has been a great supporter of the ACS as well.

Susan brings to this position all of the necessary skills plus a great deal of enthusiasm. She will be happy to assist you in gift selections for all occasions. She will gift wrap your selections and mail them, if you desire. If you are interested in renting the new building, contact Susan at (912) 967-2722.

She and her husband, Ricky, live in Fort Valley. We are extremely happy to have Susan as a member of the staff.

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Refer to 1981 Nomenclature for description. Please send any information on where I may purchase plants or scions to:

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(The name in boldface type indicates the person in whose memory the donation has been made as of March 7, 1989)

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PUBLICATION DEADLINES

Articles and advertising for the *Camellia Journal* must be at the Headquarters as follows:

For November issue
September 1
For February issue
December 1
For May issue
March 1
For August issue
June 1

Material for the ACS YEARBOOK must be at Headquarters by August 1.
Please type and double space all material for the Journals and Yearbook.

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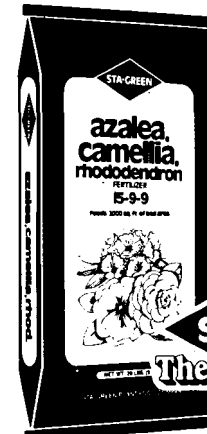
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WHY I LIKE CAMELLIAS.

Early on a cool foggy morning in February, I walk in my Camellia Garden. This is blooming season for the varieties I have planted and tended in my back yard, and they have put on a show for me. I am alone, so I talk softly to them. Sometimes I whisper, sometimes I mumble, sometimes I talk out loud but always I talk to them and they tell me things in return. I stop before the five foot tall 'Charlean.' Its rich green leaves are damp with the dew from the fog and the blooms that opened

so I brought it in the fishing boat with the other fifteen plants. It blooms, but not a 'Tomorrow' bloom at all, but a large pink single bloom with the stamens showing.

I stop by the huge 'Mathotiana', towering taller than any other camellia. This tree shows formal double blooms of rich red color with purple tinges along the edge of the petals. In Pensacola it goes by the name of 'Purple Dawn.' Perhaps a hundred blooms are on this bush at any one time. This is the most popular variety in Tampa, where few newcomers know about the fun of growing camellias.

Next door to our newly purchased home in Tampa there was a camellia bush that was dying. It had been planted too deep in the ground, and even though, with permission of the owner, I dug it up and replanted it properly, it continued to decline and died months later. I had grafted a healthy scion from it onto a vigorous 'Professor Sargent' plant. It turned out to be a 'Mathotiana Supreme,' and blooms up to its name. These blooms measure six inches in diameter. The stamens show and the eight foot bush with a hundred blooms at one time is, indeed spectacular.

I stop by the 'Sarah Frost' bush. In January 1900 only 'Sarah Frost' camellias were blooming for my Mother's wedding. A friend brought her a basketfull. On their Golden Wedding anniversary I went by the home where the old bush was still growing, and took my mother another basket of blooms. She rooted two of the twigs that were cut with the blossoms, and gave me one of them, two years later. I planted it in a particularly fertile spot in my Tallahassee yard, and it was too big to move fifteen years later when I came to Tampa. I brought cuttings, and have reminders of a happy event of long ago growing in my yard.

I talk to them, and they talk back.

Wilson Sistrunk

last night make me catch my breath in awe. It is five inches across and two inches deep with petals of pure white with variegated pink markings, and a few stamens showing. I grafted this hybrid about 1955 in Tallahassee, and brought it to Tampa in 1967. I sometimes think this is Georgia's favorite.

I move a few steps to the big white 'Alba Plena' given to me by Jim Hackett. This bush stands under the pines and is perhaps eight feet tall. It started blooming in October and only a few of its pure white formal double blossoms are still coming out. This variety does not throw seed, and is propagated only by cuttings. I rooted the other two 'Alba Plena' bushes in the yard; one of them in 1952. I learned a lesson in humility when a lady told me she almost asked me for some of these white blooms for her daughter's wedding, but was afraid. As long as she worked in my office, she had a camellia bloom on her desk every week.

I pass by 'Fran Mathis', a delicate pink that is just beginning its blooming season, and pause a moment at the 'Tomorrow.' Many years ago I obtained a purple variegated 'Tomorrow' scion, and grafted it into a healthy root stock. It had not bloomed when we left Tallahassee,

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- Mrs. Russell Spangler**, Griffin, GA
Dr. & Mrs. Earl Beatty, Jr.
Mrs. Milton H. Brown
- Mr. James Edward Stephens, Sr.**
West Carolina Camellia Society
- Mr. Rudy Tatum**, Brandon, MS
Mr. & Mrs. Walter B. Patterson
- Mrs. John Terry**, Fort Walton Beach, FL
Fort Walton Camellia Society
Mr. & Mrs. Thomas H. Julian
- Mrs. William T. Tyson**, Memphis, TN
Miss Martha E. Jayroe
- Mr. Milton Vallery**, Forest Hill, LA
Mr. & Mrs. W. F. Mann
- Mrs. Harry D. Watson**, Charlotte, NC
Mr. & Mrs. Paul A. Dahlen
Mrs. Milton H. Brown
Dr. & Mrs. Daniel E. Nathan
Dr. C. David Scheibert
Mr. & Mrs. Lewis M. Fetterman
Polly McCleary
Mr. & Mrs. Pope Lyon
Men's Camellia Club of Charlotte
Mr. & Mrs. Rea S. Hartis
Hall & Frances Hanks
Atlantic Coast Camellia Society
Bonnie G. Holtzclaw
Mr. & Mrs. Carl M. Allen, Jr.
Col. & Mrs. Edwin L. Atkins
Mr. & Mrs. Thomas C. Evans
Mr. & Mrs. W. T. Shepherd
Mr. & Mrs. Robert J. Fowler
Mrs. R. D. Hicks
- Mr. W. B. Wood**, Pensacola, FL
Mr. & Mrs. John R. Comber
Miss Carol Comber

Horticulturally Speaking...

FROM PAGE 11.

studies made in a lemon grove showed that around the first of June, the nitrogen and potash available to the trees was extremely low because the load of new growth and bearing was sapping up nutrients. Lengyel felt he did not want to stress the trees for the next year, so the nutrients put on in the summer will pay off in the next year's crop (a similar parallel situation might exist in early summer nutrition for flower bud initiation in the late summer in camellias).

Lengyel credits potassium with helping a tree survive temperature extremes, while recognizing that there is still a lot of controversy over the exact cause of frost damage. One thing scientists do generally agree on, however, is that damage to plants results from freezing of intercellular water.

In reviewing research, Lengyel found that glycerol and sugars have been shown to improve plant survival when applied before a freeze. An Idaho scientist, Fred M. Jaquith, had test results showing that as much as an additional 10°F frost protection was achieved when trees were sprayed with sugarbeet molasses at bud-swelling stage and then exposed to cold stress one week later.

Lengyel, in his own field tests, did not find that sugar applied alone on citrus and peach trees had any real frost protection effect. However, when sugar was combined with magnesium, potassium manganese, and iron, there was an effect. He also found that his compound needs to be applied two days before a freeze to be most effective.

Grafting

Fred G. Hahn, Charlotte, NC - One of the most important things about grafting is to have a good healthy, strong growing understock that has not been heavily fertilized the summer before one plans to graft. The majority of the time, I use *sasanqua* seedlings that I have grown.

I graft mostly to get *good strains* and newer varieties. We have all seen that a bloom of a particular variety that one person grows is superior to other blooms of the same variety.

The tools and supplies I use for grafting are pruning shears, a sharp

pocket knife, a small fine tooth saw, a small hammer, rubber bands, a small screwdriver, paper cups, sand, benomyl, Captan® and 2-liter plastic coke bottles.

All my understock is container grown and I like to use an understock that is about ¾ inch in size. I cleft graft. I mix 2 teaspoons of benomyl and 3 tablespoons of Captan® in one gallon of water and soak my scions in this mixture for about 15 minutes before grafting. I clean all my tools in the same mixture.

With the saw I cut off the stock about 4 inches above the soil level making a sloping cut which I trim smooth with my knife. I place my knife in the top of the stock and tap lightly with my hammer until I have a slit about 1½ inches long. Then, using my knife, I trim my scion in a wedge shape with the inside edge being thinner. I force the screwdriver in the top of the split, spreading it open and insert my scion. I always place my scion at an angle so as to cross the cambium layers of my scion and understock. If I feel that the stock will not hold the scion firmly, I wrap a plain rubber band around the top of the stock. I usually use a scion with two leaves and trim off ½ of each leaf with the pruning shears.

I place 2 inches of sand on top of the soil around the understock. Then, I cut the bottom out of a paper cup and carefully slide it down over the stock and scion. I fill the cup full of sand and soak it with the benomyl-Captan® solution making sure the union between the stock and scion is covered with sand. Removing the bottom of the 2-liter coke bottle, I place the bottle over the graft and place in the shady side of my greenhouse under larger plants. With this method a paper bag is not needed since the graft is in the shade.

The first step in the hardening off process is removing the cap from the bottle. I usually start this when the graft gets an inch or two of growth. After doing this for a while, I start the slow, gradual removal of the bottle. Since I am retired, I remove the bottle and check frequently. I cover when the new growth wilts slightly and eventually remove the cover.

• 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.)

ALABAMA

MOBILE, January 21-22, 1989. (49th Annual)
Sponsor: Mobile Camellia Society
No. Blooms Displayed: 2000. Attendance: 3000.
ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Tomorrow Var.',

John Rogers

Medium: 'Ville de Nantes', John Rogers

Small: 'Maroon and Gold Var.', Florence Rush

Miniature: 'Tom Thumb', Mr. & Mrs.

H. S. Stone

C. japonica: (Protected)

Large-Very Large: 'Tomorrow Park Hill',

John Rogers

Medium: 'Linda Brothers', John Rogers

Small: 'Hishi-Karaito', Richard Carter

Miniature: 'Tammia', James Smiley

C. reticulata:

In Open: 'Dr. Clifford Parks',

Dr. & Mrs. Lyle Robertson

Protected: 'Howard Asper Var.',

Bagby Hall

C. hybrid: (In Open)

Large: 'Waltz Dream', John Rogers

Medium: 'Julia Var.', Mr. & Mrs. J. R. Comber

Small-Min.: 'Spring Festival', T. E. Lundy

C. hybrid: (Protected)

Large-Very Large: 'Mona Jury', Jim Newell

Medium: 'Julia', Mr. & Mrs. Ed Atkins

Small-Min.: 'Freedom Bell', James Newell

Best White, In Open: 'Nuccio's Gem',

John Rogers

Protected: 'Snowball', Bagby Hall

ACS GOLD CERTIFICATES:

In Open: Mr. & Mrs. C. C. Torres

Protected: Bagby Hall

ACS SILVER CERTIFICATES:

In Open: Mr. & Mrs. H. S. Stone

Protected: Mr. & Mrs. George Griffin

NUMBER OF ACS MEMBERSHIPS SOLD:
Two.

CALIFORNIA

MORAGA, February 18-19, 1989. (25th Annual)
Sponsor: Delta Camellia Society
No. Blooms Displayed: 1017.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Miss Tulare Var.', Mr. & Mrs. Larry Pitts

C. japonica:

Very Large: 'Royal Velvet',

Mr. & Mrs. Larry Pitts

Runner-up: 'Bob Hope', Mr. & Mrs. Larry Pitts

Large: 'Onetia Holland', Mr. & Mrs. Pete Galli

Runner-up: 'Nuccio's Jewel',

Mrs. William R. Breuner

Medium: 'Elizabeth Weaver', Al Taylor

Runner-up: 'Charlotte Johnson',

Mr. & Mrs. Larry Pitts

Small: 'Kuro-Tsubaki', Mr. & Mrs. Larry Pitts

Runner-up: 'Black Tie', Mr. & Mrs. Larry Pitts

Miniature: 'Kewpie Doll',

Dr. & Mrs. Fred Heitman

C. reticulata:

Over 5½": 'Miss Tulare Var.',

Mr. & Mrs. Larry Pitts

Under 5½": 'Edith Mazzei',

Mr. & Mrs. Larry Pitts

C. hybrid

Best Bloom: 'Gay Time',

Mr. & Mrs. Larry Pitts

Runner-up: 'Julie Var.',

Mr. & Mrs. Don Bergamini

• SHOW REPORTS • SHOW REPORTS •

Best White:

'Silver Cloud', Mr. & Mrs. Larry Pitts
 Runner-up: 'Onetia Holland',
 Mr. & Mrs. Pete Galli

ACS GOLD CERTIFICATE:

Mr. & Mrs. Larry Pitts

ACS SILVER CERTIFICATE:

Mr. & Mrs. Don Bergamini

YOUTH DIVISION:

Japonica: 'Ecclefield', Audrey Schumer
 Runner-up: 'Flame Var', Audrey Schumer
 Hybrid: 'Coral Delight', Janceen Bergamini
 Runner-up: 'Mary Phoebe Taylor',
 Janceen Bergamini
 Miniature: 'Mini Pink', Janceen Bergamini
 Runner-up: 'Ave Maria Var', Janceen Bergamini

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

FLORIDA

GAINESVILLE, January 7, 1989. (15th Annual)
 Sponsor: Gainesville Camellia Society
 No. Blooms Displayed: 602. Attendance: 10,000+.
ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Francie L. Var', Marvin Jernigan

C. japonica: (In Open)

Very Large: 'Fire Dance',
 Mr. & Mrs. J. H. Hintermister
 Very Large, Treated: 'Tomorrow Park Hill',
 Jay Ellis
 Medium, Treated: 'Campari', Ivan Mitchell
 Small, Untreated: 'Little Babe Var',
 Ivan Mitchell
 Miniature, Untreated: 'Little Slam',
 Mr. & Mrs. Bill Boll

C. japonica: (Protected)

Very Large: 'Elizabeth Dowd Silver',
 Annabelle Fetterman
 Miniature: 'Something Beautiful',
 Annabelle Fetterman

C. reticulata:

In Open, Over 5": 'Valentine Day',
 Jim Cooper
 Under 5": 'Black Lace Peony', Ivan Mitchell
 Protected: 'Francie L. Var', Marvin Jernigan

C. hybrid:

Best Bloom: 'Mona Jury',
 Annabelle Fetterman

C. sasanqua:

Best Bloom: 'Star Above Star',
 Mrs. H. C. Abelein, Jr.

ACS GOLD CERTIFICATE:

Mr. & Mrs. Bill Boll

ACS SILVER CERTIFICATE:

Dr. & Mrs. Howard Smith
 Best Fragrant Bloom: 'Kramer's Supreme',
 Mr. & Mrs. Cecil Simmons
 Best Seedling: C. japonica 'Alda Boll',
 Mr. & Mrs. Bill Boll

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

TALLAHASSEE, January 7, 1989. (29th Annual)
 Sponsor: The Camellia & Garden Club of
 Tallahassee

No. Blooms Displayed: 1084.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

In Open: 'Ville de Nantes', James M. Gilchrist

Protected: 'Betty Sheffield Supreme',
 Mr. & Mrs. Fred Hahn

C. japonica: (In Open)

Large-Very Large: 'Tomorrow Var',
 Mr. & Mrs. Lee Roy Smith
 Medium: 'Betty Sheffield Supreme',
 R. N. Brock

Small: 'Pink Perfection', Matt Hill

Miniature: 'Something Beautiful',
 Mr. & Mrs. Bob Gramling

C. japonica: (Protected)

Large-Very Large: 'Show Time', W. H. Rish
 Medium: 'Cherries Jubilee',
 Mr. & Mrs. Bob Gramling
 Small: 'Little Babe', Jim Newell

C. reticulata:

Best Bloom: 'Rob Roy', T. E. Lundy

C. hybrid:

In Open: 'Julie', Mr. & Mrs. Lee Roy Smith
 Protected: 'Elsie Jury', James Newell

ACS GOLD CERTIFICATES:

In Open: Tom Adams
 Protected: James Newell

ACS SILVER CERTIFICATES:

In Open: T. E. Lundy
 Protected: Mr. & Mrs. Bob Gramling
 Best Miniature, In Open: 'Something
 Beautiful', Mr. & Mrs. Bob Gramling
 Best Miniature, Protected: 'Grace Albritton',
 Dr. C. David Scheibert

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

TAMPA, February 4-5, 1989. (2nd Annual)
 Sponsor: Tampa Bay Area Camellia Society
 No. Blooms Displayed: 1378. Attendance: 10,000.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large: 'Dennis Vaughn', James Young
 Medium: 'Ville de Nantes', Bob Gramling
 Small: 'Ruby Mathews', Richard White
 Miniature: 'Tammia', Bob Gramling

C. japonica: (Protected)

Large: 'Elegans Champagne', Bob Gramling

C. reticulata:

In Open: 'Terrell Weaver', Bob Gramling
 Protected: 'Miss Tulare', Frank Jamison

C. hybrid:

In Open: 'Julie Var', Bob Gramling
 Protected: 'Mona Jury', Dr. Dan Nathan
 Best White: 'Snow Chan', Bill Skipper
 Best Bloom: 'Charlean Var', Dennis Martin

ACS OUTSTANDING ARRANGEMENT CERTIFICATE:

Creativity: Jennie Harwell

NUMBER OF ACS MEMBERSHIPS SOLD:

Eleven.

GEORGIA

WAYCROSS, November 16-17, 1988. (39th Annual)
 Sponsor: Federated Garden Clubs of Waycross &
 Trust Co. Bank

Number Blooms Displayed: 472. Attendance: 228.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Valentine Day', Mrs. C. W. Barfield

(Continued on Page 20.)

Future Meetings of the AMERICAN CAMELLIA SOCIETY

October 18-21, 1989
 Natchez, MS

Spring 1990
 Open

Fall 1990
 Open

Spring 1991
 Descanso Gardens,
 Los Angeles, CA

Fall 1991
 Open

Spring 1992
 Walnut Creek, CA



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 CLINTON, NORTH CAROLINA

THIRTY-EIGHTH ANNUAL

Ozone Camellia Club Show.

I've been thinking about age a lot lately, probably because my own is creeping up on me, but also because 1988 was Slidell's Centennial Year, and the city turned out en masse to celebrate 100 years of existence. The Ozone Camellia Club dedicated its December, 1987, show to the city. The Centennial logo featured a 'Pink Perfection' camellia (Slidell is Louisiana's Camellia City) and the dates 1888-1988.

In our Club, the core members are not young. John Geiser is past seventy, as is Joe Johnson. Gladys Menard won't tell her age, but she's certainly over forty. One of the things you will notice when attending camellia shows is that the serious growers are also not young, but collectively average perhaps 60-years-of-age. When you talk to some of these (many of them judges), they will start to reminisce and you will soon hear that shows in the past (the "good old days") boasted many more blooms than you see exhibited today. Does this mean that camellia growers are a dying breed and are not being replaced by a younger generation?

The 1988 Camellia Show was dedicated to Dr. William L. Folse, one of the founding members of the Club. Dr. Folse was born in 1898 (ten years after the city was chartered), and practiced dentistry in Slidell for 42 years. He had the first X-ray machine in town and began a program for fluoride treatment of the city's school children. He remains an ardent grower and still exhibits his flowers.

When Dr. Folse, Ernest Judice, and Joseph Johnson started the Club in February, 1951, 5,000-10,000 blooms were common at shows. This year, there were probably 1,000-1,500

entries, which would support the premise that camellia culture is becoming passe, but it was also evident that the quality of the blooms had not diminished with the numbers. But there was another interesting fact: younger faces showed up at the head table, and there were younger faces who were judging. Our own Club has recently commissioned ten new judge-couples. That, and the fact that the Slidell City Council has given the beautiful camellia the recognition it deserves by dedicating an entire city to its preservation and enhancement somehow would dispel any doubts about a growing, viable camellia community; the idea of a "dying breed of camellia growers" fades into a "changing breed of camellia growers," different, yet the same, and with the enthusiasm for camellia culture that has sustained the science for all these years. It is truly with a great deal of pride that our Club celebrates 100 years of a city and 90 years of Dr. Folse.

The Thirty-eighth Annual Ozone Camellia Club Show was held on Saturday, December 3, and Sunday, December 4. It was the culmination of many months of preparation by many able workers, all coordinated by Pat Wilcox. The ceremonies opening the Show began with an invocation by Dr. David Sebesta; Ginnie Fields, president of the Ozone Camellia Club, gave the welcome. Dr. James S. Holmes dedicated the Show to Dr. Folse. Christopher Schneider acted as Master of Ceremonies and introduced the members of the 38th Annual Camellia Court.

John Geiser crowned Queen Carmel Hattie Duplechain, daughter of Mr. and Mrs. Harold Duplechain, as Consort Robert Maurice Gambrell,



Rudy Kriegler

Jr., son of Mr. and Mrs. Robert Gambrell, stood by. The Honor Court was presented, consisting of Maid of Honor Jeanine Elise Kopfler; Duke of Honor Alexander Paul Kooney; Honor Maid Wendi Lea Hyerdale; and Honor Dukes Michael Brendon Donnelly and Michael Kelly Kriegler.

Attendants to the Queen were: Aimee Dubourg Chopin, Elizabeth Katherine Finn, Julie Yvette Matranga, Joseph Pryor Anderson III, and Arthur Anthony Caire V.

Maids were: Vanessa Lynn Bartfay, Belinda Michele Bernard, Valerie Loretta Boyd, Jacqueline Tyra Caire, Kelly Christine Cochran, Meghan Kaye Daugharty, Ashley Deanna



Dr. James S. Holmes presents the dedication plaque to Dr. William L. Folse, as Christopher Schneider observes.



The 1988 Ozone Camellia Club show court.

Fagg, Amy Elizabeth Gendusa, Pamela Darlene Henkel, Jennifer Carrie Matranga, Lora Randolph McClure, Margot Jeanne Paquin, Dawn Michelle Politte, Deboran Ann Schunior, and Susan Annette Tanner.

Dukes were: Scott Beadle, Gregory Lewis Berault, Shannon Borden, Fred Boudreaux, Christian Paul Callens, Jacob Holdne Cazayoux, Christopher Lynn Core, Keith Michael Ferguson, Mark Edward Ford, Mark Christian Graham, Steven Charles Kronlage, Rene Louis Milligan, Michael Nakazi, and Chad Russell Swan.

The top prizes for the Artistic Arrangements Division were won by the same person, Vesta Brogdon of the Country Club Estates Garden Club, for "Dawn," winner of the Tricolor Award, and "Love," winner of the Creativity Award.

Other awards given were: Tricolor Division: Class 1: second place, Connie Torina; third, Toni White;

*...celebrating
100 years of a city
and
90 years of Dr. Folse*

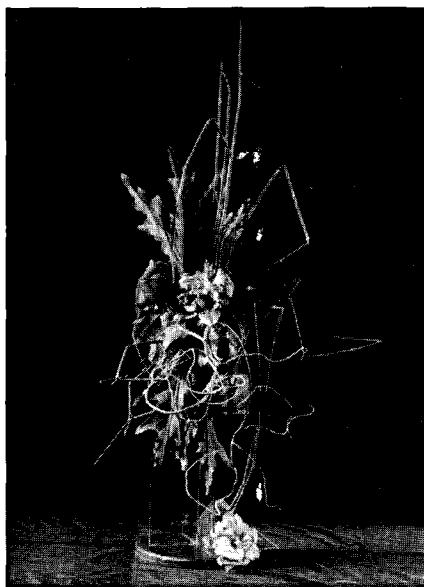
John Geiser crowns Queen Carmel Hattie Duplechain as Consort Robert Maurice Gambrell, Jr. watches.



OZONE CAMELLIA CLUB SHOW
 honorable mentions, Dorothy Strickland and Patsie Meyer. Class 2: second place, Sherran Frichter; third, Elaine Barber; honorable mentions, Lucille Hunter and Zelleigh Howze. Class 3: first place, Joy Leto; second, Harret Mullen, third, Pat Dalton and Emily Bartholomew; and honorable mention, Betty Dyken.

Creativity Division winners were: Class 4: second place, Sharon Wagner; honorable mentions, Val Erminger, Iris Folse, Connie Torrin, and Harriet Mullin. Class 6: first place, Patricia Koonney; second, Iris Folse; third, Sharon Frichter; and honorable mentions, Elaine Barber, Val Erminger, and Nell Forstall. Class 5 was a new category this year that was limited to judges only. The winner was Bea Garrett for her entry, entitled "Frustration."

Elizabeth Soeller again did a superb job as chairperson of the Artistic Arrangements Committee. Winners in the horticultural division may be found in the Show Reports listed elsewhere in this Journal.



Limited to judges only, the Class 5 winner was Bea Garrett for her design "Frustration".

At the judges' reception held at the Chamale Cove, I spoke with a couple of judges who asked me about our Court and the senior boys and girls in it. The question was "Is it worth all the work?" The answer is—Where

do you think the younger generation of camellia growers come from? When you analyze it, you reach the conclusion that not all of the girls and boys who are introduced to camellias through the Court become growers, but of the current growers, many of them began just that way. The mystique of walking down that aisle with the pretty dresses and tuxedos, amidst all those flowers, sticks with them—becomes a seed that somehow grows and out of that beginning, a grower-judge-enthusiast is born. Perhaps those clubs whose members are of the "senior generation" might consider this source of "junior generation" growers.



Queen Hattie Duplechain is holding the Queen's keepsake crown. Others pictured (L-R) are Show Chairman Pat Wilcox; Consort Robert Maurice Gambrell, Jr.; and Ozone Camellia Club President Ginnie Fields.

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Cut-off date for hotel reservations will be **October 1, 1989.**

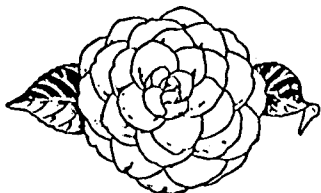
In Memoriam

Lena Fincher Watson

Lena, wife of the ACS North Carolina Director, Harry Watson, died on February 17 at the Presbyterian Hospital in Charlotte. The funeral was held the following Monday at Amity Presbyterian Church. Mrs. Watson was a Union County native but had lived many years in Charlotte. She joined the ACS in 1962 and was an Accredited ACS Judge. She and her husband were sought after judges in camellia shows in the southeast.

She was active in the Amity Presbyterian Church and was a Sunday School teacher. She served on the Board of Directors of Sharon Towers. She is survived by her husband, Harry; son, David Watson, Jr.; daughters, Mrs. Karen Watts and Mrs. Kathy Bartlett; a sister, Mrs. Gladys Penninger and six grandchildren. Lena will be missed by her many friends.

With the greatest
Respect and Admiration
for a Wonderful Lady
OUR THANKS go to
Annabelle L. Fetterman
for the fine new addition to
The American Camellia Society
at Massee Lane.



Jim and Mary Nelle Darden
Clinton, North Carolina

It is an honor
to have been chosen to
Paint the Portrait
of
Annabelle L. Fetterman
for the
**ANNABELLE LUNDY
FETTERMAN
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Congratulations & Best Wishes

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At the Island of The Beaches Camellia Pageant, Jacksonville Beach, Florida, December 3 and 4, (L-R) are Jennifer Thomas, Petal; Ann Blair Brown crowning Queen Wendy Becker; Jill Coleman, Petal; and Kristin Agate, Petal.

SPECIAL GIFTS.

(As of February 7, 1989)

Mrs. Thomas V. Pollard:
Camellia Books

Mrs. Ed Mathews:
Paper camellias

**John Newsome and
Buddy Cawthon:**
Honorarium-Program
Peachtree Garden Club

Mr. & Mrs. Jasper C. Bryan:
Contribution honoring
Dr. Daniel E. Nathan

Tom Dodd Nurseries:
Azaleas and assorted plants

Kenneth C. Hallstone;
Honorarium-Program Pleasant Hill Garden
Study Club

Betty Hotchkiss;
Honorarium-Program Lockerly Arboretum
Directors

**Mr. & Mrs. Thomas C. Evans and
Mrs. Milton H. Brown:**
Contributions honoring Mrs. Daniel E.
Nathan on her birthday

James C. Smith,
Old South Nursery
Large camellia plants for grounds of new
building

—**ACS**—

PATRONS

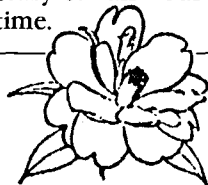
(Since February 1989 Journal)

Harry P. Leu Gardens, Orlando, FL
Shreveport Camellia Society,
Shreveport, LA

—**ACS**—

GIB Price Increase

ATTENTION! As of April 15, 1989 the price of A.C.S. Gib will increase from \$6.50 to \$7.50 per gram. The American Camellia Society has been licensed to sell gibberellic acid since 1984 and provides this as a service to its members. Due to rising costs, it has become necessary to raise our price at this time.



SUSTAINING AND JOINT SUSTAINING

(Since February 1989 Journal)

Capital Nursery, Sacramento, CA
Mrs. F. Stanton Deland,
Chestnut Hill, MA
Mr. & Mrs. A. W. Garner,
Glendale, CA
Mr. & Mrs. Philip W. Ireland,
Bethesda, MD
Mrs. Charles A. Keaton, Vienna, VA
Mrs. John G. Kressman, Trenton, FL
Mr. & Mrs. C. G. Malmberg,
Brookeville, MD
Peach Valley Office Supply,
Fort Valley, GA
Universitäts-Bibliothek Abt.
Zentralbibliothek, GERMANY

• SHOW REPORTS •

(From Page 15)

C. japonica:

In Open: 'Lafe Alewine', Martha Alewine
Runner-up: 'Nuccio's Gem', Frank D. Jamison
Protected: 'Dawn's Early Light',
Marvin Jernigan

C. reticulata:

Best Bloom: 'Lasca Beauty',
Dr. Daniel E. Nathan

C. hybrid:

Best Bloom: 'Anticipation Var.',
Mrs. C. W. Barfield

C. sasanqua:

Best Bloom: 'Bonanza Var.', Evelyn Murray
Runner-up: 'Apple Blossom', Nancy Porter
Best White: 'K. Sawada', Lois Groszmann
Best Novice: 'Apple Blossom', Nancy Porter

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

LOUISIANA

BATON ROUGE, January 7, 1989.

Sponsor: Baton Rouge Camellia Society

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Fashionata', John Rogers
Medium-Large: 'Betty Sheffield Supreme',
John Rogers

Medium: 'Sawada's Dream', John Rogers
Small: 'Grace Albritton', John Rogers
Miniature: 'Pearl's Pet', Dr. Alvin Johnson

C. japonica: (Protected)

Large-Very Large: 'Silver Cloud',
Mr. & Mrs. C. C. Bush
Medium-Large: 'Cherries Jubilee',
Mr. & Mrs. C. C. Bush
Medium: 'Linda Brothers',
Mrs. Clyde Copeland
Miniature-Small: 'Hopkins Pink',
Richard Carter

C. reticulata:

In Open: 'Dr. Clifford Parks',
Mr. Richard Leon
Protected: 'Bethany Fatherree',
Mrs. Clyde Copeland
Runner-up: 'Francie L.', John Rogers

C. hybrid:

In Open: 'E. G. Waterhouse',
Mrs. Lloyd Huerkamp
Protected: 'Taylor's Perfection',
Hyman Norsworthy
Runner-up: 'Elsie Jury Var.',
Mr. & Mrs. W. B. Patterson
Best White: 'Lucy Stewart',
Mrs. Clyde Copeland

ACS GOLD CERTIFICATES:

In Open: Mr. & Mrs. Henry S. Stone
Protected: John Rogers

ACS SILVER CERTIFICATES:

In Open: Mr. & Mrs. Mike Cannon
Protected: Bagby Hall

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

LAKE CHARLES, January 21, 1989. (38th Annual)

Sponsor: Southwest Louisiana Camellia Society
Number Blooms Displayed: 873. Attendance 50+.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Dr. Clifford Parks Var.', H. R. Norsworthy

C. japonica:

Very Large: 'Carter's Sunburst',
Mrs. O. S. Johnson
Very Large, Chem. Tr.: 'Tomorrow Park Hill',
Dr. Mary Ellen Hawkins
Medium: 'Mathotiana', Sam Zerkowsky

C. reticulata:

Best Bloom: 'Dr. Clifford Parks Var.',
H. R. Norsworthy

(Continued on Page 32.)

NOTE: For a free nursery list of nurseries throughout the U.S. that sell camellias, please send a SASE to ACS Headquarters.

BASICS

FOR THE BEGINNER

Planting Camellias.

PROPER PLANTING OF A CAMELLIA is an essential part of the establishment of a camellia plant. Camellias are long-lived plants which will provide years of beauty in a landscape. A healthy plant which is properly planted will respond with good growth, lustrous green foliage, and beautiful flowers.

The selection of the proper site should be made before ever digging a hole. Most camellias grow and produce better flowers in a partial or filtered shade such as that produced by pine trees. Plants located in full sun often are less dormant during warm periods of the winter, while shade helps plants to remain dormant. Plants in a northern or western exposure or otherwise protected from intense morning sun will usually stand more cold weather than those in an eastern or southern exposure. Some shade trees produce feeder roots that are massed closely to the surface and will compete severely with camellias for moisture and nutrients. Such situations should be avoided when planting.

Soil preparation should be an important first step in the planting of camellias. A well-drained, slightly acid soil high in organic matter is ideal. A soil test can be made before planting to advise what may be necessary to bring the soil to the desired pH and fertility level. (The county Extension Agent will perform this service free of charge in most areas.) A soil pH (degree of acidity or alkalinity) of 5.0 to 6.0 is best. Practically all soils will benefit from the addition of organic matter before planting. Two to four inches of peat

Betty Hotchkiss

moss, finely ground bark, leaf mold, or cow manure worked 12 to 18 inches into the soil improves it greatly. The addition of organic matter to the soil will improve both the fertility of the soil as well as the drainage. Camellias planted in a low area or in poor draining soil are susceptible to camellia root rot caused by the *Phytophthora* fungus. However, camellias grafted onto a *Camellia sasanqua* or *Camellia oleifera* rootstock are resistant to this disease.

Camellias are generally planted in the late fall through the early spring, although they may be set out any month of the year if properly cared for. Adequate moisture is a necessity until the roots of the plant become well established. In areas where the winters are not too severe, fall planting has been shown to be advantageous over spring planting. The roots will grow during the winter months allowing the plants to become better established before starting growth when spring arrives.

The following steps should be followed when planting a camellia:

1. Dig a hole 1-2 feet wider than the root ball.
2. Leave soil in the center of the hole undisturbed to prevent settling.
3. Place the root ball on top of the column of soil. The top of the ball should be slightly above soil level. If planting from a container, rough up the outer roots with fingers or a knife or

wash away the outer inch or so of soil from the root ball. This will allow the roots to better penetrate the soil.

4. Fill the hole around the root ball with a mixture of topsoil and organic matter. Sand may be added to a clay soil to help improve drainage.

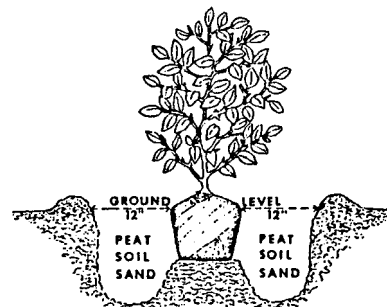


FIG. 1 THE RIGHT WAY TO PLANT A CAMELLIA.

5. You may wish to build a berm of soil around the plant approximately 3 feet in diameter to prevent water running off.
6. A 2-4 inch layer of mulch should be placed on top of the soil surrounding the plant. This benefits the plant in several ways. First, it helps to moderate temperature extremes in the soil. Second, it helps to retain moisture by slowing evaporation from the soil. And third, it helps to reduce the weed population. Many things such as pine straw and bark can be used as a mulch around plants. Peat moss is not recommended for mulch as it is very difficult to wet once dry and will actually repel moisture.
7. Once planted, a newly

Planting Camellias • Basics for the Beginner, CONTINUED.

established camellia should be watered about once a week. Camellias prefer for the soil to remain moist, but not soggy, all the time.

When planting camellias, if shade is not available through trees, the side of a house or structure may provide protection. A lath or slat house can also provide shade for camellias in the ground or in pots. The slats of the shelter should run in the opposite direction from the movement of the sun. Saran or shade cloth can also be used with success.

Transplanting a well-established camellia can have serious conse-

quences and requires much preparation. It should not be done unless absolutely necessary because a camellia has adapted itself to a certain location. If transplanting is attempted, one should try to simulate the original environment as closely as possible. (However, a young plant not well-established is much more adaptable.) There are also physical problems involved with moving a large camellia. The root system of a camellia is more coarse than many other plants and does not hold the soil well intact when lifted from the ground. This can result in a great loss of roots and serious shock to the

plant. Extra care should be taken to prevent this. It is also best to transplant on a day when the sun and wind are low and the humidity high. The best time of the year to move large camellias is generally early spring before new growth begins or in the fall after hot weather is past. Pruning back of the foliage and branches is also recommended. Staking of transplanted plants should be done for support following planting.

Proper planting should be the beginning of a good relationship between a camellia and its owner. Like most plants, camellias which get off to a good start will reward you with beautiful blooms for years to come.

40th Anniversary CAMPAIGN.

The following have made pledges or contributed to the Campaign since the February 1989 *Journal*.

Mr. & Mrs. Carl M. Allen
Atlanta Camellia Society
William F. Barbish

Mrs. Jasper C. Bryan
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Mrs. Olive B. Clower
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Lillie S. Wilhelm

W. C. Wyatt

Artistic Design Contest...

Continued From Page 7.

- answer any questions.
12. The Standard System of Judging as required by National Council of State Garden Clubs shall be used and the decision of the judges is final.
13. Exhibitors shall be limited to one entry in each class.
14. The 1989-1990 Design Contest Schedule must be adhered to with the use of camellias.
15. No artificial plant material will be allowed.
16. Schedule may permit treated plant material in Creativity Class.
17. Backgrounds should be plain for photography purposes.
18. Photographs should be made as soon as possible after judging is completed to capture the freshness of the bloom(s).

THE FOLLOWING POLICIES ARE RECOMMENDED

1. The local Camellia Show Artistic Design Chairman may prepare an entirely different schedule from the one prepared for the ACS Contest. However, if the local group wishes to compete in the ACS Contest, their schedule must be SELECTED FROM the ACS schedule and all rules of the contest must be adhered to.
2. Local groups or clubs may add additional classes, including invitational classes to the official schedule if they so desire.

3. Contest entries will be selected only from the ACS design schedule.
4. The Design Judges and the Contest Judges must be accredited by the National Council of State Garden Clubs in order to uphold the Standard System of Judging.
5. Lighting adds much to the mood and beauty of Artistic design and photographic clarity. Shadows which compete with design or arrangement, can often be eliminated by proper lighting when photographing.
6. Local chairman has full responsibility for acquiring ribbons of local Camellia Society as well as Tricolor and Creativity ribbons. ACS provides certificates for the Most Outstanding Arrangements in the contest.
7. The local club is responsible for staging and for rules of exhibiting and judging to conform to those of the ACS contest.
8. Exhibitors in the Artistic Division need not be members of a Camellia Society.
9. Designs must be made by the exhibitor.
10. The size of backgrounds and space available for each entry should be specified in the local schedule. (However, it is strongly recommended that adequate size be given to staging to allow good design, i.e., 40" for Tricolor, and 48" for Creativity.)

Multiple Shoot Production from Single Buds of Tea, *Camellia sinensis*.

Introduction

No practical method for tissue culture of tea, *Camellia sinensis*, or other *Camellia* species has been reported. Before being commercially acceptable, a method for multiple shoot production must be established. Single bud explants (tiny pieces of stem tissue with bud) in tissue culture respond best to certain plant hormones in different combinations and concentrations (6). Benzyladenine (BA) is one of several synthetic cytokinins used for tissue culture. Indole acetic acid (IAA), the only known naturally occurring auxin, combined with BA at a concentration greater than the IAA can induce shoot proliferation. Gibberellic acid (GA_3) (a crystalline acid associated with and similar in effect to gibberellin, any one of several plant-growth regulators that in low concentrations promote shoot growth) may be used to enhance shoot elongation and/or overcome bud dormancy (3,4,8,9). This study was designed to test some combinations and concentrations of these hormones for their ability to induce multiple shoot proliferation from single buds of axenically (free from other living organisms, such as molds and bacteria) grown seedlings.

Materials and Methods

Young stems were removed aseptically from 4- to 6-month-old, tea seedlings grown aseptically on media in vials according to methods described by Haldeman and Thomas (5). The shoots were defoliated and cut into nodal sections (explants) 0.5 to 0.75 cm (1/5 to 1/3 in) in length. Five or six explants were placed horizontally in the culture dishes which had been poured with Murashige and Skoog minimal organics medium (MSMO) (7), amended with 50 mg/l adenine

Janice H. Haldeman²
and
Ronald L. Thomas³

sulfate, 30 mg/l sucrose, and 8 gm/l Phytagar (Gibco). Culture dishes were sealed with parafilm, inverted and kept at approximately 25° C (77° F) and exposed to a 16-hr. photoperiod under cool-white fluorescent lights for 1 wk. This culture period was necessary to establish viability and sterility (free from fungal and bacterial contaminants) of explants. This medium also served as the base medium for treatments with plant hormones except for one sub-culture formulation in which glucose (15 gm/l) and fructose 15 gm/l were substituted for sucrose (30 gm/l). Plant hormones were incorporated in MSMO at various concentrations, with pH adjusted to 5.7 and then agar was added. The mixture was heated to 100° C to dissolve the agar, and 10-ml aliquots were dispensed into 8-dram vials which were capped and autoclaved at 15 lb pressure (121° C) for 20 min.

The first group of explants were cultured on MSMO amended with BA at 0, 2, 4 or 6 mg/l, with the same temperature and light exposure. After 12 and 24 wk, cultures were evaluated for shoot production. Shoots that had developed were then subcultured, four to six per culture, on MSMO amended with 12 mg/l BA or controls cultured on non-amended MSMO. For these subcultures, 20-ml aliquots of media were dispensed into 4-ounce, wide-mouth, glass jars and covered with 75-mm culture dish covers. After shoots were placed aseptically in media, covers were sealed with parafilm. All cultures (shoots on media) received the same light and temperature exposures. After 12 wks. or more, shoots that had produced mature leaves were selected for rooting in a potting medium (1/3

peat, 1/3 sand, 1/3 vermiculite by volume) in aluminum tins (about 10 cm wide by 15 cm long by 5 cm deep), and covered with clear plastic. Another group of shoots were placed in 8-dram vials, with shoot bases on strips of filter paper, resting in 5 ml of half-strength liquid MSMO amended with either 0 or 0.1 mg/l IAA.

A second group of explants were cultured on the base medium amended with BA at 0, 2, 4, and 6 mg/l and IAA at 0 to 0.1 mg/l. Prior to culturing, buds of one group were dipped into drops of a filter-sterilized solution of GA_3 at 200 mg/l. After 12 wk of culture, same temperature and light exposure, buds were evaluated for shoot production. Shoots of one group were subcultured, four or five per culture, on the base medium amended with 0.1 mg/l IAA, 2 mg/l BA and 10 mg/l GA_3 , or on the base medium without hormones (controls). Shoots of another group were subcultured on Anderson's Rhododendron (Woody Plant) medium (1) with and without the same hormone amendments. This medium lowers potassium concentration by decreasing potassium nitrate (KNO_3) in its formulation. The nitrogen level is maintained by increasing ammonium nitrate (NH_4NO_3). Some woody plants, such as rhododendrons, are sensitive to high potassium levels, and grow best in vitro when potassium levels are kept low. The medium was dispensed as previously described for subcultures; light and temperature exposures were the same.

Buds of a third (replicate) group were cultured on the base medium amended with BA at 4 mg/l, IAA at 0.1 mg/l with or without a dip in GA_3 at 200 mg/l. Cultures were evaluated for shoot production 6 wk after growth with the same temperature and light exposures. Shoots produced by these buds were subcultured on base media with either sucrose (30 gm/l) or with glucose (15 gm/l) and fructose 15

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²Former Clemson University graduate student, now head of Biology Department, Erskine College.

³Associate Professor, Food Science Department, Clemson University.

Multiple Shoot Production from Single Buds...

(FROM PAGE 23)

gm/l), and BA at 0, 2 and 4 mg/l. Subcultured shoots were evaluated for growth and shoot proliferation after 6 wk in culture.

Results and Discussion

Shoot production from buds cultured on media either amended with varying concentrations of BA, or on media without BA are summarized in Table 1. After 12 wk, buds cultured on BA amended media had produced clusters of shoots, and the greatest mean numbers of shoots were produced on media amended with 2 or 4 mg/l BA. The average

TABLE I.

Multiple shoot production from aseptic buds of *Camellia sinensis* seedlings grown on amended and non-amended MSMO.

	Plant hormone growth on MSMO amended (BA / mg / l) or on non-amended MSMO (mg / l)			
	0	2	4	6
Number cultured	8	8	8	8
12-wk evaluation				
Number of viable shoots	8	8	8	8
Average number of shoots	1	3.25	4	2
Average height of shoots (mm)	5.5	6.0	3.5	2.8
24-wk evaluation				
Number of viable shoots	6	7	8	5
Average number of shoots	1.1	3.1	8.2	6.2
Average height of shoots (mm)	19.5	11.9	7.1	6.3

TABLE II.

Multiple shoot production from aseptic buds of *Camellia sinensis* seedlings when grown on MSMO with and without hormonal supplements.

plant hormone amendments			12-wk Evaluation			
			apical		axillary	
IAA mg/l	BA mg/l	GA ₃ mg/l	no. buds	shoots per bud (avg no.)	no. buds	shoots per bud (avg. no.)
0	0	0	1	1	3	1
0	4	0	1	1.2	3	1.3
0	6	0	2	1	5	1.5
0.1	0	0	1	1	4	1
0.1	4	0	2	1.6	5	1.2
0.1	6	0	1	1	4	2.4
0	0	200*	2	1	4	1
0	4	200*	2	1.2	4	2
0	6	200*	1	1.3	5	2.2
0.1	0	200*	2	1	5	1
0.1	4	200*	1	1	3	1
0.1	6	200*	1	1	3	1

*Dip only

TABLE III.

Growth and proliferation of subcultures on MSMO shoots of *Camellia sinensis* seedlings produced in vitro on amended and non-amended medium.

Base medium	Plant hormone amendment			No. cultured	% Viable	%Viable and proliferating*
	IAA mg/l	BA mg/l	GA ₃ mg/l			
MSMO	0.1	1.0	1.0	15	100	73
Anderson's	0.1	1.0	1.0	17	94	47
MSMO	0	0	0	9	55	2
Anderson's	0	0	0	18	6	0

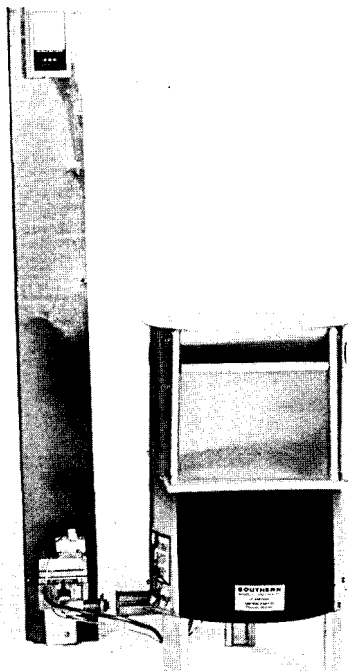
*Multiple shoots proliferating from a single bud.

TABLE IV.

In vitro proliferation of subcultured shoots of *Camellia sinensis*.

No. cultured	No. viable	Medium			plant hormone BA mg/l	Shoot production	
		sucrose	glucose	fructose		Mean no. shoots	Percent 4 mm +
7	7	30	0	0	0	1	66
8	8	30	0	0	2	3.0	37.5
8	8	30	0	0	4	1.7	25
8	6	0	15	15	0	1.5	77
8	7	0	15	15	2	3.7	38
8	8	0	15	15	4	3.3	55

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height of shoots produced on media amended with 2 mg/l BA was greater than shoots produced on media amended with 4 mg/l BA with heights 6.0 and 3.7 mm, respectively. Buds cultured without BA produced only one shoot/bud with an average height of 5.5 mm. Thus BA promotes the formation of clusters of shoots (many shoots) contrasted without it of only one shoot per bud. At 24 wk the cultures were evaluated again. Buds cultured on media amended with 4 and 6 mg/l BA continued to proliferate with mean numbers of 8.2 and 6.2, respectively. All buds cultured with 4 mg/l BA remained viable and productive, and average shoot height was 7.1 mm. Representatives of these cultures are shown in Fig. 1. Shoots subcultured onto MSMO amended media with 12 mg/l BA remained viable and continued to proliferate, although no data were taken on these subcultures. Representative subcultures are shown in Fig. 2.

Only limited success was obtained rooting cultured shoots. Four of 12 shoots (33-1/3) rooted when placed in soil. Only 3 of 10 shoots produced roots when placed on filter-paper bridges using one-half-strength MSMO amended with 0.1 mg/l IAA (Fig. 3). Rooted shoots were transferred successfully to 4-inch pots and they grew satisfactorily (Fig. 4).

Data on shoot production from aseptic seedling buds cultured 12 wk on media amended with IAA and BA with and without a pretreatment with GA³ are summarized in Table 2. Apical and axillary buds were evaluated separately. Axillary buds yielded more shoots per bud than apical buds for all treatments. Both bud types (apical and axillary) produced more shoots on media amended with 0.1 mg/l IAA and 4 mg/l BA when they received a pretreatment with GA³ (Table 2). Representative shoots from these cultures are shown in Fig. 5. Subcultures of these shoots were evaluated after 6 wk as presented in Table 3.

The MSMO base medium amended with phytohormones was superior to Anderson's Rhododendron Medium amended with hormones; all shoots grown on amended MSMO were viable and grew; 73% continued to produce additional shoots by axillary bud proliferation. Viability of shoots on Anderson's medium was good

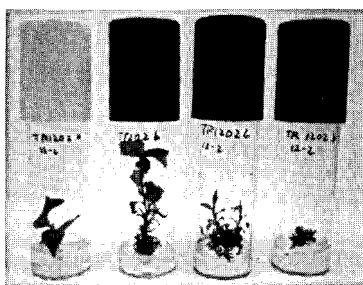


FIGURE 1.

FIGURE 1. Growth of bud cultures of *Camellia sinensis* after 24 wk on media amended with BA. From left to right BA concentrations are: 0, 2, 4, and 6 mg/l.



FIGURE 2.

FIGURE 2. Subcultures of shoots that proliferated from single buds of *Camellia sinensis*.



FIGURE 3.

FIGURE 3. In vitro cultured shoots of *Camellia sinensis*, rooted on filter paper bridges in 1/2 strength MSMO amended with 0.1 mg/l IAA.

(94%) but only 47% continued to proliferate new shoot material. Shoots grown on Anderson's medium developed mature leaves and grew into shoots suitable for rooting. These cultures are shown in Fig. 6. Growth on MSMO without hormones was poor. On MSMO, 55% of buds were viable but only 2% of shoots proliferated. On Anderson's Medium, 33% were viable, but no shoots proliferated.

After 6 wk, the replicate group of buds presoaked with GA³ at 200 mg/l and cultured on the medium amended with 0.1 mg/l IAA and 4 mg/l BA (Table 2) were evaluated for shoot production. Seventy-eight percent of 19 buds cultured produced a mean number of 2.2 shoots per bud. This was one-half the production obtained after 12 wk using the same method.

Table 4 summarizes evaluations of subcultures from replicate buds after 6 wk of growth on base media with 30 gm/l sucrose added per liter, or with 15 gm/l of each glucose and

fructose added per liter, and amended with BA at 0, 2, and 4 mg/l. Shoot proliferation was greatest on media amended with 2 mg/l BA and 15 gm/l of both glucose and fructose. Averages for shoot proliferation on MSMO amended media enriched with glucose and fructose exceeded those produced on MSMO amended media enriched with sucrose alone. The percentages of shoots that exceeded 4 mm was also greater on amended MSMO plus glucose and fructose than on amended MSMO plus sucrose; 38% of shoots grown on media amended with 2 mg/l BA with glucose and fructose as energy sources were about the same as shoots grown on media amended with 2 mg/l BA with sucrose (37.5%). Fifty-five percent of shoots produced on media amended with 4 mg/l BA, glucose, and fructose, were at least 4 mm tall, but the mean number of shoots per bud (3.3) was lower than when grown on MSMO amended with 2 mg/l BA (3.7).

(Continued on next page)

FIGURE 4. In vitro cultured shoots of *Camellia sinensis*, transferred to soil.

FIGURE 5. Shoot proliferation from single buds of *Camellia sinensis* after 12 wk of culture.

FIGURE 6. Six-week-old subcultures of shoots proliferated from single buds of *Camellia sinensis*.

FIGURE 4.

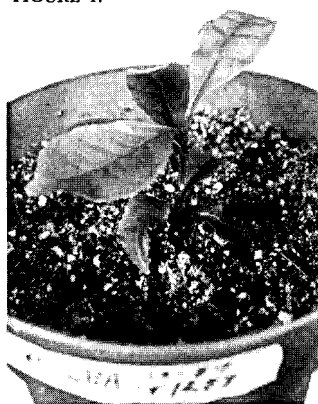
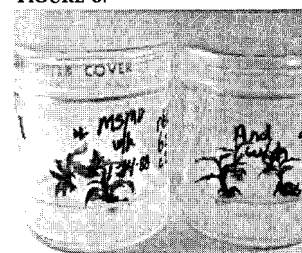


FIGURE 5.



FIGURE 6.



Multiple Shoot Production
From Single Buds...
(FROM PAGE 25)

This study has demonstrated that shoot multiplication from single buds of *Camellia sinensis* can be accomplished on artificial media (in vitro). Selected concentrations and combinations of phytohormones BA, IAA, and GA³ were tested for their ability to enhance multiple shoot induction from seedling buds grown under sterile conditions. When cultured on the base medium (MSMO) amended with BA at 2, 4, or 6 mg/l, buds produced shoots averaging 4 mm plus in size after 12 wk of culture. Continued culture of these buds for 12 wk on the same medium yielded increased numbers of shoots on the media amended with either 4 or 6 mg/l. The medium amended with 2 mg/l BA yielded taller shoots, but no increase in numbers after 12 additional wk, compared to media amended with 4 or 6 mg/l of BA (Table 1).

The addition of a presoak with GA³ at 200 mg/l and growth on a medium amended with IAA at 0.1 mg/l allowed the development of shoots of comparable numbers and sizes from single buds incubated for 12 wk. Apical buds produced fewer shoots than axillary buds in these cultures. The shoots subcultured on MSMO or Anderson's rhododendron media amended with 0.1 mg/l IAA, 2 mg/l BA, and 1.0 mg/l GA³ were nearly equal in viability (100% for

MSMO vs. 94% for Anderson's) but sustained proliferation was best on MSMO (73%) when compared with Anderson's medium (47%) (Table 3).

Replicate cultures of seedling buds on media amended with 0.1 mg/l IAA and 4 mg/l BA with the presoak in GA₃ at 200 mg/l were evaluated and subcultured after 6 wk of growth. The mean number of shoots was fewer after 6 wk than after 12 (2.2 vs 4.3). Subcultured shoots continued to proliferate on media amended with either 2 or 4 mg/l BA, but the greatest number of shoots per bud were obtained on BA amended media with glucose and fructose as the carbohydrate sources. Although sucrose has been demonstrated to be the best organic carbon source for most tissue cultures, Chauvin and Salesses reported that glucose and fructose increased the multiplication rate for in vitro cultures of chestnut (*Castanea* spp.) (2). The data for subcultures of tea shoots have indicated the possibility of a similar response for *Camellia sinensis*.

These investigations provide information on in vitro growth responses of *Camellia sinensis* seedling buds to selected concentrations of the phytohormones IAA, BA, and GA₃, and to the organic carbon sources of either sucrose, or glucose and fructose. All phytohormone amendments tested induced multiple shoot proliferation from single buds. For all methods tested, the minimum time required for production of adequate shoot numbers with heights greater than 4 mm, was 6 wk. Shoots were successfully subcultured on media with varying combinations and concentrations of phytohormones, and different organic carbon sources.

The auxin, IAA at 0.1 mg/l and the cytokinin BA at 2, 4, and 6 mg/l were tested with and without GA₃ at 200 mg/l. Further testing of protocols utilizing different phytohormones and or additional combinations and concentrations of IAA, BA and GA₃ will be necessary before optimal conditions for shoot multiplication can be determined for *Camellia sinensis*. It is hoped that these studies may contribute toward further applications of in vitro methods to the culture of tea, and to other species of *Camellia*.

Summary

Tea explants (*Camellia sinensis*) grown on Murashige and Skoog

minimal organics medium (MSMO) amended with 2, 4 or 6 mg/l benzyladenine (BA) supported multiple shoot production; MSMO plus 4 mg/l BA was best.

Generally speaking, the average number of shoots per bud was greater from axillary buds compared with terminal buds. MSMO was slightly superior in viability to Anderson's rhododendron medium but much superior in supporting proliferation of buds.

Glucose plus fructose (15 g plus 15 g) was superior as a carbon source in MSMO media compared to sucrose (30 g) in supporting shoot numbers from tea buds.

Bud proliferation can be obtained by tissue culture techniques using various combinations and concentrations of plant hormones.

Acknowledgement

Thanks are extended to Luther Baxter for critiquing the manuscript, to Mr. Thomas Burch for providing tea material for the investigations, and to Kathryn Harrell for the typing.

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Mr. Bill Plaster is holding the Boehm 'Betty Sheffield Supreme' camellia that was presented to him at the February meeting of the Shreveport Camellia Club. This honor was bestowed on him for his many years of dedicated service to the Shreveport club.

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SUMMER CARE

You are now enjoying glossy green camellia foliage after spring pruning and fertilization. The container plants are comfortable in partial shade and if night temperatures are up to 70° F, flower buds are forming. Greenhouse plants can easily be cleaned of insects with no-pest strips, but these will also kill bees.

Water is always important and particularly so as new growth is hardening. Watering container plants will be needed more frequently after moving outside and allowing run-off is desirable to control or prevent salt build up. Misting is of help when temperatures exceed 95° F to add humidity and cooling. Dr. Luther Baxter has mentioned that at over 97° F vegetative demand for water may take 100% of the plants water needs to the detriment of the developing flower buds. Never allow a plant to dry since once it shows lack of water stress, it may be too late to save the plant. When necessary deep watering of in-ground camellias will encourage a deep root system.

Camellias prefer light shade. Some varieties and species tolerate full sun. Mid-day sun will sunburn some cultivars. Free air circulation by adequate pruning helps prevent scale and fungal disease. Some protection from cold or hot dry winds by other plantings is desirable. Container culture allows mobility for proper location in summer and winter. Repotting may be done at any time but preferably in the fall or winter.

Removing excess flower buds for larger and better blooms should be started as soon as the short border flower buds differentiate in June or shortly after. This is best done on a monthly basis to catch later developing buds and to allow retaining buds of different size hoping for a longer period of bloom. The downward pointed bud of a pair or group is the best one to retain on outside plants or ones in a greenhouse with a drip problem. Axillary buds more centrally on stems should also be removed unless you desire a profusion of bloom.

Dave Scheibert, M.D.

After fertilization before new growth in the spring, a second application is suggested as flower buds develop in early June. Cottonseed meal on the surface at the rate of 1/4 handful per gallon or pot is a safe organic fertilizer with slow release. Later fertilization by September 1 should contain little or no nitrogen if chemical fertilizer is used, thus preventing late secondary vegetative growth. Adequate watering is suggested before and after fertilization. Calcium and magnesium (dolomite lime) 1/2 TBS. for gallon of pot, along with iron, sulphur and trace elements are desirable if not in the fertilizer used. High phosphorus content of fertilizer should be used with caution since it fixes to the pot mix and leaches out very slowly. Soluble fertilizer may be utilized through roots or leaves immediately and granular chemical ones may be available in one to four weeks. Delayed release fertilizers may release more rapidly in warmer weather. Too little fertilizer is better than too much.

Acid-base balance to maintain a pH of 5.5 to 6.5 is necessary for better plant nutrition and may be adjusted with dolomite lime for too acid soil and with ferrous or aluminum sulfate to correct a soil pH above 6.5. Try to avoid over correction.

Mulch is a help in any season and assists in moisture retention and cooling during the hot months. Type of mulch may be dictated by economy and easy availability. If rapidly decomposing material such as leaves or fresh sawdust are used, some nitrogen fertilizer will correct tendency to nitrogen deficiency. In camellia-growing areas pine bark or needles are quite useful as a mulch and decompose slowly.

If pests become a problem, no-pest strips in a greenhouse spring and / or fall is a simple method of control. Summer oil with or without

OF CAMELLIAS.

malathion may be used for aphids and scale after new growth hardens. It is best to avoid use of spray in a greenhouse unless only spot treatment is needed. Insecticidal soap is a safe spray where effective. Always avoid breathing or wetting skin with spray since they are rapidly absorbed and insects are harder to kill than people.

The most common fungal disease in the south causes dieback which may involve twigs or the entire plant. Control involves total amputation and burning of diseased parts. A benlate and captan spray every three weeks in May and June can combat and prevent the disease and purchase of diseased plants is to be avoided.

Petal blight can be avoided by cleaning up all spent blooms or eradicated in four years unless your neighborhood is infested.

Root rot may be avoided by avoiding planting in wet spots, using raised beds or using light rapid draining soil mix in pots. Camellia care and culture are much the same as that for azaleas and rhododendrons.

After the spring growth matures propagation by rooting cuttings or cleft grafting can be utilized in June and July using techniques described in previous Camellia Journals (1) (2) and Yearbooks (3) or through slide sets available from the American Camellia Society.

Plant purchase may occur during the summer season. Bare rooting the plant is most important to avoid petal blight and to place your container plants in a uniform mix. Shading, protection from drying winds and pruning are important to maintain the health of the transplant for the next few months.

Soil mix for container culture varies as much as fertilizer programs. Ideally the mix should drain rapidly, retain water well, have about 25% air space and have a pH of 5.5 - 6.5. The mix can vary from 100% 1/4 inch screen fine pine bark composted for 4-6 months to soil amended with some peat moss, coarse sand and fine

pine bark. Two noted Georgia growers use 3 parts (by volume) of fine pine bark, 1 part coarse sand, 1/2 part soil and 1/2 part peat moss. Perlite, vermiculite, compost, coarse sand, peat moss, soil and fine pine bark are all good components to consider for your mix.

After bare rooting by soaking or water pressure, prune damaged roots and drape them over a cone of mix in an adequate container. Work mix through the root system, water and fill so as to avoid the plant being deeper than it was originally planted. Deep planting causes failure to thrive or death. Do not fertilize a newly potted plant for 4-6 months and prune about 1/3 of the vegetative growth. There are many articles in past camellia literature that give more specific information and suggestions as well as *The Camellia* (4) by Feathers and Brown, 1978.

Camellia care in all seasons is important to optional health of plants and quality of bloom. During summer adequate water, disbudding, fertilizing and observation for diseases and their control are important to the best development of the new flower buds.

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—ACE—

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- Rare and unusual plants native to the locale.
- Imported plants and trees from many foreign countries that do well in the area.
- Installed and operating water lines underground to all TAMMIA developed sites. Both 8.5 pH and shallow well 6.0 pH.
- Natural gas and propane available.
- Electrical wires installed underground for protection from storms.
- Duplicate electric and gasoline water pumps in case of power failure.
- Two shallow water wells (6.0 pH) for plants and pure (8.5 pH) drinking water artesian wells, supplied by underground rivers from the Ozarks.
- Over fifteen acres covered with hundreds of prized old and new varieties of camellias from 6 to 25 feet tall; winter blooming for your pleasure, to share with others, to provide show winners, and to display and offer to the thousands of tourists in the New Orleans area nearby. Growing with these is the large collection of different plants and trees from nearly every country of the world.
- Two 5 to 6 acre cleared fields, suitable for sports, pastures or cultivation. The remaining 5 acres are partly wooded and available for any use.
- Spacious GREAT LAWN surrounded by large, ancient live oaks, now REGISTERED with the LIVE OAK SOCIETY OF THE GARDEN CLUB OF AMERICA. Pines, hollies, crepe myrtles, cryptomeria japonicas, magnolias, yew, azaleas, and various *C. sasanquas* are also in abundance.
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- Includes a steel reinforced concrete utility building (5,000 sq. ft.) with corrugated fiberglass gables and roof, suitable for barn, storage, tractors, tools and work area with 6 built-in horse stalls.
- A 210 sq. ft. metal storage building for electrical and gasoline pumps, with concrete slab floor.
- Tenant house, 1600 sq. ft., for caretaker or guests.
- Four large fiberglass covered greenhouses (each 55 x 125 feet) filled with prize winning camellias (3 ft. to 18 ft.), azaleas, and other evergreens. Some of this protected space can be used for plant propagating, exotics and the growing of vegetables. These contain 6 gas fired mist heaters and 2 40" exhaust electric fans.
- Many thousands of beautiful camellias blooming 7 months of the year could be utilized into profitable tourist trade in nearby New

Orleans (25 miles). Many seedling awards for new introductions including most recently an American Camellia Society Highly Commended Seedling Award in January of 1989 at Southwest Louisiana Camellia Show at Lake Charles, LA.

- A most delightful place to live, a sportsman's paradise, near the Gulf of Mexico, with desirable temperatures and ideal weather conditions prevailing most of the year.
- TAMMIA ESTATE could be made available for tour visits, and be divided into individual lots for a restricted subdivision. It is

located on a blacktop road with access to 3 Interstate highways, with a paved entrance of 300 feet to the main residence.

- It is located in the fastest growing area in Louisiana, close to Martin Marietta Michaud Space Center and city of New Orleans and in the healthy Ozone Belt. Property will appreciate substantially in the near future.
- Owner available for professional supervision and consultation up to 2 years to train personnel to manage TAMMIA ESTATE.
- Only 1.5 miles to fine Country Club.

CONTACT

Sam M. Zerkowsky

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• SHOW REPORTS •

(From Page 20)

C. hybrid:

Best Bloom: 'Julia', H. R. Norsworthy
Best White: 'Gus Menard', H. R. Norsworthy

ACS GOLD CERTIFICATES:

Not Chem. Treated: Judge Charles S. King
Chem. Treated: Dr. Emil Carroll

ACS SILVER CERTIFICATES:

Not Chem. Treated: Dr. Mary Ellen Hawkins
Chem. Treated: H. R. Norsworthy

ACS PROVISIONAL COMMENDED SEEDLING CERTIFICATES:

C. japonica Seedling #333, Sam Zerkowsky

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

MONROE, February 18-19, 1989. (24th Annual)

Sponsor: Northeast Louisiana Camellia Club
No. Blooms Displayed: 407. Attendance: 286.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Very Large: 'Mathotiana',
Mrs. Woodrow Hathorn
Runner-up: 'Carter's Sunburst Pink Var',
Mrs. Woodrow Hathorn
Large: 'Don-Mac', Mrs. O. E. Chapman
Runner-up: 'Lady Laura',
Mrs. Woodrow Hathorn
Medium: 'Rev. John Bennett',
Mrs. Woodrow Hathorn
Runner-up: 'Ville de Nantes',
Mrs. Woodrow Hathorn
Small: 'Buddy Var', W. F. Mann
Runner-up: 'Ave Maria',
Mr. & Mrs. Clifford Kennedy
Miniature: 'Man Size',
Mrs. Woodrow Hathorn

C. japonica: (Protected)

Very Large: 'Fashionata', Otto Klick
Runner-up: 'Clark Hubbs', Otto Klick
Large: 'Lady Kay', Otto Klick
Runner-up: 'Gee Homeyer', Ethyl Worley
Medium: 'Mrs. Woodrow Hathorn', Pat Pierce
Small: 'Grace Albritton', David Rubin
Runner-up: 'Tammia', W. F. Mann
Miniature: 'Men's Mini', W. F. Mann
Runner-up: 'Man Size', W. F. Mann

C. reticulata:

Best Bloom: 'Delta Dawn', Bill O'Rourke
Runner-up: 'Aztec Var', Otto Klick

C. hybrid

Best Bloom: 'Charlean Var', Dr. L. H. Horton
Best White, In Open: 'Gregory Conway',
Mrs. Woodrow Hathorn
Protected: 'Ruffian', David Rubin
Best Novice: 'Christmas Beauty',
Roland J. Paquin

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

NEW ORLEANS, January 14, 1989. (49th Annual)

Sponsor: Camellia Club of New Orleans
No. Blooms Displayed: 1900. Attendance: 300.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

In Open: 'Guilio Nuccio Var', Mike Cannon
Protected: 'Pirates Gold Var',
Mrs. Clyde Copeland

C. japonica: (In Open)

Very Large: 'Carter's Sunburst', John Rogers
Large: 'Clark Hubbs', Mike Cannon
Medium-Large: 'Nuccio's Gem',
Dr. Alvin Johnson
Medium: 'Herme', W. C. Probst
Small: 'Tammia', John Rogers
Miniature: 'Man Size', Mrs. Leonelle Bergeron

C. japonica: (Protected)

Very Large: 'Tomorrow Leanne's Var',
John Rogers

(Continued on Page 34)

Camellia sasanqua Cuttings Killed When Dipped in Spore Suspension of *Glomerella cingulata*.

Many *Camellia* species are susceptible to dieback and canker, caused by *Glomerella cingulata* (1,2). *C. japonica* has more resistant cultivars than other species tested. Some examples are *C. oleifera*, *C. sasanqua*, *C. reticulata*, and *Camellia* hybrids (1,2,3).

C. sasanqua and *C. japonica* seedlings and cultivars have been studied most extensively (1). It came to our attention that *G. cingulata* might be a serious root pathogen. The purpose of this study was to find out if roots of *C. sasanqua* cuttings are susceptible to *G. cingulata*.

MATERIALS AND METHODS

C. sasanqua cuttings were rooted in builders sand under intermittent mist (30 sec per 15 min) in a greenhouse held at a minimum temperature of 22° C (72° F). *Glomerella cingulata* (isolate #9) was grown in 90mm petri dishes on carrot juice agar under continuous light at 22° C for 5 days. The cultures were then scraped and incubated under the same conditions for 2 days more. The spores were collected in tap water and adjusted to a concentration of 50 Klett units.

Technical Contribution No. 2944 of the South Carolina Agricultural Experiment Station, Clemson University.

L. W. Baxter, Jr.
and
S. B. Segars

Rooted *C. sasanqua* cuttings were removed gently from the sand rooting medium and rinsed in tap water to remove sand particles. Twenty-seven cuttings were dipped in the *G. cingulata* spore suspension and planted immediately in non-sterile builders sand. Twenty-seven other cuttings were dipped in tap water and planted immediately in non-sterile builders sand. All transplanted cuttings were grown in a greenhouse at 22° C for 8 weeks.

Cuttings were evaluated after 8 weeks. Dead cuttings were examined in the laboratory for *G. cingulata* and other possible root pathogens. Pieces of root and stem tissue from dead and living plants were sterilized in 20% Clorox for 1 min and then blotted dry and plated on CJA.

RESULTS AND DISCUSSION

Twenty-one of 27 cuttings, the roots of which were dipped in a *G. cingulata* spore suspension, died. Isolations from roots of dead plants

failed to yield *G. cingulata* but it was recovered from all stems of dead plants tested. All 27 rooted cuttings of *C. sasanqua* dipped in water only survived and *G. cingulata* was not recovered from either stems or roots.

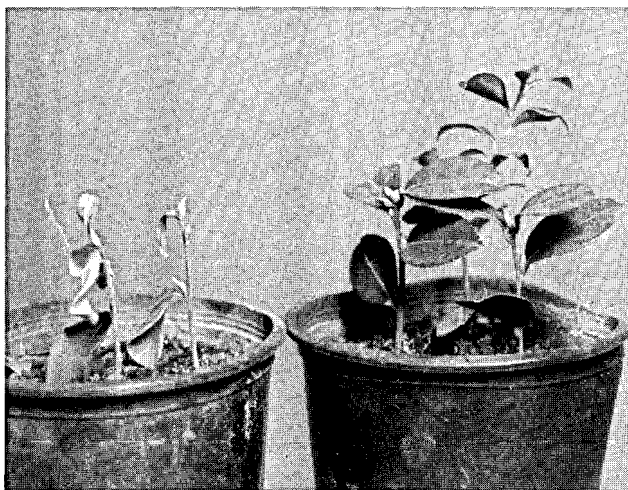
The experiment was repeated using 200 cuttings: ½ dipped in a *G. cingulata* (isolated #9) spore suspension and ½ dipped in tap water only. The results were approximately the same.

The fungus entered either through old stem wounds, ends of cuttings, leaf scars from leaves removed or wounds on the lower stem where roots may have been inadvertently broken off at transplant time.

These experiments reveal that newly rooted cuttings of *C. sasanqua* are susceptible to the dieback and canker fungus (Fig. 1). Since *G. cingulata* is extremely susceptible to benomyl, as is the CBR fungus, this study and others (4,5) suggests that *C. sasanqua* cuttings should be soaked overnight in benomyl (Benlate 50W) at the recommended rate, ½ tablespoonful per gallon of tap water before planting.

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Camellia sasanqua rooted cuttings grown in 6-inch pots. Left: rooted cuttings dipped in spore suspension of *Glomerella cingulata*, the camellia dieback and canker fungus, and then planted. Right: rooted cuttings dipped in water only (control) and then planted.

• SHOW REPORTS • SHOW REPORTS • SHOW REPORTS • SHOW

CONTINUED FROM PAGE 32

Large: 'Mary Ann Houser',
Mrs. Clyde Copeland
Medium-Large: 'Ville de Nantes', Bagby Hall
Medium: 'Diddy's Pink Organdie', Bagby Hall
Small: 'Tammia', John Rogers
Miniature: 'Bonbon', Richard Carter

C. reticulata:

In Open: 'Harold L. Paige', John Rogers
Runner-up: 'Valentine Day', Paul Huerkamp
Protected: 'Mouchang', Jim Newell
Runner-up: 'Aztec Var.', Jim Smelley

C. hybrid:

In Open: 'Waltz Dream', John Rogers
Runner-up: 'Elsie Jury', John Rogers
Protected: 'Waltz Dream', John Rogers
Runner-up: 'Debbie', Jim Newell
Best White, In Open: 'Seafoam', Harry Stone
Protected: 'Elegans Champagne', Bagby Hall

ACS GOLD CERTIFICATES:

In Open: Violet Stone
Protected: Jim Newell

ACS SILVER CERTIFICATES:

In Open: Vincent Ciolino
Protected: Bagby Hall

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

SHREVEPORT, January 28-29, 1989.

Sponsor: Shreveport Camellia Society

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Carol Humphrey',
Thomas M. Weeks
Runner-up: 'Clark Hubbs Var',
Evelyn Abendroth
Medium-Large: 'Cherries Jubilee',
Mr. & Mrs. Bob Henry
Runner-up: 'Betty Sheffield Supreme',
Dr. Emil Carroll
Medium: 'Winifred Womack', Powell Layton

Small: 'Kitty',
Mr. & Mrs. Woodrow Hathorn
Miniature: 'Wilamina',
Mr. & Mrs. Gregory Davis

C. japonica: (Protected)

Large-Very Large: 'Guilio Nuccio Var',
William F. Mann
Runner-up: 'Tomorrow, Leanne's',
Estate of Bess Laird Carvain
Medium-Large: 'Ville de Nantes', Otto Klick
Runner-up: 'Don-Mac', Ethel S. Worley
Medium: 'Margaret Davis', Otto Klick
Small: 'Little Babe Var', William F. Mann
Miniature: 'Men's Mini', William F. Mann

C. reticulata:

Best Bloom: 'Curtain Call', Jack Greenberg

C. hybrid:

Large-Very Large: 'Julie', Bill O'Rourke
Miniature-Medium: 'E. G. Waterhouse',
Jack Greenberg
Best White, In Open: 'Margie',
Mr. & Mrs. Bob Henry
Protected: 'Charlie Bettes',
Estate of Bess Laird Carvain
Best Novice: 'Professor Sargent',
Doll Sullivan

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

SLIDELL, December 3-4, 1988. (38th Annual)

Sponsor: Ozone Camellia Club

Number Blooms Displayed: 1200.

Attendance: 1000+.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

In Open: 'Betty Sheffield Supreme',
John L. Rogers
Protected: 'Lucy Stewart', Pat Pierce

C. japonica: (In Open)

Large: 'Moonlight Bay', Dr. Alvin E. Johnson
Medium: 'Pink Diddy', F. F. Becker

Small: 'Kiku-Toji', Mr. & Mrs. H. S. Stone
Miniature: 'Fircone Var.', John L. Rogers

C. japonica: (Protected)

Medium: 'Pink Magic', John K. Edwards, Jr.
Miniature: 'Little Michael',
Dr. C. David Scheibert

C. reticulata: (Protected)

Large-Very Large: 'Valentine Day',
Mr. & Mrs. R. F. Jeffares
Small-Medium: 'Black Lace',
Walter M. Creighton

C. hybrid: (In Open)

Medium Large-Large: 'Waltz Dream',
John L. Rogers
Miniature-Medium: 'Spring Festival',
John R. Comber

C. hybrid: (Protected)

Medium Large-Large: 'Debbie',
Jim Newell
Miniature-Medium: 'Gay Time', C. Crutcher
Best White: 'White Empress',
Michelle Gorney

ACS GOLD CERTIFICATES:

In Open: Mr. & Mrs. H. S. Stone
Protected: Mr. & Mrs. J. A. Newell

ACS SILVER CERTIFICATES:

In Open: Dr. & Mrs. A. E. Johnson
Protected: C. C. Crutcher

NUMBER OF ACS MEMBERSHIPS SOLD:

Four.

MISSISSIPPI

BROOKHAVEN, Dec. 10, 1988. (26th Annual)

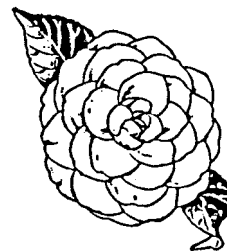
Sponsor: Brookhaven Camellia Society

Number Blooms Displayed: 705. Attendance: 200.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Tomorrow Park Hill',
John L. Rogers



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Middle Georgia Camellia Society



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Medium-Large: 'Mary Alice Cox',
Mr. & Mrs. Gregory E. Davis
Medium: 'Susan Stone', H. R. Norsworthy
Small: 'Tammia', Walter Krzymowski
Miniature: 'Tada Meibe',
Mr. & Mrs. H. S. Stone

C. japonica: (Protected)

Large-Very Large: 'Tomorrow', John L. Rogers
Medium-Large: 'Betty Sheffield Blush
Supreme', John L. Rogers
Medium: 'Magic City', John L. Rogers
Small: 'Tammia', John L. Rogers
Miniature: 'Man Size', Thomas H. Perkins

C. reticulata:

Best Bloom: 'Buttons 'N Bows',
H. R. Norsworthy
Runner-up: 'Harold L. Paige', John L. Rogers

C. hybrid:

Best Bloom: 'Buttons 'N Bows',
H. R. Norsworthy
Runner-up: 'Elsie Jury Var',
Walter B. Patterson
Best White: 'Nuccio's Gem', John L. Rogers
Best Novice: 'Tomorrow's Dawn',
Don Perkins

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

JACKSON, February 4-5, 1989. (37th Annual)

Sponsor: Jackson Camellia Society
Number Blooms Displayed: 1152. Attendance: 150.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Guilio Nuccio Var', Otto Klick

C. japonica:

Large-Very Large: 'Guilio Nuccio Var',
Otto Klick
Runner-up: 'Pirates Gold Var',
Mrs. Clyde Copeland
Medium-Large: 'Cherries Jubilee',
Mr. & Mrs. R. F. Jeffares
Runner-up: 'Ville de Nantes',
Mr. & Mrs. R. F. Jeffares
Medium: 'Linda Brothers',
Mrs. Clyde Copeland
Runner-up: 'Harriett Bisbee',
Dr. Emil Carroll
Small: 'Buttons 'N Bows', Dr. Emil Carroll
Runner-up: 'Tama-No-Ura',
Mr. & Mrs. George Griffin
Miniature: 'Bonbon', Richard Carter

C. reticulata:

Best Bloom: 'Dr. Clifford Parks',
John L. Rogers
Runner-up: 'Howard Asper', John L. Rogers

C. hybrid:

Best Bloom: 'Julie',
Mr. & Mrs. George Griffin
Runner-up: 'Mona Jury Var', Otto Klick
Best White: 'Elegans Champagne', Bagby Hall

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

NORTH CAROLINA

WILMINGTON, Feb. 25-26, 1989. (39th Annual)
Sponsor: Tidewater Camellia Club
Number Blooms Displayed: 935.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Cameron Cooper', Mr. & Mrs. Robert Fowler

C. japonica: (In Open)

Large-Very Large: 'Ville de Nantes',
Mr. & Mrs. J. K. Blanchard
Medium: 'Lady Vansittart', T. E. Powers
Small: 'Pink Perfection', Parker Connor

C. japonica: (Protected)

Large-Very Large: 'Guilio Nuccio Var',
Joe Austin
Medium: 'Margaret Davis', Joe Austin
Small: 'Little Susie',
Mr. & Mrs. J. K. Blanchard

C. reticulata:

Best Bloom: 'Curtain Call Var',
Joe Austin

C. hybrid:

Best Bloom: 'Mona Jury',
Mr. & Mrs. Fred Hahn
Best White: 'Elegans Champagne',
Mrs. Ray D. Watson
Best Novice: 'Eugene Bolen', O. Hess

ACS GOLD CERTIFICATES:

In Open: Parker Connor
Protected: Ray Watson

ACS SILVER CERTIFICATES:

In Open: T. E. Powers
Protected: Joe Austin

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

WILSON, Feb. 18-19, 1989. (3rd Annual)

Sponsor: Garden Dept. of Wilson Woman's Club
Number Blooms Displayed: 1140.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Medium-Very Large: 'Mrs. D. W. Davis',
Pete C. Lambrakos
Small: 'Blushing Beauty',
Parker E. Connor, Jr.
Miniature: 'Grace Albritton',
Parker E. Connor, Jr.

C. japonica: (Protected)

Very Large: 'Tomorrow Park Hill Fimbriated',
Jim Pinkerton
Medium: 'Ville de Nantes',
Mrs. Ray D. Watson
Small: 'Tammia Blush', Mrs. Ray D. Watson

C. reticulata:

Best Bloom: 'Tony's Joy', Joe Austin

C. hybrid:

Best Bloom: 'Pink Dahlia', Joe Austin

ACS GOLD CERTIFICATES:

In Open: Parker E. Connor, Jr.
Protected: Mr. & Mrs. Ray D. Watson

ACS OUTSTANDING ARRANGEMENT CERTIFICATE:

Creativity: Mrs. Bettie Woodard

NUMBER OF ACS MEMBERSHIPS SOLD:

One.

SOUTH CAROLINA

AIKEN, January 21-22, 1989. (35th Annual)

Sponsor: Aiken Camellia Club
Number Blooms Displayed: 928. Attendance: 2765.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Betty Sheffield Supreme', Joe Austin

C. japonica: (In Open)

Very Large: 'Miss Charleston',
Parker E. Connor, Jr.
Runner-up: 'Tomorrow Var', Pete Lambrakos

C. japonica: (Protected)

Very Large: 'Tomorrow Park Hill',
Mr. & Mrs. Fred Hahn
Medium: 'Diddy's Pink Organdie', Joe Austin
Small: 'Black Tie Var',
Mr. & Mrs. Paul Dahlen
Miniature: 'Fircone Var', John Newsome

C. reticulata:

Best Bloom: 'Harold L. Paige', Joe Austin

C. hybrid:

Best Bloom: 'Rose Bouquet', Joe Austin
Best White: 'Swan Lake',
Mr. & Mrs. Fred Hahn
Best Novice: 'Herme', Mrs. W. K. Herndon, Jr.

ACS GOLD CERTIFICATES:

In Open: Parker E. Connor, Jr.
Protected: Mr. & Mrs. Fred Hahn

ACS SILVER CERTIFICATES:

In Open: Pete Lambrakos
Protected: Mrs. Alfred Bissell

ACS OUTSTANDING ARRANGEMENT CERTIFICATES:

Tri-Color: Mrs. Albert Symonds
Creativity: Mrs. H. C. Scott
Best Seedling: C. japonica 'Ruth Smith',
Marvin Jernigan

NUMBER OF ACS MEMBERSHIPS SOLD:

Two.

CHARLESTON, January 28, 1989. (39th Annual)

Sponsor: Coastal Carolina Camellia Society &
Citadel Mall

Number Blooms Displayed: 1532. Attendance: 5500.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

In Open: 'Clark Hubbs', Marion S. Edwards
Runner-up: 'Guilio Nuccio Var',
Mary Walter Billbro
Protected: 'Elegans Supreme Var',
Mr. & Mrs. Fred Hahn
Runner-up: 'Elegans Champagne', Joe Austin

C. reticulata:

In Open: 'Valley Knudsen',
Mr. & Mrs. Tom Adams
Protected: 'Emma Gaeta', Joe Austin

C. hybrid

In Open: 'Mona Jury', Mr. & Mrs. Tom Adams
Protected: 'Mona Jury', Joe Austin

Best White, In Open:

'Chow's Han-Ling',
Parker E. Connor, Jr.
Protected: 'Ruffian', Mr. & Mrs. Fred Hahn

ACS GOLD CERTIFICATES:

In Open: Parker E. Connor, Jr.
Protected: Joe Austin

ACS SILVER CERTIFICATES:

In Open: Mr. & Mrs. Tom Adams
Protected: Jim Pinkerton

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

COLUMBIA, February 11-12, 1989.

Sponsor: Mid-Carolina Camellia Society
Number Blooms Displayed: 1138.

Attendance: 5000+.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Donckelarii', Lib Scott
Runner-up: 'Borom's Gem Var',
Parker E. Connor, Jr.
Small-Medium: 'Betty Sheffield Blush
Supreme', Lib Scott
Miniature: 'Tammia', Parker E. Connor, Jr.
Runner-up: 'Fircone', John Newsome

C. japonica: (Protected)

Large-Very Large: 'Mathotiana Supreme',
Mr. & Mrs. Fred Hahn
Runner-up: 'Silver Chalice', Joe Austin
Small-Medium: 'Ville de Nantes',
Mr. & Mrs. Fred Hahn
Runner-up: 'Margaret Davis',
Mr. & Mrs. Fred Hahn

C. reticulata:

Best Bloom: 'Tony's Joy', Joe Austin
Runner-up: 'Curtain Call',
Mr. & Mrs. Fred Hahn

C. hybrid:

Best Bloom: 'Mona Jury',
Mr. & Mrs. Fred Hahn
Best White, In Open: 'Elegans Champagne',
Parker E. Connor, Jr.
Protected: 'Sarah Alice Ruffin',
Mr. & Mrs. Fred Hahn
Best Novice: 'Anita', Ann Hughey

ACS GOLD CERTIFICATES:

In Open: Parker Connor
Protected: Joe Austin

ACS SILVER CERTIFICATES:

In Open: Lib Scott
Protected: Mr. & Mrs. Fred Hahn

(CONTINUED NEXT PAGE)

• SHOW REPORTS • SHOW REPORTS • SHOW REPORTS • SHOW

ACS OUTSTANDING ARRANGEMENT CERTIFICATES:

Tri-Color: Octama Poole
Creativity: Patsy Outlaw

NUMBER OF ACS MEMBERSHIPS SOLD:
Three.

TENNESSEE

NASHVILLE, March 4-5, 1989. (17th Annual)
Sponsor: Middle Tennessee Camellia Society
Number Blooms Displayed: 901.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Large-Very Large: 'Fashionata',
Kenneth Kuiken
Medium-Large: 'Ville de Nantes',
John Newsome
Medium: 'Margaret Davis', John Newsome
Small: 'Tom Thumb', John Newsome
Miniature: 'Man Size',
Mr. & Mrs. George Griffin

C. reticulata:

Best Bloom: 'Dr. Clifford Parks',
Robert Hershey

C. hybrid:

Best Bloom: 'Swan Lake', John T. Newsome
Best White: 'Sarah Alice Ruffin',
John T. Newsome

ACS GOLD CERTIFICATE:

Ralph Davidson

ACS SILVER CERTIFICATE:

Mr. & Mrs. George Griffin

NUMBER OF ACS MEMBERSHIPS SOLD:
None.

TEXAS

CONROE, January 14, 1989. (20th Annual)
Sponsor: Couthatta Camellia Society
Number Blooms Displayed: 1041. Attendance: 500.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Very Large: 'Carter's Sunburst',
John F. Browder
Medium: 'Evelyn Poe Pink Var',
Dudley P. Boudreaux
Miniature-Small: 'Little Ginger',
Mr. & Mrs. Alfus O. Johnson

C. japonica: (Protected)

Very Large: 'Tomorrow's Sweet Image',
Bess Laird Carvain
Medium-Large: 'Cherries Jubilee',
Thomas M. Weeks
Medium: 'Dixie Knight Supreme',
Mr. & Mrs. Pat McMurrey
Small-Miniature: 'Tammia', Thomas M. Weeks

C. reticulata:

Large-Very Large, In Open: 'Royalty Var',
H. R. Norsworthy
Medium-Large: 'Dr. Louis Pollizzi',
Dr. Emil Carroll
Protected: 'Woodford Harrison',
Charles B. Malone
Runner-up: 'Jean Pursel', Jack Greenberg

C. hybrid:

In Open: 'Julie', H. R. Norsworthy
Protected: 'Taylor's Supreme',
Thomas M. Weeks
Best Novice: 'Tomorrow Park Hill',
W. B. Knox

ACS GOLD CERTIFICATES:

In Open: Boyd C. McRee
Protected: Mr. & Mrs. Pat McMurrey

ACS SILVER CERTIFICATES:

In Open: H. R. Norsworthy
Protected: Charles B. Malone

NUMBER OF ACS MEMBERSHIPS SOLD:
None.

DALLAS, January 21, 1989. (36th Annual)
Sponsor: Dallas Camellia Society
Number Blooms Displayed: 423. Attendance: 250.

ACS OUTSTANDING BLOOM CERTIFICATES:

Most Outstanding Bloom:

'Dr. Clifford Parks Var',
W. F. Mann

C. japonica:

Large-Very Large: 'Helen Bower',
Dudley Boudreaux
Runner-up: 'Tomorrow's Dawn',
Bess Laird Carvain
Medium-Large: 'Cherries Jubilee',
Jack Greenberg
Runner-up: 'Betty Sheffield Pink Heart',
Bess Laird Carvain
Medium: 'Margaret Davis', Ethel Worley
Runner-up: 'Just Sue', Ethel Worley
Small: 'Little Susie', W. F. Mann
Runner-up: 'Grace Albritton', Ethel Worley
Miniature: 'Something Beautiful',
Mrs. Temple Bowen
Runner-up: 'Men's Mini', W. F. Mann

C. reticulata:

Best Bloom: 'Dr. Clifford Parks Var',
W. F. Mann
Runner-up: 'Dr. Emil Carroll', Thomas Weeks

C. hybrid:

Best Bloom: 'Julie Var',
Mr. & Mrs. Pat McMurrey
Runner-up: 'Julie', Ethel Worley
Best Novice: 'Nuccio's Gem', Jack Nelson

ACS GOLD CERTIFICATE:

Charles Malone

ACS SILVER CERTIFICATE:

Jack Greenberg

NUMBER OF ACS MEMBERSHIPS SOLD:
Two.

FORT WORTH, February 19, 1989. (31st Annual)

Sponsor: Fort Worth Camellia Society
Number Blooms Displayed: 486. Attendance: 1000.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Very Large: 'Tomorrow', Bess Laird Carvain
Runner-up: 'Tomorrow Park Hill',
Dr. & Mrs. S. P. McMurrey
Medium-Large: 'Pink Pagoda',
Dr. & Mrs. R. P. McDonald
Runner-up: 'Betty Sheffield Pinkheart',
Bess Laird Carvain
Medium: 'Gone Again Blush',
Dr. & Mrs. S. P. McMurrey
Runner-up: 'Herme', Mr. & Mrs. L. H. Reese
Small: 'Tammia', Bess Laird Carvain
Runner-up: 'Black tie Var',
Mr. & Mrs. Alfus O. Johnson
Miniature: 'Something Beautiful',
Mrs. Temple P. Bowen
Runner-up: 'Bonbon', Bess Laird Carvain

C. reticulata:

Best Bloom: 'Dick Goodson',
Mr. & Mrs. Jack Greenberg
Runner-up: 'Arcadia', Dr. & Mrs. Emil Carroll

C. hybrid:

Best Bloom: 'Buttons 'N Bows',
Dr. & Mrs. Emil Carroll
Runner-up: 'Charlean Var',
Mr. & Mrs. Jack Greenberg
Best Novice: 'Lallarook',
Mr. & Mrs. Charles Watson

ACS GOLD CERTIFICATE:

Dr. & Mrs. S. P. McMurrey

ACS SILVER CERTIFICATE:

Charles B. Malone, Jr.

NUMBER OF ACS MEMBERSHIPS SOLD:
None.

HOUSTON, December 3-4, 1988. (31st Annual)

Sponsor: Houston Camellia Society
Number Blooms Displayed: 466. Attendance: 174.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Mary Agnes Patin',
H. R. Norsworthy

Runner-up: 'Lady Laura', Dudley Boudreaux

Medium: 'Betty Sheffield Supreme',

H. R. Norsworthy

Runner-up: 'Betty Sheffield Supreme',

H. R. Norsworthy

Runner-up: 'Betty Sheffield Silver',

Dudley Boudreaux

Small: 'Kiku-Toji',

Mr. & Mrs. Alfus O. Johnson

Runner-up: 'Ave Maria', Mr. & Mrs. Bob Henry

Miniature: 'Fircone Var', H. R. Norsworthy

Runner-up: 'Jane Eagleson Var',

Dr. Roland A. Kringel

C. japonica: (Protected)

Large-Very Large: 'Carter's Sunburst Var',

Ethel S. Worley

Runner-up: 'Tomorrow's Dawn',

Mr. & Mrs. Pat McMurrey

Medium: 'Margaret Davis', Ethel S. Worley

Runner-up: 'Justine Carroll', Thomas M.

Weeks

Miniature: 'Men's Mini', W. F. Mann

Runner-up: 'Hopkins Pink',

Mr. & Mrs. Pat McMurrey

C. reticulata:

In Open: 'Valentine Day', Dudley Boudreaux

Runner-up: 'Valentine Day Var',

H. R. Norsworthy

Protected: 'Dr. Clifford Parks', W. F. Mann

Runner-up: 'Dr. Clifford Parks',

Mr. & Mrs. Alfus O. Johnson

C. hybrid

In Open: 'Charlean', H. R. Norsworthy

Runner-up: 'Julie', Thomas Weeks

Protected: 'Julie Var', W. F. Mann

Runner-up: 'Julie', Bill O'Rourke

C. sasanqua:

Best Bloom: 'Showa-No-Sakae',

Mr. & Mrs. Pat McMurrey

NUMBER OF ACS MEMBERSHIPS SOLD:

None.

TYLER, February 12, 1989. (40th Annual)

Sponsor: Tyler Camellia Club
Number Blooms Displayed: 450.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Very Large: 'Carter's Sunburst',

H. R. Norsworthy

Runner-up: 'Terry Gilley Var',

Mr. & Mrs. Alfus O. Johnson

Medium-Large: 'Cherries Jubilee',

Mr. & Mrs. Alfus O. Johnson

Runner-up: 'Betty Sheffield Supreme',

Mr. & Mrs. L. H. Reese

Medium: 'Mrs. Woodrow Hathorn',

H. R. Norsworthy

Runner-up: 'Fran Mathis Var',

H. R. Norsworthy

Small-Miniature: 'Man Size', H. R. Norsworthy

Runner-up: 'Little Red Riding Hood',

Mr. & Mrs. Alfus O. Johnson

C. japonica: (Protected)

Large-Very Large: 'Tomorrow's Lisa',

Estate of Bess Laird Carvain

Runner-up: 'Tomorrow's Dawn',

Estate of Bess Laird Carvain

Medium-Large: 'Ville de Nantes',

David Ruben

Runner-up: 'Betty Sheffield Pinkheart',

Estate of Bess Laird Carvain

Medium: 'Nuccio's Pearl', Gerald Henderson

Miniature-Small: 'Black Tie', Charles Malone

Runner-up: 'Man Size',

Mr. & Mrs. Pat McMurrey

C. reticulata:

Best Bloom: 'Harold L. Paige',

Charles Malone

Runner-up: 'Lasca Beauty',

Dr. & Mrs. Carter Anderson

From the Desk of the Executive Director



Ann Blair Brown

Spring has come in all its glory to the Middle Georgia area. It came earlier this year. The view from the office is magnificent. The dogwoods and the azaleas are in full bloom. We still have a few camellias. The daffodils were lovely but they are now a beautiful memory. This has been a banner year for the camellias at Masee Lane. Fortunately, we have had many visitors to view these lovely blossoms. I attended 14 shows this season and in most shows, the tables were overflowing with quality blooms. This has been true along both the Atlantic and Gulf Coasts. Reports from the Pacific Coast are just as encouraging.

The tour buses have found us and it is a real joy to see so many enjoy our Headquarters, the camellias and the many beautiful art objects. Last Friday, we were host to 22 visitors from France. Earlier last week, we enjoyed 15 overseas visitors from England, Germany, Spain, Italy and France. This group was taking a railroad trip throughout the United States and Canada. One of the ladies from France walked over to a display of cut blooms and said "I'd recognize that flower anywhere in the world." It was a 'Ville de Nantes'. She told the group that she grew up about 5 miles from the home of the flower.

It has been an exciting experience to see the Annabelle Lundy Fetter-

man Educational Museum become a reality. I doubt that any building in this area, has created more interest among the local citizens than this one. It is truly a quality building and one in which we can all take pride. All six of us at Headquarters have been faithful "sidewalk superintendents". Each day brought changes and it was exciting to see it take shape. The dedication on Saturday, April 8th, will be the highlight of the convention. This new building will be the first stop for our visitors. They will be welcomed by our newest employee, charming Susan Plummer. Once the gift shop is moved, I will again have an office. I have about 42 square feet at the moment. The library will become a library again when the porcelain is transferred. The Headquarters has been overcrowded for some time, but it has been well worth the inconvenience to have our lovely new building completed.

Tens of thousands visited the Atlanta Second Annual Flower and Garden Show in February. The ACS garden received many compliments. It was staffed by the Masee Lane contingent from 10 a.m. to 9 p.m. daily. We were excited about the interest shown in growing camellias. Our horticulturist had prepared a handout sheet listing varieties that would be more successful in colder climates. ACS received some new members and many have visited Headquarters and purchased plants. The backdrop for our garden was the front facade of a southern home, complete with a front porch and rockers. Brick paths allowed visitors to walk through the garden and admire the camellias, companion plants, perennials and spring flowering bulbs. Many of our members, including our President, visited the garden. This show is an excellent exposure for the ACS.

As we move deeper into Spring, our plants are putting on much new growth and soon flower buds will begin to form. Hopefully we will have more rain than we have had in the past few years. Our 20 year watering system continues to function albeit with some problems. With the new growth and bud formation, we look forward to another season with our favorite flower and friends. Have a super summer.

• SHOW REPORTS • SHOW REPORTS •

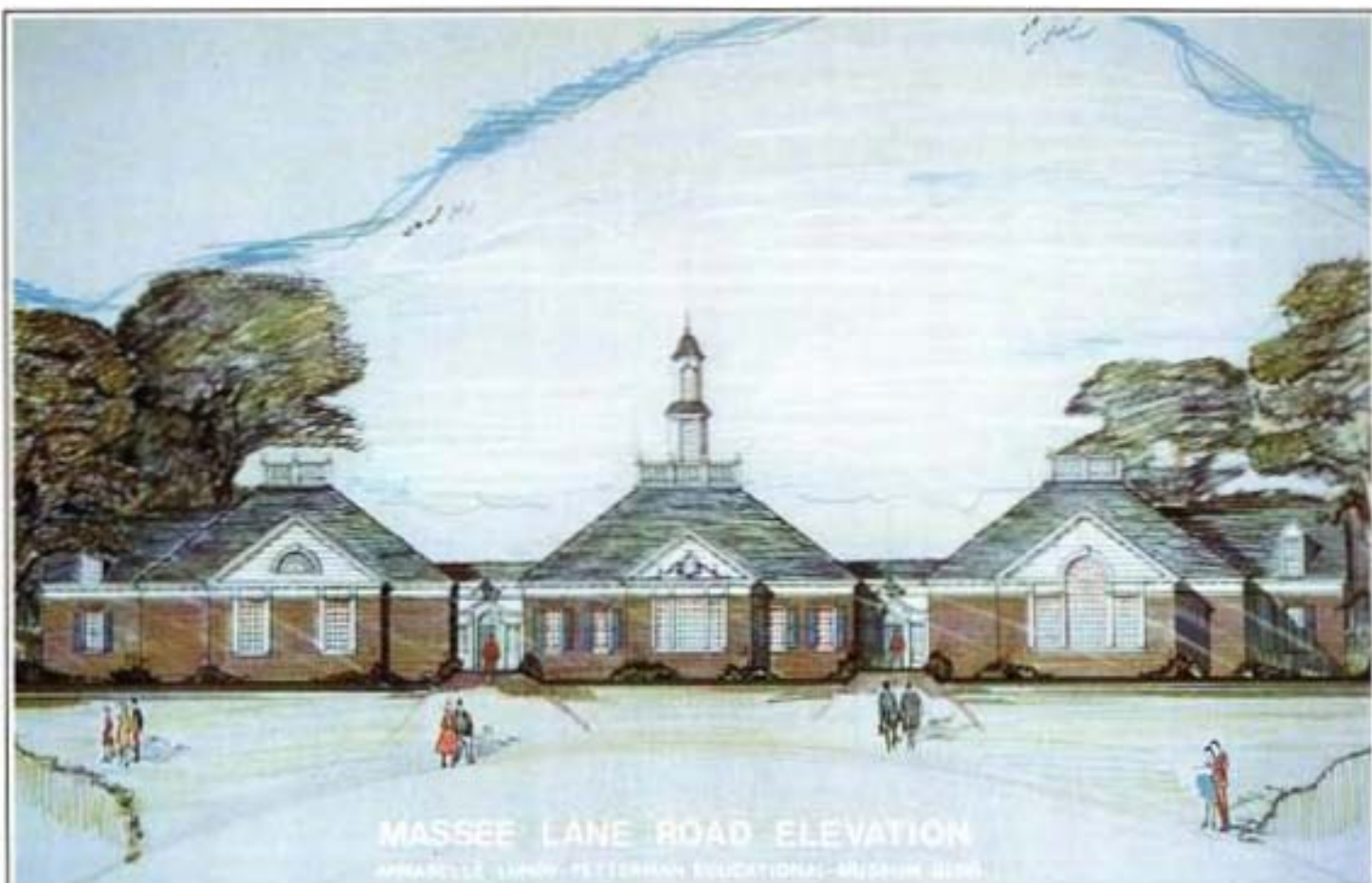
C. hybrid

In Open: 'Charlean', H. R. Norworthy
 Runner-up: 'Julie', Thomas Weeks
 Protected: 'Julie Var.', W. F. Mann
 Runner-up: 'Julie', Bill O'Rourke

C. sasanku

Best Bloom: 'Showa-No-Sakae',
 Mr. & Mrs. Pat McMurry
 NUMBER OF ACS MEMBERSHIPS SOLD:
 None





The Annabelle Lundy Fetterman Educational Museum was dedicated on Saturday, April 8, before a capacity audience. The final banquet of the ACS Convention was held in the Exhibition and Banquet Hall. Other rooms include an Auditorium, Gift Shop, Projection room, Office, and a Catering Kitchen. This building is the first stop for our many visitors.

AMERICAN CAMELLIA SOCIETY
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