

The *Camellia* Journal



'Patricia Kooney' — *Camellia japonica*

A brilliant light pink star crowned Beauty! Large to very large semidouble to peony! Freckled all over with white highlights! Chance seedling of Ferrel and Sam Zerkowsky! Blooms are 5 1/2 inches! Eight rows of 60 big petals! Propagated by Tamara Nursery, Slidell, Louisiana, fall 1987. Mid-season.

AN OFFICIAL PUBLICATION OF THE AMERICAN CAMELLIA SOCIETY

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ANNABELLE FETTERMAN

President's Message

North Carolina — You are beautiful! From the Skyline Drive through majestic mountains in the western part of the state to the soft sandy beaches of the east coast, there is something here for everyone. Eastern Carolina folks are looking forward to having you with us for the Fall Meeting of the American Camellia Society in the Fayetteville area. Our award winning Convention Chairperson, Martha Duell and her committees are already scurrying about to make this a memorable event for you. Please come to Fayetteville October 29, 30 and 31 so we can show you what southern hospitality is really like.

You'll take home some wonderful memories just as we did from Portland where the folks were so nice to us at the ACS Meeting in early April. Our sincere "thank you" to all our friends in the Portland area. The most memorable event to me was the planting of a camellia in memory of our past president and one for the incoming president on the

campus of the University of Portland. What a kind, thoughtful deed — who else would think of it but Vera and Al Parker. We could go on and on about the covered wagon centerpieces for one banquet and the Teepees centering the tables for the farewell banquet when we all enjoyed barbecued Pacific Salmon. The Camellia Show was within walking distance of the Red Lion Inn and Lew and I enjoyed helping with the judging as we had not been privileged to help with one that late in the season.

I continue to be amazed at these lovely evergreen plants that bloom so beautifully from coast to coast. How camellias bring us together in friendship and fellowship! And as cold hardiness becomes a reality farther and farther north, perhaps we'll soon be growing them from the Great Lakes to the Gulf of Mexico. Then we can have a great sharing time with northerners who have only heard of camellias and never seen their lovely blooms for real. We want everyone to enjoy that feeling of exhilaration that comes with seeing one for the first time. You southerners have grown up with them so you may not realize what gems are growing all around you. However, someone coming from the north as we did, realizes that the plants as well as blooms are something special!

Many more travelers from everywhere will be attracted to ACS Headquarters when we carry out the overall plan adopted for Masee Lane by the Board of Directors. A good beginning will be to have the Education & Exhibition Hall located near the entrance to the gardens so visitors can be given some information about camellias and the gardens before starting the tour of the grounds. The challenge grant offered to ACS brings this very practical and much needed building within our grasp. If everyone will give, not till it hurts but till it feels good, we'll make it.

Spring growth on our plants has been more vigorous than in recent years and I understand from other growers that this same lush growth is occurring over other parts of the country, too. Next, we'll be looking for plump bloom buds and then those lovely flowers for shows and sharing, enjoyment and caring — just what we've waited for all summer!

OFFICIAL PUBLICATION OF THE *American Camellia Society*

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A membership in or subscription to American Camellia Society will bring you a Yearbook and four issues of *The Camellia Journal*.

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The *Camellia* Journal

WORLD'S LARGEST PUBLICATION DEVOTED TO THE GENUS CAMELLIA

Volume 42

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Election of Directors-at-Large And State Directors For Atlantic Coast Territory

As Vice President for The Atlantic Coast Territory, L. M. Fetterman has reported the following for nomination for Directors-at-Large and State Directors. In accordance with the Bylaws as amended, every effort was made to obtain at least two persons for each position. In most cases this was not possible as the Incumbents were so well regarded that others did not wish to enter into nomination in opposition to them.

Since there are no contests for Directors-at-Large and for State Directors other than for the State of Georgia, ballots will be sent only to members in Georgia to vote only for their State Director. All others are, in effect, elected by acclamation since there was no opposition. Members in the State of Georgia are asked NOT TO SEND IN ANY VOTES UNTIL YOU RECEIVE THE OFFICIAL BALLOT WITH THE INSTRUCTIONS. Ballots will be mailed September 1 and must be sent to Headquarters postmarked no later than October 15. Ballots will be counted by a committee appointed by the President of the American Camellia Society.

DIRECTORS-AT-LARGE

Mrs. C. C. (Edith) Mason, Norfolk, VA is reelected.

Carl M. Allen, Jr., Wilmington, NC is reelected.

DIRECTORS

D. C./MARYLAND

Richard Waltz of Baltimore is elected. He is a charter member of the Pioneer Camellia Society of Baltimore and has served as Show Chairman. Richard has been a member of the ACS for nine years. He is currently serving as President of the Atlantic Coast Camellia Society. He is building a greenhouse on his property. He and his wife, Jeanette, attend many camellia shows on the East Coast.

VIRGINIA

Robert O. Matthews of Norfolk is reelected.

NORTH CAROLINA

Harry D. Watson of Charlotte is elected. He has been a member of the ACS for over 30 years. He has served many times as Show Chairman of the Charlotte Camellia Show. He is currently President of the Charlotte Men's Camellia Club. He and his wife, Lena, are accredited ACS judges and attend and judge many shows each year. He is an excellent grower and is especially fond of miniature and small varieties.

SOUTH CAROLINA

William (Bill) T. Shepherd of North Charleston is reelected.

GEORGIA

Marvin Jernigan of Warner Robins is a life member of the American Camellia Society.

He was active in the reorganization of the Middle Georgia Camellia Society and has served three terms as President. He has served on the Board of Directors of both the Atlantic and Gulf Coast Camellia Societies. He is an excellent grower and his blooms are often found on the Head Table. He has an interest in hybridizing and has approximately 1,500 seedlings at the present time. He and his wife, Ruth, are accredited ACS Judges and attend and judge many shows on the Atlantic and Gulf Coasts.

John Newsome of Atlanta has been actively growing camellias for 15 years. He is a Life Member of the American Camellia Society. He has served several terms as President of the North Georgia Camellia Society. He has also been Show Chairman and Chairman of Judges for this society. John is a fine grower and his blooms often take top honors. He is well known on the "camellia circuit" along the Atlantic and Gulf Coasts. He is a member of the Board of Directors of the Atlantic and Gulf Coast Camellia Societies. John is an accredited ACS Camellia Judge.

NORTHEAST UNITED STATES

Frederick E. Roberts of Kennett Square, Pennsylvania is elected. He is the Director of the world famous Longwood Gardens. He graduated from the University of Connecticut with a B.S. degree in horticulture. His M.S. degree in ornamental horticulture was received from the University of Delaware under the aegis of the Longwood Graduate Program. Prior to coming to Longwood, he served as executive director of the Worcester County Massachusetts Horticultural Society. Before moving to Massachusetts he was director of the Kingwood Center in Mansfield, Ohio, a 47 acre display garden with the primary function of serving the needs of the amateur gardeners. He brings a wealth of talent to the ACS.

—ACS—

ACS Offers Slide Sets

The American Camellia Society is continually working to better inform both our members and the general public about camellias and their care. In line with this purpose we currently have 15 slide sets complete with text which may be borrowed for programs. We suggest a \$10.00 donation to cover postage and handling and the cost of updating sets with new slides. These slide sets are sent First Class Mail about 10 days prior to the date requested. They will be reserved in advance on a first-come, first-serve basis. We currently have 2 or 3 copies of some of the more popular sets. These slide sets make excellent programs for local societies and are also available for use when you are asked to present a program to a garden club, civic club, etc. The slide programs are continually being updated and two new sets have been added this year.

- 1) **GOOD GARDEN VARIETIES** — This set contains about 60 slides of camellia varieties which do well in outdoor plantings in most camellia areas. Different flower forms, colors, and blooming season are given in the text.

- 2) **NEW VARIETIES** — 60 slides. This set is constantly being revised as new slides are received. Use this slide set to keep up with the latest varieties registered with ACS from the East, Gulf, and West coasts. The text gives the originator and parents of the new variety if known as well as other information on bloom size and season.
- 3) **THE JUDGES HAVE SPOKEN** — Over 80 slides. Keep up with what varieties have been winning shows throughout the country. Those varieties that had three or more wins in the 1985-86 season are included. This set is updated in December to include those from the 1986-87 season.
- 4) **CAMELLIA FAMILIES** — 72 slides. This very interesting set of slides illustrates some of the major camellia families including the 'Betty Sheffield', 'Tomorrow', and 'Elegans' families.
- 5) **COLD HARDY CAMELLIAS** — Shown here are varieties of camellias that will bloom successfully in all areas in the camellia belt following all but the most severe of winters. Text includes information on bloom size and season.
- 6) **OLD FAVORITES** — This set contains slides of camellia varieties

which have been around for a number of years and are still popular today. Descriptions of the flowers and their origins are included in the text.

- 7) **AWARD WINNING CAMELLIAS** — Over 80 slides. This set includes slides of all ACS National Camellia awards. Included are the Illges Seedling Japonica Award, the Peer Sasanqua Award, the Sewell Mutant Award, the Harris Hybrid Award, the Arminta Cawood Award, the Harold Cawood Award, the John A. Tyler, Jr. Miniature Award, the Australian Camellia Research Society Trophy, and the Hall of Fame Winners.
- 8) **HYBRIDIZING IS FUN** — 40 slides. Learn how the experts produce new varieties. These excellent "how-to" slides and text describe how simple it is for anyone to become a camellia hybridizer.
- 9) **GIBBING** — 20 slides. The articles and slides describe what gibberellic acid is, what it does for camellias, and how to apply it to obtain earlier and larger camellia blooms. Excellent for novice growers.
- 10) **GRAFTING** — 57 slides. This set includes sections on cleft grafting, cutting grafts, and grafting the big ones. Articles on grafting are in-

cluded with the text. Another excellent set for novice growers.

- 11) **DISEASES AND PESTS** — This set of slides illustrating common camellia problems is designed to help both the novice and experienced grower diagnose camellia ills.
- 12) **POTPOURRI OF MASSEE LANE** — This set illustrates the many interesting and rare things to see at Massee Lane. Enjoy a visit to your Headquarters by watching this slide set.
- 13) **AWARD WINNING ARTISTIC ARRANGEMENTS** — 40 or 80 slides as requested. Camellia arrangements which have won in various camellia shows throughout the country are represented here.
- 14) **CAMELLIA GARDENS THROUGHOUT THE U. S. — NEW!!!** This set of slides illustrates the major gardens throughout the United States that feature camellia collections. Take a tour of beauty with this slide set.
- 15) **CAMELLIA SPECIES** — This set will include many of the camellia species which are now known to be in the United States. These slides illustrate the variety of the camellia family.

— ACS —



Bagby Hall holds the attention of Jean and John Comber at the Jackson Camellia Society Show. Mary Love Gentry is at the left. Photo by Dave Scheibert

Oldest ACS Member Dies

The American Camellia Society lost its oldest member on April 4th. Mrs. Mabel Hitchcock, aged 107 years, died in Andrews, Texas. She lived for many years in Little Rock, Arkansas.

Mrs. Hitchcock became an accredited ACS Judge after she was ninety years old. She was also a National Council Judge. She judged in standard as well as camellia shows throughout the United States. She owned and operated a beauty shop for many years.

She is survived by a son, four grandchildren and seven great-grandchildren. She was a member of the First United Methodist Church of Little Rock. She was buried in Andrews, Texas.

Notes from the Horticulturist

For many of us the month of August signifies a time of endings and beginnings. Since our school days we remember August as the month when summer ends and the school year begins. So it is with camellias. For many of us August is the month to "begin" the camellias season, because it is in August that the "gibbing" of camellia buds begins. With this gibbing we all eagerly anticipate the first camellia blooms of the season. For those who have not used gibberellic acid previously, I recommend this as a method of extending the camellia blooming season. The application of gibberellic acid to camellia buds generally results in both earlier and larger camellia blooms. Although there is no way to predict when flowers will bloom after applying the gib, 4-6 weeks is a good estimate. Those gibbed earlier in the season may respond somewhat slower than those gibbed later. I generally recommend beginning a "gibbing" program from mid-August to early September. A schedule of gibbing once a week until December will ensure blooms over a long period of time. Certain varieties respond better to gibberellic acid than others. Early blooming varieties respond better to early doses of gib than late blooming varieties. When the weather is warm, red flowers that have been gibbed may appear purplish. Other varieties have a tendency to bullnose (not open properly). Experience will tell you which varieties will respond best to the gib treatment. The rate of response often varies with the weather. To purchase gibberellic acid send \$6.50 to ACS Headquarters for 1 gram of gibberellic acid powder. One gram will treat about 200 flowers. Directions for mixing and using come with the powder. Often people ask what is gibberellic acid. "Gib" is a plant growth regulator (hormone) found naturally occurring in plants. A small amount will stimulate various reactions. Generally, gibberellic acid produces larger flowers by increasing cell division and cell size.

I cannot overemphasize the importance of proper watering. As the flower buds continue to form it is important to supply water on a regular basis. Camellias

prefer a slightly moist soil. During the hot months of summer and early fall, flower buds are developing and need a good supply of water to ensure good flowers. A thorough, deep watering is much more beneficial than many shallow ones.

Many local societies which do not meet during the summer are now gearing up for a busy year. In each Journal there is now a feature called Club Corner which highlights activities of local societies. Be sure to let us know about any program, project, etc. of your club that you feel would be of interest to the reader. Interesting programs may be obtained from ACS Headquarters. Several slide sets are available which make good programs. See an article elsewhere in the Journal.

As Fall approaches it is also the time of year to disbud your camellias. Some plants may set a large number of flower buds at the end of the stem. To ensure larger, better-formed flowers, twist off the extra flower buds leaving only one per terminal. Flower buds can be distinguished from vegetative buds by their shape. The flower buds are fatter while the vegetative buds are long and slender. By removing all of the flower buds except one per stem, the energy of the plant will be concentrated into one flower rather than many and will form a larger flower. Some growers will disbud the plant very severely to obtain a few, larger blooms.

The summer at Masee Lane has been beautiful with the colorful blooms of roses and daylilies on display and the cool serenity of the Japanese Garden inviting visitors to "rest awhile." However, we are all eagerly awaiting camellia season when the gardens reach their full beauty. Hope to see you here!!

ACS FACT SHEETS

Available to clubs and individuals are the ACS FACT SHEETS. These one page sheets describing various aspects of camellia culture were prepared by the Horticulturist. They are especially useful for new camellia growers and would make

an excellent addition to the Membership/Information Booth at your show. What better way to get new members than to help them learn how to grow camellias? These sheets are available at a cost of 25 cents per copy which includes postage and handling. 15 FACT SHEETS are available.

- No. 1. Planting and Care of Camellias
- No. 2. Pruning and Disbudding of Camellias
- No. 3. Disease Problems of Camellias
- No. 4. Good Garden Varieties
- No. 5. Gibbing Camellias
- No. 6. Grafting Camellias
- No. 7. Air Layering Camellias
- No. 8. Propagating Camellias by Cuttings and Seed
- No. 9. Insects and Pests of Camellias
- No. 10. Fertilization and Soils for Camellias
- No. 11. Fundamentals of Breeding Camellias
- No. 12. Container Culture of Camellias
- No. 13. Cold Hardy Camellias
- No. 14. Greenhouse Culture of Camellias
- No. 15. History of Camellias

ACS

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I would like a plant or scions of 'John Comber'.

JOHN R. COMBER
105 Shasta Road
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ICS Congress in Naples, Italy in 1988

The International Camellia Society Congress will be held in Naples, Italy beginning Tuesday, March 22 until Sunday March 27, 1988 under the auspices of the ICS, the Italian Camellia Society in cooperation with the Garden Club of Naples. The official language of the Congress will be English and Italian. The cost of the Congress will be 350,000 Italian lire. As of June 30, the exchange is 1285 lire for one American dollar. The fee includes the study tour each morning of the Congress, dinner on the 23rd, lunch on the 24th, lunch and dinner on the 26th and coffee and tea during the Congress. There will be pre convention and post convention optional tours.

Climate in the month of March is characterized by the alternation of very beautiful sunny days (16°C-60°F) with days during which the temperature is a bit colder (11°C-52°F). March is the best season for the flowering of most camellia plants. Those planning to attend should immediately contact *Miss Paola Boccia*,

Secretary, Garden Club of Naples, Via Chiatamone 60/B-80121 Naples, Italy. An abbreviated schedule follows:

March 22, Tuesday

Congress registration at the Vesuvio Hotel
Welcome cocktail party by the Garden Club of Naples
Dinner of ICS Directors and Officers
Sightseeing of the city by night (optional but 30 people are required)

March 23, Wednesday

Breakfast at Hotel
Depart by bus and visit Orto Botanico
Congress opens
Dinner with local specialties

March 24, Thursday

Breakfast at Hotel
Depart by bus for Caserta for a visit to the Royal Palace and Park
Lunch at Hotel
Congress resumes

March 25, Friday

Breakfast at Hotel

Depart by bus and visit Villa Floridiana park and view century old trees and camellias. You will also visit Duca di Martina Ceramics Museum and view important ceramics collections and European, Chinese and Japanese porcelains

Congress resumes

March 26, Saturday

Breakfast at Hotel
Depart by bus to visit Princes de Gregorio di S. Elia's garden at Barra
Visit camellia show at Villa Campolieto
Buffet lunch
Visit gardens of Villa Lanzara and Villa Pisapia or Sicca
Farewell dinner given by Princes d'Avalos' at the mansion

March 27, Sunday

Breakfast at Hotel
Free morning — At least 20 and no more than 50 may visit a coral factory or Capodimonte Park and Museum or Lady Walton's garden on Ischia Isle or S/ Chiara's cloister and S. Domenico Maggiore's Church

A Large Selection — Choice Camellias — Growing in Containers TAMMIA BLUE RIBBON WINNERS — 1- to 12-Yr. Grafts — In Our Special Soil

We specialize in large specimens grown outside and inside — 8 - 10 - 12 feet tall

'Patricia Kooney' — Cover ACS Journal August 1987

Unusual semidouble to peony bloom, large to very large, light pink beautifully freckled with highlights of white with tipped white petals. Abundant Blue Ribbon blooms, long lasting, in mid-season. Likes "Gib". A new and different look in the *Camellia japonica*!

Grafts in 1988

SPECIAL FEATURE! OUR FIRST SALE! SINCE 1944! SPECIMEN CAMELLIAS! *Inside* — container grown 3 to 8 feet tall! In ground 3 to 12 feet! *Grown outside* — 3 to 16 feet! Tag now — dig later!

Savings 30% to 50% off! F.O.B. nursery. A rare offering for many who want large camellias!

Sale starts August 3, 1987. You can pick up container plants at once. Growing plants not in containers can be tagged and dug later.

Don't miss this sale! We dig — U-Haul!

We are USDA certified to ship camellias to all states in soil mixture in containers.

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Martha Duell, ACS Fall Convention Chairman, was recently named 1987 Citizen of the Year by Fayetteville, NC Mayor Bill Hurley for her outstanding work in the community.

Convention Chairman Honored

Martha A. Duell, Fall ACS Convention Chairman, was named Fayetteville's 1987 Citizen of the Year by Mayor Bill Hurley. She was honored during the city's Dogwood Festival in April when she was grand marshal of the Dogwood Festival Parade. She is president of the Lafayette Society and a longtime civic leader.

The award is presented to "that individual who has contributed to the improvement of the quality of life in Fayetteville/Cumberland County in such a way that the entire community has benefitted."

Earlier this year, Mrs. Duell was presented a Methodist College Medallion for her work as founder and president of the Lafayette Society, her "endless hours in establishing a closer bond between France & America," and for leading major fund raising drives on behalf of the college. She is a giving person and a fantastic organizer. Martha works with many organizations as a Board member and she has been a member of the Fayetteville Camellia Club for over 20 years. Currently, she is auctioneer for the annual plant sale and Treasurer of the Club.

We congratulate her on receiving these well-deserved honors.

Camellias Registered with the ACS Since the May 1987 Journal

Name and Description	Registry Number	Originator
'My Nancy', medium, pinkish-purple to lavender mottled white, semidouble to peony form <i>C. japonica</i> sport of 'Mark Alan', mid-season	2047	Dr. Howard W. Ramsey
'Ethyl Rhyne', large, white with pink edged petals, formal double <i>C. japonica</i> chance seedling, mid-season to late	2048	Marshall Rhyne
'Ayer-Maid', medium to large, white, semidouble <i>C. japonica</i> chance seedling, mid-season	2049	Claudia Ayer
'Raspberry Ice', large, light rose with wide white petal edges and streaks of raspberry on each petal, semidouble <i>C. japonica</i> mutant of 'Cinderella', mid-season to late	2050	Monrovia Nursery
'W. L. Smith', large, (three colors of blooms on same bush) color #1 — white with large dark red stripes sometimes covering up to half of bloom, color #2 — dark red, color #3 — pink with dark red stripes and petals edged in white, semidouble to peony form <i>C. japonica</i> chance seedling, mid-season	2051	Walter L. Smith
'Penny Smith', large, deep vibrant red, peony form <i>C. japonica</i> chance seedling, mid-season	2052	Walter L. Smith
'Rebecca Renee', medium, vibrant Chinese red, semidouble <i>C. japonica</i> chance seedling, mid-season	2053	Walter L. Smith
'Patsy Smith', medium, blood red, semidouble <i>C. japonica</i> chance seedling, early to mid-season	2054	Walter L. Smith
'Little Masterpiece', small, white, formal double to rose form double, <i>C. japonica</i> chance seedling, early to late season	2055	Elmer F. Achterberg
'Peppermint Patty', medium, white with red stripes and pink blotches, semidouble to rose form double, <i>C. japonica</i> ('Hiko Osoraku' x 'White Butterfly') mid-season to late	2056	Dr. William L. Ackerman
'Douglas Deane Hall', small, deep rose pink to red, rose form double to formal double <i>C. hybrid</i> (<i>C. rusticana</i> 'Yoshida' x <i>C. japonica</i> 'White butterfly') early to late season	2057	Dr. William L. Ackerman



Dorothy and Jim Hansen with Ann Brown at the ACS Headquarters. Jim Hansen is the President of the New Zealand Camellia Society. Photo by Betty Hotchkiss

Tentative Agenda

Thursday, October 29

8:00 a.m.-4:00 p.m. Registration
(Lobby: Howard Johnson Hotel,
I-95, Exit 49, Fayetteville, NC)

9:00 a.m. Committee Meetings

10:00 a.m. Governing Board
Board of Trustees

NOON Lunch on your own

1:30 p.m. Opening Session of Convention
Educational program

4:00 p.m.-6:00 p.m. Hospitality Room

6:00 p.m. Board buses for Clinton
See Wild Animal & Marine Life Trophy Collection
by Mr. & Mrs. Burrows T. Lundy

7:00 p.m. North Carolina Pig Pickin
Hosted by ACS President Annabelle & Lew

9:00 p.m. Board buses for return to Fayetteville

Friday, October 30

8:00 a.m. Registration

8:00 a.m.-11:00 a.m. Enter blooms in Show at Cross Creek Mall

11:00 a.m. Judges assemble to judge show

1:00 p.m. Luncheon for judges at Morrisons, Cross Creek Mall
Others have morning free and lunch on your own

2:00 p.m. Board buses for tour of Fort Bragg and Pope Air
Force Base installation. Visit 82nd Airborne Division
Museum and inside of transport plane.

5:00 p.m. Board buses for return to Hotel

6:00 p.m.-7:00 p.m. Hospitality Room

7:00 p.m. Dinner at Hotel
Entertainment

Saturday, October 31

9:00 a.m. Registration

10:00 a.m. Board buses for Historic Tour
Luncheon at Historic Woman's Club's Heritage
Square

NOON Free Time

2:00 p.m. Hospitality Room

6:00 p.m.-7:00 p.m. Halloween Costume Ball and dinner buffet
All guests and servers in costume
Prizes awarded for best costume, ugliest, most
original, most beautiful
Entertainment

The ghost and goblin season is a great time to put a mask on your face and truck on down to Fayetteville, N. C. We want to show you some genuine down-home hospitality so do try to come be with us for this Convention.

With the exception of the Camellia Show, all activities will be at the new Howard Johnson Hotel or buses are provided for transporting everyone to other activities.

The Howard Johnson Hotel is easy to find — take Exit 49 off I-95 in Fayetteville. There's plenty of free parking. The usual rate is \$65, however, for this Convention they are giving us Special Rates of \$44.00 for single or double occupancy (8% tax). The hotel will provide complimentary transportation to and from Fayetteville Airport.

ACS FALL CONVENTION

October 29, 30, 31, 1987

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Mrs. Martha Duell
Convention Chairman
(919) 485-7511

Mrs. Louise Mayo
Convention Co-Chairman
(919) 484-2661

REGISTRATION INFORMATION

Name _____

Badges to Read

Address _____

	On or Before October 1, 1987	After October 1, 1987
Full Convention	\$90.00	\$95.00
Friday & Saturday Only	75.00	80.00
Saturday Only	50.00	55.00

Please enclose fee payable to ACS Convention and mail to:

Mr. & Mrs. Paul A. Dahlen, Registration Co-Chairmen
703 Laurel Drive (803) 649-9586
Aiken, South Carolina 29801

The Oregon Trail to Portland

ANN BLAIR BROWN

Those who took the Oregon Trail to Portland for the 42nd Annual American Camellia Society meeting were rewarded with breathtaking scenery, outstanding camellias and the most hospitable people one could ever meet. Although Portland is known as "The City of Roses," from April 2-5 it could have qualified for "The City of Camellias." Those attending were overwhelmed by the beauty of the very large fully flowered camellia plantings. Down every street we traveled, we had the pleasure of admiring beautiful camellia blossoms.

Our host for this meeting was the Oregon Camellia Society which was formed in December 1941. Vera and Al Parker served as co-chairmen for the Society. They were ably assisted by the Tinkles, the Gainers, Alan Taft, Lowell Cordas, Connie Foxworthy, Grace Chang Bailey who served as committee chairmen. Rave reviews were expressed by those fortunate enough to attend.

The Red Lion Inn Columbia River was the headquarters and the staff went far beyond the call of duty to make our stay a memorable one.

Members were delighted to have the Jim Hansens of New Zealand, the Leslie Riggalls of South Africa and the Anthony Heaps from United Kingdom attend. Each of these delightful couples got in a bit of traveling after the meeting before returning home.

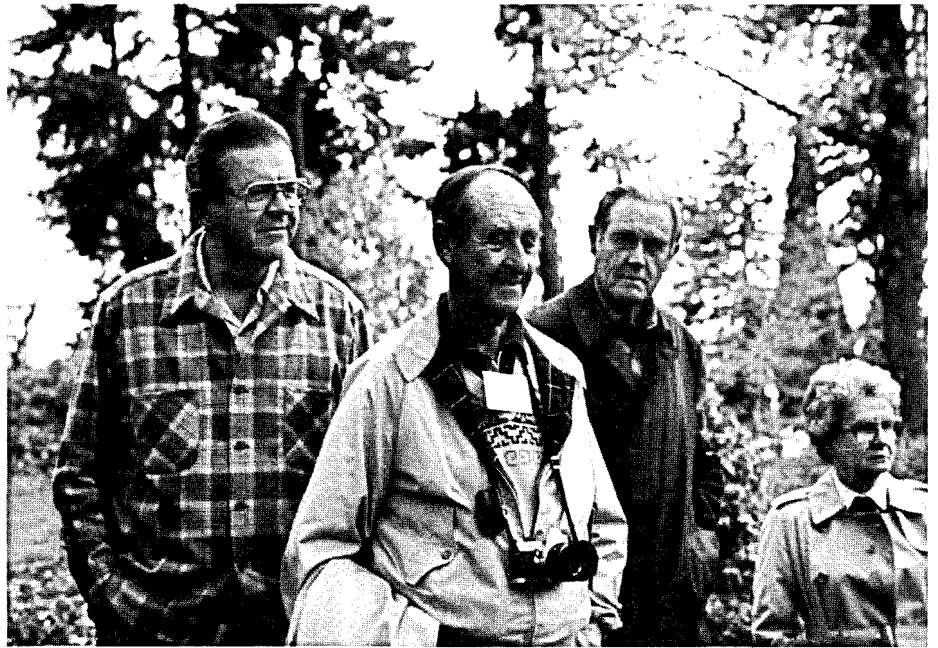
Many arrived early to take advantage of the pre-convention tours. On Monday the group was treated to a tour down the Columbia River to Astoria, the first permanent European-American Settlement in the Oregon Country. Many century old Victorian homes were noted as we drove through the countryside. After a delightful and leisurely lunch we drove down the coast to the site where the Lewis and Clark Trail ended.

Wednesday found an anxious group ready to travel up the Columbia River and around the Mt. Hood Loop. The view of the gorge at Crown Point was spectacular. We marveled at the sheer

drop of 620 feet of Multomah Fall. Lunch at the Columbia Gorge was pleasant and we were soon on our way to Mt. Hood. Traveling through the area we eventually climbed 6000 feet and visited

the Timberline Lodge, a National Historic Landmark. Skiers of all ages abounded on the snow covered slopes. After much picture taking and refreshments, we headed back to Portland.

Members were privileged to hear four fine speakers on Thursday: Lowell Cordas, Grounds Superintendent, University of Portland; Robert L. Ticknor, Professor of Horticulture at the North Willamette Experiment Station of Oregon State Uni-



Hulyn Smith, Jim Hansen, Ken Hallstone and Jackie Mann at the Rhododendron Garden in Portland, OR. Photo by Dave Scheibert



Nancy Mandarich, Hal Rambath, Jack Mandarich and Walter Homeyer enjoy the scenery at Columbia Gorge, Oregon. Photo by Dave Scheibert



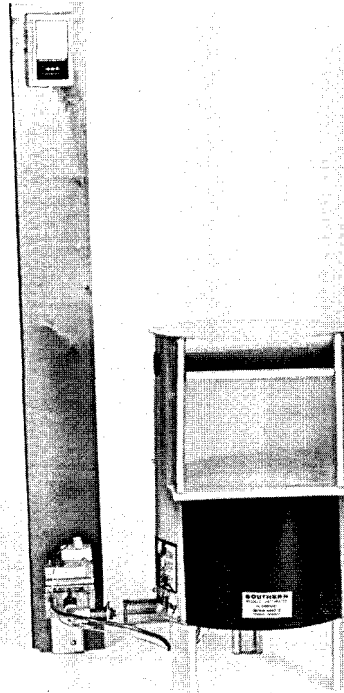
Jim Randall, Herb Racoff and Hulyn Smith admiring the camellias at the University of Portland garden. Photo by Scheibert



The rain stopped and ACS members prepare to enjoy the Japanese Gardens at Portland. Photo by Dave Scheibert



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versity, Dr. H. B. Tukey, Jr., Professor and Director of the Center for Urban Horticulture at the University of Washington, Seattle; and James H. Wagner, owner of Wagner's Landscape Service.

Friday was another exciting day as we visited the Japanese Gardens, University of Portland and planted two camellias on the grounds to honor the presidency of the American Camellia Society. The plant to honor the outgoing president was a memorial planting in memory of our

president, Ab Abendroth who died March 24. The other camellia honored Annabelle Lundy Fetterman the incoming president. Our last stop before heading back to Portland was the Crystal Spring Gardens which were at their peak of bloom.

On Saturday members had the opportunity to see the beautiful camellia show at the Mall. East and Gulf Coast members were busy making lists of "must have" camellias which had not been seen

back home. Later members were treated to the most delicious salmon ever — Indian Salmon Barbecue Buffet. The delicious aroma made one hungry as we visited and enjoyed refreshments prior to the feast. The Rose City Banjoliers provided delightful entertainment for the guests.

And so it ended. It was a memorable meeting and those who attended want to take the Oregon Trail to Portland again in the near future.

Share in the Building — The Museum-Educational Building

ANN BLAIR BROWN

The Lundy Foundation of Clinton, NC has challenged the membership of the American Camellia Society to raise \$325,000.00 to begin construction on the Museum-Educational Building in 1987. Lew Fetterman made the detailed proposal to the Endowment Board of Directors at the annual meeting in Portland, April 3, 1987.

The Lundy Foundation agrees to give \$325,000.00 toward The Annabelle L. Fetterman Museum-Educational Building if the American Camellia Society raises the additional \$325,000.00. *The building contribution will be given when the contract has been let and construction of the building has actually begun.* The Foundation further agreed for the establishment of a Maintenance and Repair Trust in the amount of \$25,000.00. The Foundation will give \$12,500.00 and the Society will fund the remaining \$12,500.00. Only the earnings from the Maintenance and Repair Trust will be used.

This proposed building is the third step in the 40th Anniversary Campaign Design. The Rose Garden and the Japanese Garden have been completed. Both of these gardens have added immensely to the enjoyment of our visitors.

The American Camellia Society is an active participant in the Historic Heartland Travel Association which is one of the 10 State Regional Tourism organiza-

tions. We are also a part of the Andersonville Trail. Because of our associations with these two organizations, we are experiencing a large increase in tour buses as well as those that travel independently. For our Canadian and many mid-west visitors, we, at headquarters, have a fine opportunity to share the camellias. For many, it is a first time experience to see camellias.

At the present time, the Gift Shop is housed in my office. We do a brisk business among our visitors but it is very difficult to carry on business with so many prospective customers around. Many of our books in the library have been moved for safekeeping so that we could add additional Boehm porcelain. We are proud of these wonderful gifts but we are running out of space.

The Museum-Educational Building will be the first stop for visitors. It will be located in the pecan grove just before you arrive at the Stevens-Taylor Gallery. There will be ample parking for cars and a drop-off point for buses. Visitors will have an overview of the gardens by video as well as an opportunity to use the gift shop. A display and banquet room, kitchen and office will be included.

Several states and individuals made commitments at the annual Portland meeting. Since the proposal states that the Lundy Foundation contribution will be given when the contract has been let and construction of the building has actu-

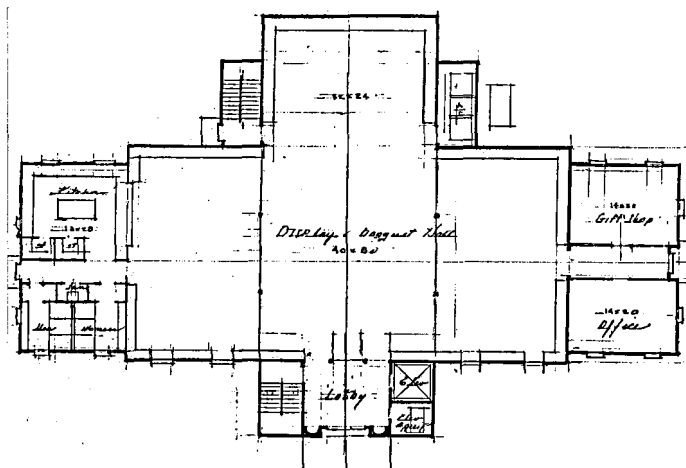
ally begun, the Directors approved immediate plans for securing the funds.

Commitments were made by several societies and individuals. They are:

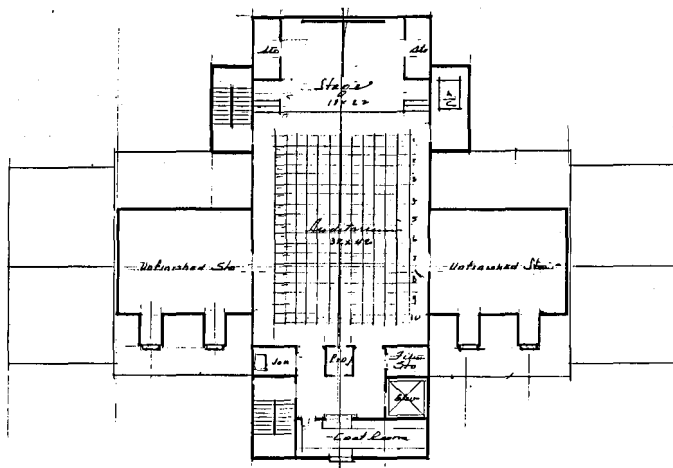
Lobby — Texas
Elevator — North Carolina
Gift Shop — Dr. David Scheibert
Cloak Room and Lounges — Florida
Main Auditorium — Georgia
East Auditorium — Alabama
West Auditorium — Mr. and Mrs. Carl Allen, Jr. to honor Mr. Les Marbury, Past President of the American Camellia Society
Audio Visual System — Virginia
Security System — California

As of this writing the following rooms are available for either a state, society or individual designation. They are the Kitchen, Main Display and Banquet Room, Office and the Stage. We welcome other societies or individuals to make a commitment by pledge or cash *immediately*. For more information, contact Alfus Johnson (713) 367-1364, 58 South Longspur, Woodlands, TX 77380; Ann Blair Brown (912) 967-2358, P. O. Box 1217, Fort Valley, GA 31030; Stuart Watson (912) 436-1545, P. O. Box 2008, Albany, GA 31703-2001 or your State Director.

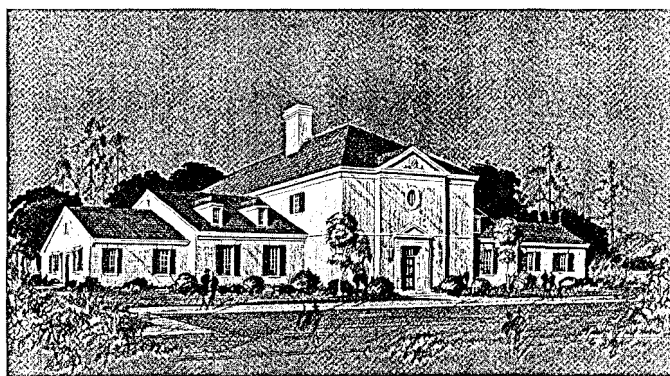
Please join your fellow camellia lovers in completing phase 3 of the Fortieth Anniversary Campaign. You'll be glad you did.



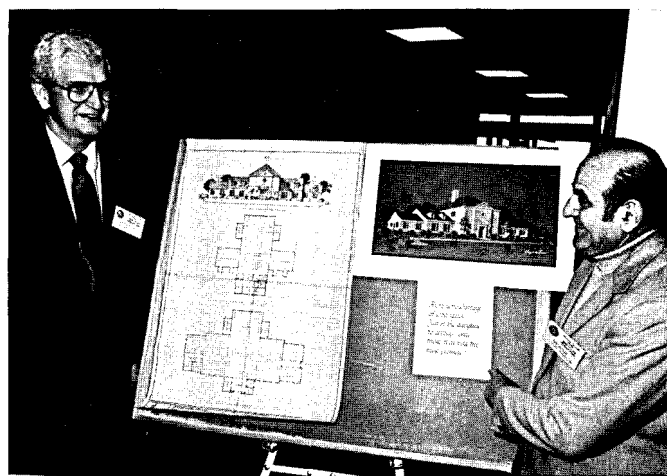
First Floor Plan



Second Floor Plan



Proposed Annabelle Lundy Fetterman Educational-Museum Building



Lew Fetterman and Dan Nathan show Board members the architect's drawing and plans for the proposed Educational-Museum Building at Massee Lane. Photo by Greg Davis

Highlights of the ACS Governing Board and Endowment Board Meeting

Annabelle L. Fetterman, President of the ACS presided and received the following reports.

Exhibitions and Awards Chairman, Dr. Herbert Racoff had several recommendations from his committee. The Board approved the increase of the Show Kit from \$10.00 to \$15.00. Additional certificates in excess of the standard show kit will be at an additional cost. Judges will be required to take a Refresher Course every five years to keep their judging status active. Courses will be offered at the ACS meetings and local and regional clubs may also offer such courses with ACS approval. Seedling cards *must* be marked Treated or Untreated when entered in a seedling class. If the card is not marked, the entry will be disqualified.

Stuart Watson, chairman of Charter and Bylaws, recommended changes to the Society Bylaws and Articles of Incorporation which were unanimously adopted. Stuart was authorized to take steps necessary to amend the Charter as voted.

In a report from Bill Donnan, Varietal Registration Chairman, it was reported that Dr. William Ackerman is making progress with some sasanquas that can withstand -15 degree temperature. He is concentrating on varieties that bloom in the Fall.

Thanks to the hard work of the Ways and Means Committee headed by Lo-

rena and Boyd McRee, this committee reported a profit of \$15,000.00. There has been a great increase in local societies purchasing ACS prizes for their shows. The increased tourism has been reflected in the gifts sold at Headquarters.

Carl Allen, Jr., reported that Wilson, N. C. had their first show with over 1200 blooms and much interest among those attending.

Ann Brown, Executive Director, reported that the tour buses have found Massee Lane. Visitation to Massee Lane has shown a large increase — both private and commercial. The workshops have been a great success with a number of out of town participants as well as local people. Approximately 50 pieces of Boehm porcelain were added to the collection during the month of December.

Treasurer W. C. Wyatt reported that the ACS had a net income from operations of \$5,104.38 for the 1985-86 year. The budget of \$109,550.00 for 1987-88 was adopted.

Long Range Planning Chairman, Dr. J. M. Habel, Jr. called on Lew Fetterman who announced a challenge grant to the Endowment Fund for the construction of the Educational Museum Building. The Lundy Foundation will give \$325,000.00 if the Society will raise the additional \$325,000.00. The building will be named the Annabelle Lundy Fetterman Educational-Museum Building. \$12,500.00 toward the maintenance of the building

will be supplied by ACS and the Fetterman family will match this amount. Only the interest from this Fund may be used. Mr. John Harris, landscape architect, prepared a long range plan for the garden and related buildings. Dr. Nathan described the arboretum to be constructed in memory of Milton Brown and Douglas Deane Hall. The plan as presented was approved. For more details about the building, see article elsewhere in this publication.

It was announced that the Education Committee headed by Paul Dahlen will publish "Camellia Culture for the Beginner." Each new member will receive a copy and a copy will also be sent with the show kit. These books will be for sale at Headquarters and clubs or individuals may order them.

Stuart Watson, Chairman of the ACS Endowment Fund Board of Directors presided and the following report highlights were given.

Alfus Johnson, chairman of the 40th Anniversary Campaign reported that \$647,474.00 had been received in cash and pledges. This does not include the generous challenge which the Lundy Foundation has made for \$325,000.00 or the Fetterman challenge of \$12,500.00 for the maintenance of the Educational-Museum Building. Herb Racoff was cited by the chairman for his outstanding work in fund raising in South Carolina. Stuart Watson explained that some have pledged donations to ACS in their wills. He suggested that those should make gifts in trust now, retaining the income for the remainder of their lives or if joint

for the remainder of the spouse's life. Such a trust could be tax deductible donation to ACS to the extent of the present value of the remainder interest.

Muriel Nathan was appointed "bird dog" to be in contact with individuals and states which accepted the challenge for rooms in the Educational-Museum Building.

A report from Hal Rambath noted that the Endowment Investments in common stock had increased from under \$200,000.00 in 1985 to almost

\$800,000.00 in 1987. He is assisted by a committee and the fund is managed by the C & S Bank.

A budget of \$94,741.00 was adopted for the Endowment Fund. Since this is the first Endowment Fund Budget, it was based on previous expenses. The Endowment Fund owns all the property, office and garden equipment, furnishings and art objects. It maintains the garden and property and some salaries.

Betty Hotchkiss, horticulturist reported on the advantages of tissue culture. She noted the success of the

workshops which ACS has sponsored this year. The grafting workshop had 19 participants. She also noted that the slide sets are being updated.

Ann Brown, secretary of the Endowment Fund Board gave the results of the questionnaire for advertising purposes. Permission was granted to charge \$1.00 per person for tour bus visitors. Since there are no camellia nurseries in the area of Massee Lane, permission was granted for the purchasing of outdoor plants to be sold at Headquarters.

ACS

40th Anniversary Campaign

The following have made pledges or contributed to the Campaign since the May 1987 *Journal*.

Birmingham Camellia Society, Inc.
Elizabeth Ann Brown
Mrs. Plant E. Brown
Dr. & Mrs. Emil Carroll
Mr. & Mrs. John R. Comber
Parker E. Connor, Jr.
Mr. & Mrs. Haywood Curlee
Mr. & Mrs. Paul A. Dahlen
Gregory E. Davis
Mr. & Mrs. Peter DiSclafani
Sue B. & Clarke W. Duncan Foundation
S. P. Dunn
Isaac Flatau
Doris E. Freeman
Gainesville Garden Club
Mr. & Mrs. Michael A. Gibson
Jack Greenberg
Mr. & Mrs. Hubert Groves
W. B. Haley Foundation
Herbert Jewelers, Inc.
John E. Holliman
Thomas E. Hughes
Mr. & Mrs. Alfus Johnson
W. F. Mann
Marilyn M. Marshall
I. John Movich
Stephen K. Myers
Dr. W. L. Pomeroy
Jean N. Scowe
John C. Selover
Mr. & Mrs. W. T. Shepherd
William T. Slick, Jr.
E. Hulyn Smith
Mrs. W. C. Smith
William D. Stewart
Louis Squyres
Transplant Nursery, The Beasleys
Mr. & Mrs. Wilton Walton
Mr. & Mrs. W. M. Wheless, Jr.

Show Dates

(ACS Cooperative Shows)

<i>Place, Location, Sponsor</i>	<i>Date</i>
Fayetteville, NC; Cross Creek Mall; Fayetteville Camellia Club	October 30, 1987
Greenwood, SC; Inn on the Square; West Carolina Camellia Society	November 7-8, 1987
Nacogdoches, TX; Texas Camellia Society	November 6-7, 1987
*Pensacola, FL; University Mall; Men's Camellia Club, Inc.	November 14-15, 1987
Fort Valley, GA; ACS Headquarters at Massee Lane; Middle Georgia Camellia Society	November 14-15, 1987
Waycross, GA; Trust Company Bank; Federated Garden Clubs of Waycross	November 18-19, 1987
Valdosta, GA; Valdosta Garden Center; Valdosta Camellia Society and First State Bank & Trust Company	November 21-22, 1987
Gulfport, MS; Harrison County Courthouse; Gulfport Area Camellia Society	November 21-22, 1987
Jacksonville Beach, FL; Community Center; Island of Beaches Camellia Society	December 5-6, 1987
Tallahassee, FL; Tallahassee Mall; Men's Camellia Society of Tallahassee	December 5-6, 1987
Lafayette, LA; Natural History Museum; South Louisiana Camellia Society	December 5-6, 1987
Slidell, LA; Ozone Camellia Club	December 5-6, 1987
Houston, TX; Houston Garden Center, Houston Camellia Society	December 5-6, 1987
Brookhaven, MS; Brookhaven Camellia Society	December 12, 1987
New Orleans, LA; Ganus High School Gym; Camellia Club of New Orleans	January 9, 1988
Orlando, FL; Colonial Plaza Mall; Camellia Society of Central Florida	January 16-17, 1988
Baton Rouge, LA; Baton Rouge Camellia Society	January 16-17, 1988
Aiken, SC; Univ. of S. C. — Aiken; Aiken Camellia Club	January 16-17, 1988
*Lake Charles, LA; Southwest LA Camellia Society	January 23, 1988
Dallas, TX; Dallas Aboretum, Dallas Camellia Society	January 23, 1988

Edgewater, FL; Edgewater Community Center; Edgewater
 Camellia Society January 23-24, 1988
 * Ruston, LA; Holiday Inn; Ruston Men's Camellia Society ... January 23-24, 1988
 Tuscaloosa, AL; West Alabama Camellia Club January 30-31, 1988
 Lakeland, FL; First Federal Florida January 30-31, 1988
 Jackson, MS; Deposit Guaranty National Bank, Jackson
 Camellia Society February 6-7, 1988
 Charlotte, NC; Charlotte Camellia Society February 6-7, 1988
 Tyler, TX; First City National Bank; Tyler Camellia Club February 14, 1988
 Atlanta, GA; Atlanta Botanical Garden; North Georgia
 Camellia Society February 20-21, 1988
 Wilson, NC; Parkwood Mall February 20-21, 1988
 Fort Worth, TX; The Conservatory, Botanic Garden; Fort
 Worth Camellia Society February 21, 1988
 Santa Clara, CA; Community Recreation Center; Camellia
 Society of Santa Clara County February 27-28, 1988
 Bakersfield, CA; Cunningham Art Gallery, Camellia Society
 of Kern County March 5-6, 1988
 Fayetteville, NC; Cross Creek Mall; Fayetteville
 Camellia Club March 5-6, 1988
 Slidell, LA; Ozone Camellia Club December 3-4, 1988

* Changes since last Journal

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Yearbook Binding

Many of our ACS members wish to have their Yearbooks bound in a hard cover. Mr. Ralph Elmore has consented to bind them again for us. He does an outstanding job and the Library at Masee Lane is proud to display his work. We, at Headquarters, have heard nothing but praise from those who have used his services. The price will be \$15.00. You will need to send your Yearbook and a check in the amount of \$15.00 to him at 12 Orleans Street, Greenwood, MS 38930. He can be reached at (601) 455-2980.

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In Memoriam

Joseph Hicks Pyron

Joseph Hicks Pyron, Executive Secretary Emeritus of the American Camellia Society, died in a local hospital on May 27 at the age of 81. Joe lived in the home in which he was born in Reynolds, Georgia until November 1985. At that time he moved to The Oaks in Marshallville and was a frequent visitor to the Headquarters.

He received his B.S. and M.S. degrees in Botany from the University of Georgia. Further graduate work was done at Duke University and he taught Botany at his Alma Mater from 1929 to 1939. During World War II, Joe served with the U. S. Army in the European Theater. After the war, he served as Chief of Training, Civilian Personnel Division, Eglin Air Force Base, Florida.

In 1951, he co-authored with Roger McVaugh the "Ferns of Georgia." In researching the material for this book, he traveled more than 6000 miles within the state observing and collecting specimens. In 1959 he was appointed Executive Secretary/Editor of the American Camellia Society. In 1970 Joe was elected a Fellow in recognition of his long and outstanding service in behalf of camellia culture.

Joe was an avid camellia grower and his garden in Reynolds was filled with many fine camellia plants. He was a

charter member of the American Camellia Society and a member of many regional as well as the International Camellia Society. Prior to his accepting the position of the Executive Secretary, he had contributed many articles to the *Quarterly* and later the *Yearbook*. He served as an accredited camellia judge and was much sought after to judge shows throughout the country.

An avid traveler, Joe sought out beautiful gardens in every country he visited. Being a true horticulturist, he enjoyed many plants but the camellia remained his favorite. One of his last visits with camellia people was at the Gulf Coast Summer meeting in Mobile in 1986. Although failing in health, he enjoyed the company of his many camellia friends.

While serving as Executive Secretary the move from Tifton to Massee Lane Headquarters was accomplished. He supervised the building of the Headquarters, later the Smith Greenhouse, the Stevens-Taylor Gallery and the home for the horticulturist. His list of accomplishments will be long remembered but those many friends will cherish the memory of a truly Southern gentleman with a delightful sense of humor. Joe was buried in Reynolds in the family plot on May 29.

Tim Abendroth, their spouses and seven grandchildren were present for the dedication of the Japanese Garden in November at Massee Lane. This garden was a gift from them to honor their children and their families. It is one of the most visited areas at the Headquarters. Also in November he established the Evelyn Abendroth Award to honor his wife of many years. This award will be given for the first time at the Fall ACS meeting in Fayetteville, NC in 1987. The award is for the finest blue ribbon 'Rachel Tarpy' exhibited at the Fall Convention Camellia Show. This beautiful flower was developed by Ab and honors one of his granddaughters.

In addition to his presidency of ACS, he was at the time of his death, Chairman of the Board of Lyons Petroleum and a director of Louisiana Bank and Trust Company. He was an avid traveler and had experienced many visits to South America, Africa, Mexico, Japan, China and the state of Alaska. This very capable and busy executive always had time for his family. It wasn't a question of keeping up with the grandchildren, but whether they could keep up with him. . . . Learning to water ski with PaPa became a lesson in perseverance and success! He taught by example, sharing his love of life, his quest for the best. Those who had the privilege of knowing Ab were fortunate. He was a giant among men. Those who survive are better for having been a part of this great man's life.

ACS

ACS

Gus Farmer "Ab" Abendroth

Gus Farmer "Ab" Abendroth, President of the American Camellia Society died on March 24 in a local Shreveport Hospital after a lingering illness. He was born in Horton, Texas, 74 years ago and graduated from Louisiana State University with a degree in Petroleum Engineering. He and Evelyn were married in 1940 and for the next 12 years made their home in 13 places before coming to Shreveport in 1952.

At his funeral, the senior minister said, "Ab, more than anyone, would want this

shared experience to be one of affirmation . . . to recognize the whole of God's plan of birth, life, death, life eternal."

Ab loved science of the earth, geology, the beginning of everything. In flowers, and in particular, the Camellia, he saw the life cycle of all things, each having its role — the seed, the seedling, the plant, the bud and the bloom.

This was not casual interest. Ab took his presidency of the ACS seriously and gave his very best. He and Evelyn with their children, Marilyn Tarpy, Joe and

Texas is Number One

To Texans being Number One seems normal in many instances. There are some other state loyalists that might challenge this. There is no doubt that Texas is the first state and therefore Number One to fully subscribe its pledge for the Texas room of the Annabelle Lundy Fetterman Educational-Museum Building. This very good news was just received by telephone from Greg Davis, Houston. Congratulations to the Texas members for this achievement. Will your state be Number Two?



G. F. "Ab" Abendroth in November 1987 at the dedication of the Japanese garden at ACS Headquarters. This garden was given by Evelyn and Ab to "honor their children and their families."

A Tribute G. F. "Ab" Abendroth

LUTHER W. BAXTER JR.

G. F. "Ab" Abendroth, husband of Evelyn Abendroth, was a camellia enthusiast. For the past two years, 1985-87 until his death, he was president of the American Camellia Society. He worked diligently with American Camellia Society people to bring about more interest in camellias and a better understanding of this remarkable group of plants. Ab had a good working knowledge of camellias, as anyone who knew him can verify. He grew camellias well, he showed camellia flowers and won, time after time.

He knew that good flowers came from good plants and at camellia meetings one found Ab there listening, questioning, observing, thinking.

While the camellia flower was the ultimate objective, he was no stranger to the camellia's healthy leaves, healthy stems and healthy roots. He took the best advice for growing camellias he could get and when hard evidence was lacking, he used good judgment based on years of experience.

Ab was easy to work with. He was always enthusiastic, patient, optimistic,

and he continually gave encouragement. He was interested in anything that anyone found out about camellias. He was also willing to share anything he knew about camellias with anyone who might be interested in them.

Those who knew Ab knew that he was a kind and gentle man who loved all of God's creation and that he sought to understand as much about it as he could. He attended hundreds of camellia shows and meetings and got to know hundreds of people who also shared an interest in that special group of plants. He and Evelyn developed life-long friends with many people from many places and each meeting they attended was like a gathering of the clan. The camaraderie increased in intensity during the months and years.

I don't know how many times I saw Ab at meetings, but each time I saw him it was a pleasant experience. I always felt comfortable around him. He was always interested in that which we were learning about camellias. He realized that new ideas and concepts come slowly and, thus, he never pushed for more information than we knew.

Perhaps the years alone allow us to grow in respect for others, and also in respect for the vast storehouse of infor-

mation packed away in each tiny cell of each camellia plant. Anyway, Ab respected his peers, he respected camellias. He recognized full-well that camellias served as threads, more precious than gold, binding all of us, the camellia enthusiasts, together with bonds as strong as steel.

Ab served well; he served camellias, her enthusiasts, and, especially, the American Camellia Society. He helped to advance the cause of camellias so that we are better off than we were. He recognized, at least for a fleeting moment, the awesome beauty and power of the camellia, a sort of spiritual Camelot for him and for many of us. As the world keeps on turning let us be grateful for the life of Ab and for the beautiful family he leaves behind. We are grateful for his forward vision, for his unselfish devotion to a cause as noble as beauty itself, and for the friendship that he offered to all who could be called friend. When we see the beautiful 'Rachel Tarry' at camellia shows (a camellia named by Ab for his granddaughter), growing in our gardens or at Massee Lane, we will be reminded that Ab was here and that he served all of us well.

ACS

Additional Judges Appointed

ALABAMA

Birmingham:

Louise Poe Hairston

CALIFORNIA

Lafayette:

Gordon H. Goff (Novice)

Merced:

Donald R. Fretz

FLORIDA

Tallahassee:

Robert M. Lamison (Novice)

Lee Roy Smith (Novice)

GEORGIA

Fort Valley:

C. Warren Thompson

MARYLAND

Adelphi:

Rix D. Perkins

NORTH CAROLINA

Wilmington:

T. E. Powers (Novice)

Lou B. Powers (Novice)

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The Camellia Journal

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Show Reports

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

CALIFORNIA

BAKERSFIELD, Feb. 28-Mar. 1, 1987

Sponsor: Camellia Society of Kern County

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Large: 'Han-Ling Snow', Dr. & Mrs. Leland Chow

Runner-up: 'Mrs. D. W. Davis', Marvin Belcher

Medium: 'Iwane', Dr. & Mrs. Leland Chow

Runner-up: 'Prima Ballerina', Mr. & Mrs. Melvin Canfield

Small: 'Baby Pearl', Mr. & Mrs. Julius Christenson

Runner-up: 'Maroon and Gold', Dr. & Mrs. Leland Chow

C. reticulata:

Best Bloom: 'Harold L. Paige', Dr. & Mrs. Richard Stiern

Runner-up: 'Nuccio's Ruby Var.', Mr. & Mrs. Alfred Gamper

C. hybrid:

Best Bloom: 'Angel Wings', Peggy Kovalski

Runner-up: 'Pink Dahlia', Dr. & Mrs. Richard Stiern

C. sasanqua:

Best Bloom: 'Botan-Yuki', Ben Mackall

Best Novice Bloom: 'Dr. Tinsley', Nancy F. King

Runner-up: 'Carter's Sunburst Pink', Stacey Heisey

Number of ACS Memberships Sold: None.

FRESNO, March 7-8, 1987 (39th Annual)

Sponsor: Central California Camellia Society

Number Blooms Displayed: 2,000. Attendance: 5,000.

Most Outstanding Bloom: 'Dr. Clifford Parks Var.', Mr. & Mrs. Sergio Bracci

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Large-Very Large: 'Helen Bower', Art Gonos Family

Runner-up: 'Elegans Splendor', Art Gonos Family

Medium: 'Betty Sheffield Supreme', Mr. & Mrs. Jack Woo

Runner-up: 'Dream' (sic.), Mr. & Mrs. Don Bergamini

Small: 'Maroon and Gold', Fred Rankin

Runner-up: 'Freedom Bell', Mr. & Mrs. Dick Pozdol

Miniature: 'Spring Festival', Mr. & Mrs. Jack Woo

Runner-up: 'Bob's Tinsie', Mr. & Mrs. Don Bergamini

C. reticulata:

Best Bloom: 'Dr. Clifford Parks Var.', Mr. & Mrs. Sergio Bracci

Runner-up: 'Francie L. Var.', Mr. & Mrs. Sergio Bracci

C. hybrid:

Best Bloom: 'Waltz Time Var.', Art Gonos Family

Runner-up: 'Julie Var.', Mr. & Mrs. Don Bergamini

Best White: 'Snowman', Mr. & Mrs. Jack Woo

Best Fragrant: 'Eleanor Holtzman', Mr. & Mrs. Jake Holtzman

Best Yellow: '*C. chrysantha*', Mr. & Mrs. Sergio Bracci

Youth Division:

Best Japonica: 'Carter's Sunburst Pink', Demetri Gonos

Best Other than Japonica: 'Waltz Time Var.', Demetri Gonos

Best Miniature: 'Confetti Blush', David McClain

Number of ACS Memberships Sold: None.

MODESTO, March 14-15, 1987

Sponsor: Modesto Camellia Society

Most Outstanding Bloom: 'Julia Hamiter', Mr. & Mrs. Art Gonos

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Large-Very Large: 'Miss Charleston', Mrs. William Breuner

Runner-up: 'Grand Prix', Mrs. William Breuner

Medium: 'Sweet Dreams', Mr. & Mrs. John Balzarini

Runner-up: 'Dixie Knight Supreme', Mr. & Mrs. Art Gonos

Small: 'Little Susie', Steven Campbell

Runner-up: 'Shuchuka', Mr. & Mrs. Gary Schanz

Miniature: 'Lemon Drop', Mr. & Mrs. Anthony Pinheiro

Runner-up: 'Ellen Daniel', Mr. & Mrs. Art Gonos

C. reticulata:

Best Bloom: 'Dr. Clifford Parks', Mr. & Mrs. Art Gonos

Runner-up: 'Harold L. Paige', Mrs. Edith Mazzei

C. hybrid:

Best Bloom: 'Julia Hamiter', Mr. & Mrs. Art Gonos

Runner-up: 'Kramer's Fluted Coral', Mr. & Mrs. Art Gonos

ACS GOLD CERTIFICATE:

Robert Ehrhart

ACS SILVER CERTIFICATE:

Mr. & Mrs. Don Bergamini

Best Seedling: KS4, Jack Osegueda

Best Fragrant: 'Tonuha' (sic.), Mr. & Mrs. Ken Hallstone

Best Yellow: '*C. chrysantha*', Mr. & Mrs. Sergio Bracci

Best White: 'Swan Lake', Mr. & Mrs. E. F. Achterberg

Youth Division:

Best Japonica: 'Tomorrow Park Hill', Vanessa Yonan

Best Reticulata: 'Lasca Beauty', Jason Yonan

Best Hybrid: 'Julie', Justin Bergamini

Best Miniature: 'Ole', Jason Yonan

Number of ACS Memberships Sold: None.

SACRAMENTO, March 7-8, 1987

Sponsor: Camellia Society of Sacramento (63rd Annual)

Number Blooms Displayed: 6,011. Attendance: 10,000+

Most Outstanding Bloom: 'Mrs. D. W. Davis Descanso', Mr. & Mrs. Larry Pitts

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Very Large: 'Elegans Champagne', Mr. & Mrs. Larry Pitts

Runner-up: 'Elegans Supreme', Mr. & Mrs. Don Lesmeister

Large: 'Mrs. D. W. Davis Descanso', Mr. & Mrs. Larry Pitts

Runner-up: 'Ivory Tower', Mr. & Mrs. Larry Pitts

Medium: 'Mrs. George Bell', Mr. & Mrs. E. F. Achterberg

Runner-up: 'Nuccio's Jewel', Mr. & Mrs. Larry Pitts

Small: 'Grace Albritton', Robert E. Ehrhart

Runner-up: 'Tom Thumb', Mr. & Mrs. James Randall

Miniature: 'Tootsie', Mr. & Mrs. Don Lesmeister

Runner-up: 'Ellen Daniels', Mr. & Mrs. Anthony Pinheiro

C. japonica: (Treated)

Best Bloom: 'Carter's Sunburst Pink', Mrs. William R. Breuner

C. reticulata:

Very Large: 'Howard Asper', Mr. & Mrs. Gary Schanz

Runner-up: 'Terrell Weaver Var.', Mrs. Edith Mazzei

Medium-Large: 'Lasca Beauty', Mr. & Mrs. Ken Hallstone

Runner-up: 'Edith Mazzei', Mrs. Edith Mazzei

C. hybrid:

Best Bloom, Not Chem. Tr.: 'Julie Var.', Mr. & Mrs. Don Lesmeister

Runner-up: 'Pink Dahlia Var.', The Vervalles

Best Bloom, Chem. Tr.: 'Pharaoh Var.', Tom Lee

ACS GOLD CERTIFICATE:

Robert E. Ehrhart

ACS SILVER CERTIFICATE:

Mr. & Mrs. Don Lesmeister

Best Seedling: Reticulata Hybrid, David L. Feathers

Best Spray or Stem: 'Nuccio's Pearl', Raymond F. Hertel

Best Fragrant Bloom: *C. yunnanensis*, C. A. & L. R. Roberts

Best Yellow: 'Gwenneth Morey', Robert E. Ehrhart

Best Novice Bloom: 'Spring Sonnet', Lilly Lee

Runner-up: 'Spring Sonnet', Carolyn Ong

Best White: 'Nuccio's Gem', Mr. & Mrs. E. F. Achterberg

Youth Class:

Japonica, Over 4½": 'Elegans Champagne', Terry Schanz

Japonica, 2½-4½": 'Raspberry Ice', Jason Yonan

Best Hybrid: 'Eleanor Hagood', Scott Saunders

Best Miniature: 'Demi-Tasse', Miriam Yonan

Number of ACS Memberships Sold: None.

DISTRICT OF COLUMBIA

WASHINGTON, April 11-12, 1987 (33rd Annual)

Sponsor: Camellia Society of the Potomac Valley

Number Blooms Displayed: 564. Attendance: 4,000.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

In Open: 'Don-Mac', Mr. & Mrs. Arthur Maryott

Runner-up: 'Tricolor Red, Var', O. Preston Davis

Under Glass: 'Ville de Nantes', Mr. & Mrs. Emerson Waltz
 Runner-up: 'Eleanor Waltz', Mr. & Mrs. Emerson Waltz

C. reticulata:

Best Bloom: 'Nuccio's Ruby', Mrs. Margaret K. White

ACS PROVISIONAL COMMENDED SEEDLING CERTIFICATE:

Mr. & Mrs. Emerson Waltz, for *C. japonica* #75-250 originated by Dr. William L. Ackerman.

Number of ACS Memberships Sold: None.

FLORIDA

JACKSONVILLE, December 6-7, 1986

Sponsor: Camellia Society of North Florida

Number Blooms Displayed: 775.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In open)

Large-Very Large, Not Chem. Tr.: 'Tomorrow', Miss Bethany Murray

Small-Medium, Not Chem. Tr.: 'Alba Plena', Miss Bethany Murray

Large-Very-Large, Chem. Tr.: 'Mathotiana Supreme', Mr. & Mrs. T. W. Adams

Small-Medium, Chem. Tr.: 'Dawn's Early Light', Mr. & Mrs. W. T. Adams

C. japonica: (Under Glass)

Large-Very Large: 'Carter's Sunburst', Mr. & Mrs. E. P. Brogden

Small-Medium: 'Mrs. R. L. Wheeler', Mr. & Mrs. L. M. Fetterman

C. reticulata:

Best Bloom: 'William Sellers Var.', Mr. & Mrs. R. B. Gramling

C. hybrid:

Best Bloom: 'Anticipation', Mr. & Mrs. Marvin Jernigan

C. sasanqua:

Best Bloom: 'Sparkling Burgundy', Mr. & Mrs. T. W. Adams

ACS GOLD CERTIFICATES:

In Open: Parker E. Connor, Jr.

Under Glass: Mr. & Mrs. L. M. Fetterman

ACS SILVER CERTIFICATES:

In Open: Mr. & Mrs. R. B. Gramling

Under Glass: Mr. & Mrs. W. C. Robertson

ACS PROVISIONAL COMMENDED SEEDLING CERTIFICATE:

Mr. & Mrs. W. J. Boll for *C. japonica* #B10030
 Best Miniature: 'Little Red Ridinghood', Parker E. Connor, Jr.

Best White: 'Snowman', A. B. Merritt, Jr.

Best Novice: 'Mathotiana, Var.', Miss Christine Murray

Number of ACS Memberships Sold: None.

GEORGIA

ATLANTA, February 21-22, 1987 (41st Annual)

Sponsor: North Ga. & Atlanta Camellia Societies

Number Blooms Displayed: 1,146. Attendance: 2,000+

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Very Large: 'Carter's Sunburst Pink Var.', Louise Poe Hairston

Large: 'Swan Lake', Mr. & Mrs. Frank D. Jamison



One of several lovely tables used for the show blooms and prizes at the Camellia Society of Central Florida Show.



Attending, judging or exhibiting at the Houston Camellia show were Bill O'Rourke, S. P. McMurrey, the Dudley Boudreauxes, David Rubin and Bill Mann. Photo by Greg Davis

Medium: 'Pink Frost', Louise Poe Hairston

Small: 'Tom Thumb', John T. Newsome

Miniature: 'Fircone', John T. Newsome

C. reticulata:

Best Bloom: 'Dr. Clifford Parks', Louise Poe Hairston

Runner-up: 'Harold L. Paige', Mr. & Mrs. Frank D. Jamison

C. hybrid:

Best Bloom: 'Anticipation', John T. Newsome

Runner-up: 'Debbie', John T. Newsome

ACS GOLD CERTIFICATES:

In Open: Mr. & Mrs. John R. Comber

Under Glass: Mr. & Mrs. George Griffin

ACS SILVER CERTIFICATES:

In Open: Dr. & Mrs. Daniel E. Nathan

Under Glass: Ralph B. Davidson

Best White: 'Charlie Bettes', Mr. & Mrs. H. T. Brown

Number of ACS Memberships Sold: Six.

MARYLAND

BALTIMORE, February 28, 1987 (29th Annual)
Sponsor: Pioneer Camellia Society of Maryland, Inc.

Number Blooms Displayed: 500. Attendance: 7,000.

Most Outstanding Bloom: 'Grand Prix', Mr. & Mrs. Harry Kendig

ACS OUTSTANDING BLOOM CERTIFICATES:
C. japonica:

Best Bloom: 'Chandler Elegans Var.', Mr. & Mrs. Louis Daudt

Runner-up: 'Nuccio's Gem', Mr. & Mrs. Harry Kendig

C. reticulata:

Best Bloom: 'Valley Knudsen', Mr. & Mrs. Harry Kendig

Runner-up: 'Francie L', Mr. & Mrs. Harry Kendig

ACS GOLD CERTIFICATES:

Baltimore Area: Mr. & Mrs. Harry Kendig

General Area: Mr. & Mrs. Louis Daudt

ACS SILVER CERTIFICATES:

Baltimore Area: Charles LeBoutillier

General Area: Mr. & Mrs. Harry Kendig

ACS PROVISIONAL COMMENDED SEEDLING CERTIFICATE:

Mr. & Mrs. Harry Kendig for *C. japonica* #1114-74

Number of ACS Memberships Sold: None.

NORTH CAROLINA

FAYETTEVILLE, March 7-8, 1987

Sponsor: Fayetteville Camellia Club

Number Blooms Displayed: 1,630.

Most Outstanding Bloom: 'Flame', Mr. & Mrs. J. K. Blanchard

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Large: 'Carter's Sunburst Blush', Joe Austin

Medium: 'Pink Diddy', Mr. & Mrs. Harry Watson

Small: 'Kitty', Mr. & Mrs. Harry Watson

Miniature: 'Tammia', Mr. & Mrs. Fred Hahn

C. reticulata:

Best Bloom: 'Dick Goodson Var.', Mr. & Mrs. Robert Fowler

C. hybrid:

Best Bloom: 'Mona Jury Var.', Mrs. Ray Watson

ACS GOLD CERTIFICATE:

Parker E. Connor

ACS SILVER CERTIFICATE:

Mrs. Ray D. Watson

Number of ACS Memberships Sold: Four.

GREENSBORO, March 14-15, 1987 (29th Annual)

Sponsor: Piedmont Camellia Club

Number Blooms Displayed: 1,166.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

In Open, Over 5": 'Ville de Nantes', Mr. & Mrs. J. K. Blanchard

Runner-up: 'Donckelarii', Mr. & Mrs. J. K. Blanchard

In Open, Under 5": 'Spring Sonnet', Mr. & Mrs. J. K. Blanchard

Runner-up: "Lindsay Neill", Margaret Tucker

Under Glass, Over 5": 'Mrs. D. W. Davis Descanso', Mrs. Ray Watson



Paul Harkey and Charles Malone are set to judge at Shreveport. Photo by Davis



Bringing beautiful blooms from Jackson to Shreveport were Dorothy Copeland, Charlie and Maggy Bush. Photo by Greg Davis

Runner-up: 'Elegans Supreme', Mrs. Ray Watson

Under Glass, Under 5": 'Guest Star', Joe Austin

Runner-up: 'Cherries Jubilee', Mr. & Mrs. Robert Fowler

C. reticulata:

Best Bloom: 'Curtain Call', Mr. & Mrs. Robert Fowler

Runner-up: 'Harold L. Paige', Mr. & Mrs. Fred Hahn

C. hybrid:

Best Bloom: 'Julie Felix', Joe Austin

Runner-up: 'Mona Jury Var.', Joe Austin

ACS GOLD CERTIFICATE:

Mr. & Mrs. John Thomas

ACS SILVER CERTIFICATE:

Mr. & Mrs. Ray Watson

Number of ACS Memberships Sold: None.

WILSON, February 21-22, 1987

Number Blooms Displayed: 1,030.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Best Bloom: 'Ville de Nantes', Ed Powers

Runner-up: 'Mary Alice Cox', Parker E. Connor

C. japonica: (Under Glass)

Large: 'Moonlight Bay', Mrs. Ray Watson

Medium: 'Mariana', Mr. & Mrs. Fred Hahn

Small: 'Little Susie', Mrs. Ray Watson

Miniature: 'Man Size', Mr. & Mrs. Gary Serpas

C. reticulata:

Best Bloom: 'Lasca Beauty', Mrs. Ray Watson

C. hybrid:

Best Bloom: 'Elsie Jury Var', Mr. & Mrs. Mac
McKinnon

ACS GOLD CERTIFICATE:

Parker E. Connor

ACS SILVER CERTIFICATE:

Mrs. Ray Watson

Number of ACS Memberships Sold: None.

OREGON

PORTLAND, April 4, 1987 (87th Annual)

Sponsor: Oregon Camellia Society

Number Blooms Displayed: 1,085. Attendance:
4,000.

Most Outstanding Bloom: 'Bob Hope'

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Best Bloom: 'Bob Hope', Rudolph Schaad

Runner-up: 'Glen 40', James Moon

C. reticulata:

Best Bloom: 'Black Lace', Virginia Rankin

C. hybrid:

Best Bloom: 'Anticipation', Ken McWilliam

ACS GOLD CERTIFICATES:

In Open: James Moon

Under Glass: Larry Landauer

ACS SILVER CERTIFICATES:

In Open: Oscar Tinkle

Under Glass: Dr. C. David Scheibert

ACS OUTSTANDING ARRANGEMENT
CERTIFICATES:

Tri-Color: Margaret Breck

Creativity: Alice Peak

Number of ACS Memberships Sold: Three.

VIRGINIA

NORFOLK, March 28-29, 1987 (41st Annual)

Sponsor: Virginia Camellia Society

Number Blooms Displayed: 432. Attendance:
300+

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large: 'Tiffany', William G. Redwood

Runner-up: 'Elegans Supreme', William G.
Redwood

Medium: 'Atomic Red', Elizabeth Brown

Small: 'Kitty', Melvin Stallings

Miniature: 'Ann Clayton', Dr. J. M. Habel

C. japonica: (Under Glass)

Large: 'Miss Charleston Var.', Dr. J. M. Habel

Runner-up: 'Rosea Superba Var.', Dr. J. M.
Habel

Medium: 'Ella Ward Parsons', Dr. J. M. Habel

Small: 'Diddy Mealing', Dr. J. M. Habel

Miniature: 'Shikibu', Ira Hefner

C. reticulata:

In Open: 'Francie L', Mr. & Mrs. Carl Allen

Under Glass: 'Valentine Day', John Briggs

C. hybrid:

In Open: 'El Dorado', Melvin Stallings

Under Glass: 'Pink Dahlia', Ira Hefner

ACS PROVISIONAL COMMENDED SEED-
LING CERTIFICATES:

Dr. J. M. Habel for *C. japonica* #2A

Number of ACS Memberships Sold: None.

Book Reviews

THE LILIES OF CHINA

STEPHEN G. HAW

China is home to more lilies than any other country in the world with almost half of all lilies occurring naturally throughout the provinces and regions of this country. The richness of China's flora has long been appreciated by Westerners with an interest in plants. Camellia enthusiasts are well aware of the fact that camellia species are native to this area of the world.

All aspects of growing lilies successfully are discussed by the author. Included in this book is a description of the environment in which the plants naturally grow and its relationship to their requirements in cultivation. The history and taxonomy of lilies in China are included. A large portion of the text is a translation of the *Flora Reipublicae Popularis Sinicae* describing Chinese lily species.

The author first visited China with a botanical tour before spending two years in China as a student and teacher at the University of Shandong. He traveled widely in China to photograph and record Chinese lilies in the wild. The 152 page book includes 9 color photographs and 22 line illustrations.

Price \$29.95 + \$3.00 Shipping and Handling

THE HARKNESS SEEDLIST HANDBOOK

MABEL G. HARKNESS

The original *Seedlist Handbook*, published in 1974, grew from Bernard Harkness's interest in alpine gardening. During his 12 years as Seed Director for the American Rock Garden Society he recognized the need for a handy and compact guide to plants containing information about a plant, its place of origin, and a bibliographic reference for further investigation. This book was updated in 1986 by Mabel G. Harkness and Deborah D'Angelo.

The *Seedlist Handbook* is an easily used reference tool for obtaining the basic information needed to use seedlists

in a rewarding and intelligent way. Rock garden and alpine garden enthusiasts will find an extensive list of plants described. Camellias are briefly mentioned with only two cultivars described. As camellia cultivars are not grown from seed this exclusion is forgivable. However, it is not clearly stated in this book that camellias do NOT grow "true" from seed and I wonder if other such "errors" are present.

Price \$27.95 + \$3.00 Shipping and Handling

GARDENING AND BEYOND FLORENCE BELLIS

This author first enriched the world of gardening by developing the splendid, colorful strain of Barnhaven Primroses. The same determination which led her to "flaunt" the then known plant breeding rules in the development of these flowers is reflected in this book. Also evidenced are her reverence and awe of the world of nature. The reader will find an account of the ways in which plants work and how they interact with their environment. This book will hold special appeal for the organic gardener. Completing the book are 85 line drawings by Valerie Willson, respected illustrator and granddaughter of the author.

Price \$19.95 + \$2.50 Shipping and Handling

COLLECTING, PROCESSING, AND GERMINATING SEED OF WILDLAND PLANTS

JAMES AND CHERYL YOUNG

Many problems complicate the collection, germination, and establishment of plants grown from seeds collected in the wild. This book deals with seed collection and harvesting, seed cleaning and storage, seed stratification, germination testing, and various means of seed sowing. Both the amateur gardener and professional seedman will find this book an easily understood presentation of practical methods for growing seed of wild plants.

A second part of the book outlines specific details for tree seed and shrub seed by genus and species, and herbaceous plants and grasses by family.

Dr. Young and his wife have achieved worldwide respect among professional natural resource managers as experts with native North American seed. Dr. Young is a research scientist for the U. S. Department of Agriculture.

Price \$24.95 + \$2.50 Shipping and Handling

MANUAL OF CULTIVATED BROAD-LEAVED TREES & SHRUBS VOL. III GERD KRUSSMAN

More than 5,000 species and over 6,000 cultivars are covered in this three volume comprehensive reference manual. Included are accurate plant descriptions, details of the plant's uses, cultural requirements, and place in garden landscape. Line drawings, maps, and photographs add valuable information about plant species. References for further reading are included. This is an exceptionally thorough work sure to become a standard reference tool. Camellia growers will find their favorite plant discussed in detail in Vol. I.

Price \$65.00 + \$3.00 Shipping and Handling

All of the above books are available from Timber Press, 9999 S. W. Wilshire, Portland, Oregon 97225.

ACS

Memorial Donations

(The name in boldface type indicates the person in whose memory the donation has been made as of June 19, 1987.)

Mr. G. F. Abendroth, Shreveport, LA
(Died March 24, 1987)

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Mrs. Milton H. Brown
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SPECIAL GIFTS

(As of June 19, 1987)

Mr. Ralph Hughes: American Camellia Yearbooks.
 Mr. Kenneth C. Hallstone: Honorarium for Walnut Creek Garden Club program.
 Mr. Albert L. Luce, Jr.: American Camellia Yearbooks.
 Dr. & Mrs. Daniel E. Nathan: Contributions honoring the birthdays of Ann Brown and Wally Freshwater, wedding anniversaries of Dr. & Mrs. Habel, Jr., Mr. & Mrs. G. Stuart Watson, Mr. & Mrs. L. M. Fetterman and Mr. & Mrs. Thomas C. Evans.
 Mr. & Mrs. G. F. Abendroth: Contribution honoring the birthday of Ann Brown and the wedding anniversary of Dr. & Mrs. J. M. Habel, Jr.
 Mr. & Mrs. L. M. Fetterman: Contributions to the ACS Building Program Fund in memory of Ab Abendroth and to honor the Abendroth Family,

honorarium for Charlotte Camellia Society program.
 Mr. & Mrs. W. T. Shepherd: Paper camellias to sell for the society, contribution honoring the L. M. Fettermans.
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 Mr. S. T. Borum: Eleven 2-gal. camellia plants.
 Mr. R. B. Gramling: "American Flower Garden", 1832 edition.
 Betty Hotchkiss: Honorarium for Fort Valley Garden Club program.
 Mr. Thomas H. Perkins, III: Contribution with a "Hope you're feeling better" wish for James H. McCoy.
 Mr. James H. McCoy: American Camellia Yearbooks.
 Mrs. John W. Mettler, Jr.: "Berlèse u Gemünden Kamillien"
 Col. Albert S. Britt, Jr.: Contribution.
 Mr. & Mrs. Thomas C. Evans: Contributions honoring the birthdays of Ann Brown and Dan Nathan and in honor of the Nathans' wedding anniversary.
 Mr. & Mrs. J. A. Hansen: "Gardens of New Zealand", Barbara Matthews.

ACS

Better Control of Camellia Flower Blight Caused by *Ciborinia camelliae* Kohn

L. W. BAXTER, JR., SALLY B. SEGARS, and SUSAN G. FAGAN

Abstract: Blighted camellia flowers support sclerotial development well when they fall within growing plants, such as violets, that help to prevent their drying. Blighted camellia flowers do not support sclerotial development of *Ciborinia camelliae* as readily when they are resting on pine needles as when they are resting on bare soil either covered or not covered with pine needles. When infected camellia flowers were sprayed with the fungicide, HWG-1608, no sclerotia developed; controls, sprayed with water, supported sclerotial development.

Other fungicides, Tilt, Ronilan and Benlate, provided only fair control of sclerotial development.

Camellia flower blight is caused by the fungal plant pathogen *Ciborinia camelliae* Kohn,⁶ first described as *Sclerotinia camelliae* Hara.³ The disease was first reported on camellias in the United States by Thomas and Hansen in 1946.⁹ The life cycle of the fungus and the symptoms on camellias are described by Raabe, Plakidas and Baxter.⁸

Several investigators^{1, 2, 4, 5, 7} have attempted to develop means of controlling camellia flower blight, and although each method is partially effective, flower blight is still the number one disease problem of camellias in most areas. This work was done to develop procedures for

Technical Contribution No. 2726 of the South Carolina Agricultural Experiment Station, Clemson University.

more effective control of flower blight by providing conditions unfavorable for sclerotial development by the pathogen, such as 1) altering the physical environment where blighted flowers fall, and 2) applying systemic, eradivative-type fungicides to fallen, blighted camellia flowers.

MATERIALS AND METHODS

Blighted flowers of *Camellia japonica* were placed 1) among violets (*Viola papilionacea*) growing under camellia plants, 2) on pine needles in a pine canopy shade, 3) on bare soil under pines, and 4) on bare soil and then covered with pine needles. In the latter case, infected flowers were placed under pine needles on bare soil in early-, mid-, and late April. Thirty to sixty days later, flowers were examined for sclerotial development.

C. camelliae-infected flowers were either sprayed with or soaked for 30 minutes in one of four fungicidal suspensions. Control flowers were either sprayed with water or soaked for 30 minutes in water. The four fungicides and the rates used were benomyl (Benlate), 2.27 g/gal; vinclozolin (Ronilan), 9.08 g/gal; triadimenol (HWG-1608), 2 g/gal; and propiconazole (Tilt), 3.785 g/gal. The fungicides were applied with a 3-gallon, hand-operated sprayer. After flowers were sprayed they were air dried until all surface water evaporated, wrapped in paper towels, sealed in 1-quart plastic bags, incubated 4 wk at 20 C (68 F) and then examined for sclerotia. Twenty flowers of *C. japonica* 'Blood of China', a late-

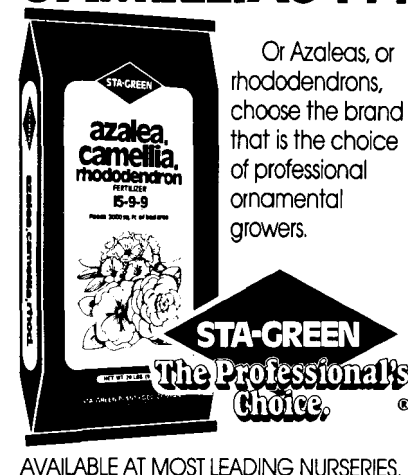
flowering cultivar, were placed on soil in 10-inch pots (5 per pot) on 25 April and were covered with pine needles. The pots were placed on the soil surface under pine shade.

RESULTS

Eighty-five percent (100 of 117) of blight-infected camellia flowers, representing several cultivars, that were allowed to fall or were placed in a ground cover of violets developed typical sclerotia within a month. When blight-infected camellia flowers of several cultivars were placed on bare soil and covered with pine needles, 96% (192 of 200 flowers) developed large, typical sclerotia within 30 days. When 200 blight-infected camellia flowers of several cultivars were placed nearby on small mounds of pine needles (3 to 4 inches deep) in early April, less than 15% of them formed sclerotia and the sclerotia which formed were small. All non-covered, blight-infected camellia flowers placed on bare soil in partial shade of pine trees in late April formed sclerotia (46 of 46). Nearby (within 10 ft) only 16 of 100 blight-infected camellia flowers formed sclerotia when they were placed uncovered in late April on a small mound of pine needles (3 to 4 inches deep).

Blighted camellia flowers sprayed with fungicides showed different reactions. None of 12 blighted flowers sprayed with HWG-1608 formed sclerotia while all 12 blighted flowers sprayed with water formed large sclerotia. About half of the blighted flowers that were sprayed with Benlate, Tilt or

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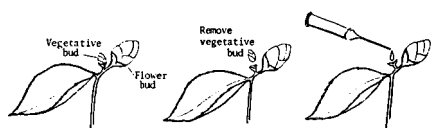


Ronilan formed sclerotia. Some flowers from each of these three treatments supported sclerotial formation.

Twenty late-flowering, blight-infected camellia flowers (cultivar 'Blood of China') formed sclerotia when placed on soil 25 April in pots and covered with pine needles and kept watered.

DISCUSSION

All apparently infected formed sclerotia when placed attached-side down on bare soil and most (about 96%) apparently infected flowers formed sclerotia when placed attached-side down on bare soil and covered with pine needles. The infected flowers that were placed on bare soil and then covered with pine needles



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at three different times — early April, mid-April, and late April, formed sclerotia equally well.

Whether or not sclerotia form in infected camellia flowers when they are placed on mounds of pine needles may be dependent on various factors, such as the amount of shade, the frequency and amount of rain, the temperature during development of sclerotia, and the presence or absence of the flower calyx. Since 96% of the infected flowers that were placed on bare soil and then covered with pine needles supported sclerotia, it is unlikely that non-infected flowers were a factor in those studies in which infected flowers were placed on pine needle mounds. Excessive shade probably prevents quick drying of infected flowers and thus encourages sclerotial development. Frequent rains or continuous cool weather could probably do the same thing. The presence of attached calyxes could aid moisture retention around the basal flower areas where sclerotia normally develop.

Blighted flowers on bare soil either under a cover of pine needles or on bare soil without pine needles are in a continuously cool and moist, but not wet, environment which encourages sclerotial development. In the laboratory continuously excessive moisture on infected camellia flowers, such as in closed plastic bags, either encouraged rotting and disintegration of sclerotia or prevented their formation. In the laboratory, to encourage sclerotial formation, a single, diseased camellia flower, free of external moisture, is placed in a sealed, one-quart plastic bag and maintained at approximately 68°F (20°C) for one month. By that time and under those conditions, if the diseased camellia flower was infected by *Ciborinia camelliae*, a sclerotium formed, confirming the diagnosis of camellia flower blight.

To encourage sclerotial formation outside the laboratory, all debris was removed from the base of a camellia cultivar exposing bare soil onto which infected flowers of that cultivar were placed, attachment-side down, and then covered with pine needles. Thirty to forty-five days later the covered, infected flowers were examined. If sclerotia were present in the flowers this confirmed that the cultivar not only is

susceptible to flower blight but that the fungus can survive on this cultivar.

Sclerotia formed on diseased flowers of the very late flowering *C. japonica* cultivar, 'Blood of China'. This indicates that temperatures of late April in 1987 were not sufficiently high to prevent sclerotial development. In the laboratory a constant temperature of 22°C thwarted sclerotial development of the fungus in culture. Various native herbaceous plants, such as violets, grow vigorously during late March and April in the South and provide a canopy where infected flowers may fall and the fungus can develop sclerotia. In the laboratory infected single petals formed sclerotia, although they were very small. Mowing vegetation under camellias during the flower-blight season might be a bad practice since diseased flower parts as large as single petals could fall within the mowed areas and form sclerotia. These sclerotia could serve as sources of flower infection in following years.

Based on these preliminary investigations we suggest that the following procedures may be useful for controlling camellia flower blight: 1) remove camellia branches 18 to 24 inches from the bottom so that air and light can promote rapid drying of fallen infected flowers; 2) remove all vegetation under camellia plants and add pine needles so that blight-infected flowers do not fall onto bare soil or within plant growth, both of which help to keep infected flowers in a moist environment which encourages sclerotial development; 3) spray fallen flowers (on pine needles) weekly during the flowering season with approved fungicides, according to directions, to prevent sclerotial development; and 4) encourage neighbors who have camellias to follow these procedures. Camellia flower-blight control is a community problem.

NOTE: HWG-1608 is a chemical released by Bayer AG of Germany. It is being developed in the United States by Mobay Chemical Corporation. It is known as triadimenol. Baytan is a proprietary name of the same material that is already being used for seed treatments.

The active ingredient in Baytan and HWG-1608 is a compound that is used for systemic seed-treatment and as a systemic foliar fungicide. It is beta-(4-Chlo-

rophenoxy)-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol. HWG-1608 is not yet cleared for use on ornamental plants in the United States.

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ACS

Fayetteville Club 100% ACS Members

The Fayetteville Camellia Club is the first camellia club on the East Coast to have all of its local members ACS members as well. The Lynchburg, Virginia Men's Camellia Society is actually the Lynchburg Chapter of the American Camellia Society so all members are local and ACS. Under the capable direction of Martha Duell, Fall Convention Chairman, the seven local members that were not affiliated with ACS joined. We congratulate Martha and the members of Fayetteville for this achievement. The Editor would like to congratulate your club in the November issue. Now is the time to work on having your club 100% ACS.

Programs And Projects Are Necessary For A Club's Growth

A. HOYTTE RIGBY

The objectives of a camellia and garden club should be to encourage the growing of camellias and other plants of a horticultural interest, to disseminate information on the culture of camellias, and to conduct an annual camellia show or shows. Having an annual camellia show is not enough to stimulate interests for a club's growth.

To grow, a club should develop projects and have programs that will be of interest to the club's membership and to the entire community.

Other suggestions for increasing a club's membership are:

1. Give women full membership privileges. Women have an active and important role, and should have full membership privileges.
2. Before the beginning of the year establish dates, times, and places, for the regular membership meetings and special events. The meeting places should be adequate, attractive, and cheerful.
3. Before the first meeting of the new year prepare a newsletter which includes the topic of the program for each meeting, the name of the speaker, places and times of the meetings or special events, and any other pertinent information. In addition to sending the newsletter to the membership and other interested persons, distribute the newsletter to other garden clubs, nurseries, news media, and at the Camellia Show.
4. Invite out-of-town speakers. This helps to develop a closer relation with other clubs and will help stimulate new interests. All speakers should have a good knowledge of the topic.
5. Have monthly dinner meetings. This gives the members a chance to get acquainted and to socialize before the business meeting begins. Be sure the meetings begin on time, are well organized, have an interesting program, and are reasonable in length. Before each dinner meeting send an

announcement of the meeting with a request for a confirmation for attendance. If no response, follow-up with a telephone call.

6. Announce the club's activities in all of the local news media: television, newspapers, and local magazines that list the area's activities.
7. Have an active membership committee. Encourage each member to invite guests who are interested in the purposes of the club.
8. Let the community know that everyone is invited to attend the meetings. Follow up on guests attending by a telephone or letter.
9. At camellia shows make observations for persons showing an interest in camellias. Introduce yourself, explain the activities of your club, and invite them to the next club's meeting. Be specific in the date of the meeting, and make a follow-up by a telephone call.
10. At the camellia shows talk with other out-of-town club members about their activities. This will help in giving you new ideas for your club.
11. Encourage membership for all ages. Don't be satisfied with just retirees. There are activities and needs for everyone.
12. Ongoing projects are necessary. Get other garden clubs interested and involved in your projects. The more community projects you have, the more people will be interested in joining your club.
13. List your club with your local Chamber of Commerce. New residents often contact the Chamber of Commerce for information about local clubs.

Mr. A. Hoytte Rigby is the President of the Camellia and Garden Club of Tallahassee, FL. This club has had a large increase in membership. At the request of the Executive Director Mr. Rigby submitted this article.



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She also enjoys arranging flowers and has participated in Artistic Arrangements at many flower shows. She won the Creativity Award in the 1985 Ozone Camellia Show in Slidell, Louisiana.

Nicholas Kooney is an engineer at Michaud for Martin-Marietta as staff assistant to the Director of Engineering. He is currently working on safety of the large booster tanks for NASA's next manned shuttle flight.

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Callus From *Camellia Sinensis* and *C. Japonica* Stem Tissue

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In the past 20 years plant tissue culture has developed rapidly. *In vitro* (outside the body and in an artificial environment) culture of woody species developed slowly compared to that of herbaceous plants. Application of such technology to tea, *Camellia sinensis*, has been minimal compared to that of some economic woody plants such as citrus and coffee. Systemic infection of woody tissue by some species of bacteria, fungi, and viruses can interfere with tissue culture of woody plants. For example, contamination by microorganism combined with slow callus growth have caused problems for people doing *in vitro* tissue culture of tea.^{3, 4}

Callus development from *Camellia sinensis* was studied. Cross sections and divots (slices of stem tissue taken from internodal stem regions) of green-wood internodes of stems were made. Callus tissue was grown on a modified Murashige and Skoog (MS) medium and other studies were made using Gamborg's B-5 base medium.³ The divot technique was used to reduce contamination. The same tissue culture procedures were applied to *C. japonica*. The purpose of this work was to compare the development of tissue culture in *C. japonica* and *C. sinensis*.

Disinfestation was accomplished by subjecting *C. japonica* tissue to a series of baths including 7.5% Clorox and 7.5% CaCl_2 . Cross sections and divots from green stems (Fig. 1) were made by shallow cuts into the stem tissue excluding xylem and these were cultured on appropriate media after sterilization. Explants (any part of a plant from which a culture is started) were cultured on MS and Gamborg's B-5 media which were supplemented with the plant growth hormones kinetin and 2,4-D at concentrations of 10^{-5} M and 10^{-6} M, respectively. Cultures were maintained on these media in the dark, transferred to fresh media on the

5th week and final observations were made on the 10th week.

Contamination rates of tissue cultures of *C. japonica* and *C. sinensis*, between 30 and 70%, were observed. Explants of *C. japonica* and *C. sinensis* collected in the spring developed and grew callus faster than explants collected in the fall. Creze² also reported seasonal effects in culturing camellia shoot tips.

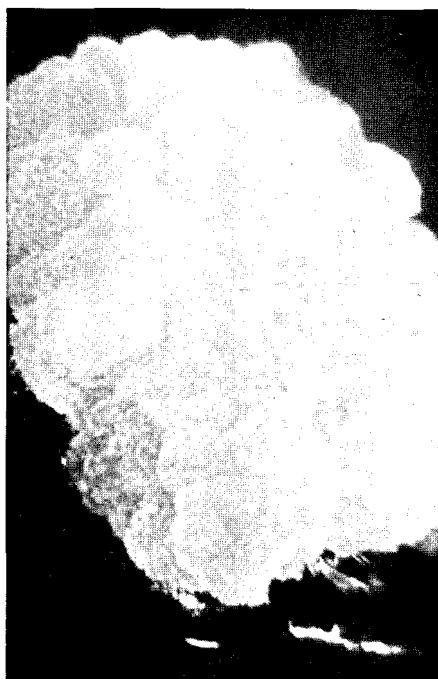


FIG. 1. Divot from stem of *Camellia japonica* placed on either MS or Gamborg's media. Note that callus grows out from cambium, phloem and cortex tissues.

There were no visible differences between callus tissue grown from *C. japonica* or *C. sinensis* when it was cultured on either modified MS or B-5 media. Callus of *C. sinensis*, produced on either medium, was hard and non-friable. On both media, *C. japonica* produced much more callus tissue than *C. sinensis* produced. Bennett¹ reported that callus from cotyledons of *C. japonica* proliferated by approximately 50-fold each 6-week interval when grown on a dilute

MS/MO (MS with minimal organics) medium. A significant increase in stem callus from *C. japonica* was noted when it was grown on either modified MS or B-5 media compared to stem callus from *C. sinensis*. Callus growth from stem tissue did not approach a 50 fold increase as observed from cotyledon callus.

Callus grown after the 10th week did better when grown alternately on the two



FIG. 2 Callus originating from cross-section of stem of *Camellia japonica*; note that callus developed from outer edges but not from center (xylem tissue).

media (MS-B5-MS-B5) than when it was grown continuously on a single medium (MS-MS-MS or B5-B5-B5). After each transfer of callus to the alternate medium growth was more vigorous.

Callus developed from the outer edges of the cross section of *C. japonica* stem (Fig. 2), but not from the center of the cross section (xylem tissue). Callus is derived mainly from cambium, phloem, and cortex of cross sections of tea stems.⁴

C. japonica produces more stem callus than does *C. sinensis* on modified MS and B-5 media. Callus from both camellia species did better when it was grown alternately on the two media. Stem tissue callus developed from cambium, phloem and cortex.

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ACS

THE C. RETICULATA HYBRID PROBLEM

BILL DONNAN

This is the third article in the last five years, with about the same title, and calling attention to the proliferation of the *C. reticulata* hybrid camellias. The first article, "THE RETICULATA HYBRID REVOLUTION" by Bill Woodroof appeared in the *CAMELLIA REVIEW*, Vol. 43, No. 2, Nov.-Dec. 1981. The second article entitled "THE RETICULATA HYBRID PROBLEM" by Bill Donnan and Bill Woodroof appeared in the *CAMELLIA REVIEW* Vol. 46 No. 2 Nov.-Dec. 1984. This third article expands on the problem and suggests some thoughts on how to deal with it.

When the 1951 — Third Revised Edition of *CAMELLIA NOMENCLATURE* was published it listed 26 *C. reticulata* cultivars. The reason for this number of the species was because Mr. Ralph Peer of Hollywood, California, and the Descanso Gardens in La Canada had been successful, in 1948 and 1949, in importing 21 new specimens of *C. reticulata* from the Yunnan Botanical Gardens in China. As soon as these new

camellia species became available to hobbyists and plant breeders there was a mad scramble to be the first to successfully cross them with other camellia species. *C. reticulata* had had a reputation of being very difficult to hybridize primarily because 'Captain Rawes', the first cultivar of this species to arrive in the Western World, had been a very reluctant hybrid parent. 'Captain Rawes' arrived in England in 1820 but it was not until 1936, one hundred and sixteen years later, that the first successful cross was made to produce 'Salutation'. With the advent of the 21 new Yunnan *reticulatas* the hybridizing problem using *C. reticulata* was minimized.

Successful *C. reticulata* x *C. japonica* crosses in the 1950's produced 'Fairy Wings', 'Valley Knudsen', 'Felice Harris', and 'Howard Asper'. Then in 1965 came the retic x *sasanqua* crosses which produced 'Flower Girl', 'Dream Girl', and 'Show Girl'. With that the flood gates opened and for the next 15 years some 20 to 30 new *C. reticulata* hybrids were

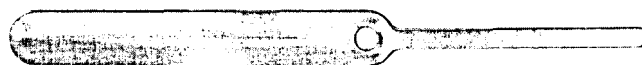
registered each year and were, subsequently, listed in revised issues of *CAMELLIA NOMENCLATURE*. In fact, in the last three years, from 1984 to 1987, an average of 40 new cultivars per year have been registered and listed in the new *CAMELLIA NOMENCLATURE*.

As soon as new hybrid cultivars with *C. reticulata* parentage were registered there was a dilemma concerning where to list them in the next issue of *CAMELLIA NOMENCLATURE*. At first they were listed under the heading *HYBRIDS*. However several seedlings of the 'Wild Form' *C. reticulata*, namely 'Elizabeth Johnstone', 'Mary Williams', 'Superba', and 'Trewithen Pink' were included in the *RETICULATA* listing. By the time that the 1970 Revised Edition came out there were 53 cultivars and seedlings of cultivars in the *RETICULATA* listing and some 40 *C. reticulata* hybrids included in the *HYBRID* listing. Something had to be done about this confusion. Thus in 1972 the Nomenclature Research Committee decided to eliminate these old listings and create two new, more definitive listings. One list would include "SPECIES *RETICULATA* AND *HYBRIDS* WITH *RETICULATA* PARENTAGE." The other list would include "HYBRIDS WITH OTHER THAN *RETICULATA* PARENTAGE." This is the way that they have been listed in all subsequent issues of *CAMELLIA NOMENCLATURE*.

Early on, and up until the advent of *C. chrysantha* and other camellia species, the consummate aim of every hybridizer



Convention Chairmen, Vera and Al Parker at the camellia show sponsored by the Oregon Camellia Society at the annual ACS meeting in Portland. Photo by Greg Davis



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was to create larger, more "rabbit eared" and more nearly "cabbage headed" cultivar blooms. The "buz word" for any new worthwhile retic hybrid was EXTRA LARGE! Now, within the last few years, the hybridizers have begun to shun the mediocrity of endless, look alike, "cabbage heads" and are striving for miniatures, smalls, mediums, fragrance, and color breaks. Instead of doping up a "mother" *C. reticulata* bloom with *C. japonica* or *C. sasanqua* pollen, the plant breeders are using pollen from *C. chrysantha*; *C. pitardii*, *C. fraterna*, *C. Lutchuensis* and other odd species.

Why was it that we all thought that the only good *C. retic* hybrid was one which produced a 6 to 7 inch bloom? I think that it stems from the fact that the first *reticulata* cultivars which were imported in 1948 and 1949 were on the large size. However, many of the newer Yunnan *reticulatas* which were imported to California in 1980 have been classed as medium and two of them, 'Empty Mouth' and 'Magnolia Camellia' are classed as small! Furthermore, several of the early camellia hybrids which were registered in the 1950's were classed as medium in size. Dave Feathers gave us 'Fairy Wings' and 'Hy Ball' as early as 1955 but nobody wanted to look at them because of the size factor. Dr. Clifford Parks registered two small size retic hybrids in 1977, namely 'Ann McCulloch Hill' and 'Dot Spengler' but I have never seen either one benched in any camellia show here in Southern California and I don't know of anyone who has either of these cultivars in his collection. Let's face it. Unless a new retic hybrid seedling bloomed large or very large it was cut off and used for understock.

Such is not the case "down under" in Australia and New Zealand. These hobbyists have long ago seen the beauty and merits of miniature and small cultivar blooms. They not only have come forth with many new and interesting non-retic hybrids but they have also been in the hunt for small *reticulata* hybrids. One of the first, which came out in 1981 was Camellia Lodge Nursery's 'La Petite'. To get a feel of what they are doing in Australia you should read Ray Garnett's article "CREATING NEW CAMELLIAS" in the March 1987 issue of the Australian Camellia Research Society's

CAMELLIA NEWS. Garnett has made 7,000 pollinations and grown 1,540 seedlings, most of which have been *C. reticulata* crosses with other species. Garnett tells me in a recent letter that the admiration for medium and small *C. reticulata* hybrids is great in their Victoria Branch. In fact, they have been obliged to segregate their Retic Hybrid Division into a 4½ inch and smaller and a 4½ inch and larger section at their camellia shows.

We may have to do the same thing here in our California camellia shows in the future. Up to now, we have asked our show judges to choose between all of those extra large "cabbage headed" blooms and some excellent medium sized blooms such as 'Fire Chief', 'Friendly Skies', 'Fluted Orchid', and 'Canadian Capers' to name a few. The extra large blooms usually get the nod because of the "bigger is better" syndrome. We have recently seen the registration of several nice new small to miniature retic hybrids. 'Tiny Girl' developed by E. P. Akin of Shreveport La. and 'Jo Jo' developed by John Movich of LaVerne, California and there will be many more coming. What is going to happen as our plant breeders dab all of that *C. chry-*

santha pollen onto the retic hybrid "mother" plants? We are going to see smaller retic hybrid seedlings. The same goes for the use of *C. lutchuensis* pollen to obtain fragrance. Ditto for *C. oleifera* and *C. pitardii*. So, step back and take another look, camellia show chairmen. You are going to witness a revolution in the *C. retic* hybrid family of cultivars and our camellia shows are going to have to accomodate these new smaller retic hybrid blooms.

So much for the camellia shows. Now what about the future issues of the revised editions of CAMELLIA NOMENCLATURE? Hybridizers are crossing and re-crossing retic and non-retic hybrids. Some of the latest seedlings resulting from these crosses are only 25 percent *C. reticulata*. What is going to happen when a new cultivar has only 10 percent or 5 percent *C. reticulata* species in their make-up? Well, I would guess that for the foreseeable future, as long as a new seedling has any portion of *C. reticulata* "blood" in it's make-up, it will be listed under the SPECIES RETICULATA AND HYBRIDS WITH RETICULATA PARENTAGE listing in the CAMELLIA NOMENCLATURE.

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CONSIDER THE CAMELLIA IN YOUR LANDSCAPE

BETTY HOTCHKISS

The camellia can play an important role when planning a landscape in areas which offer a mild climate. Too often, camellia fanciers look only to the flower and fail to consider the camellia as a beautiful plant which offers year-round attraction. The camellia is a versatile plant in its many forms and offers a wide variety of uses for the landscape which will be discussed in this article.

First, when landscaping with camellias, it is of utmost importance to know and satisfy the cultural requirements of the plants. An unhealthy plant will never provide a pleasing appearance in a landscape. To understand the cultural re-

quirements of camellias it is helpful to be familiar with their native habitat. Camellias, which are native to the Orient, grow naturally on hillsides in semi-tropical forests containing lush, open vegetation. Camellias are long-lived plants which grow into small trees making up the understory of the forest. Under the camellias, the ground is covered with a thick carpet of decaying leaves and twigs. The soil remains slightly moist, but loose and crumbly. Frequent showers help to maintain soil moisture and keep humidity high. The requirements of camellias in the home landscape can be adapted from those in their natural set-

ting. First, a light shade is beneficial for camellias although some camellias will do quite well in the sun. A soil high in organic matter and kept moist, but not wet, is ideal. Often a mulch of pine straw, decayed leaves, or pine bark is used to help retain moisture and to protect the roots from the extremes of temperature. (It will also help keep weeds away.) The camellia is generally a shallow rooted plant (although it will form a tap root when grown from seed) and should not be planted too close to shallow rooted trees where it must compete for water and nutrients. Avoid planting camellias where drying winds will cause much injury, especially in the winter. Most important, care should be given not to plant camellias too deeply. Plant only as deep as the container and cover roots with mulch, not soil. Generally speaking, however, once a camellia is planted properly in a good location it will provide many years of enjoyment to the owner, asking little but water and nutrients.

The question of how to use camellias in the landscape now arises. Camellias have many characteristics which make them good landscape plants. These include slow growth habit, long-lived, distinct shape, excellent evergreen foliage, long season of bloom, and reasonably easy culture. The key to successful use of camellias in the landscape is to evaluate all of the many possibilities and situations and to know the characteristics of the variety of camellia selected.

1) FOUNDATION PLANTING — Camellias may be used as foundation plants around buildings to provide interest throughout the year; however, a small house can easily be overpowered by a large planting of camellias. Keep in mind that a mature camellia may grow to be a 15 foot tall tree and will have to be pruned regularly to maintain as a smaller bush. Camellia varieties with a low spreading type of growth may be used beneath a window, while tall columnar shaped varieties can beautifully accent entrances.

2) HEDGES — A camellia hedge provides beautiful foliage year-round and is truly spectacular when in bloom. To make a hedge you must begin with small plants planted approximately 2½ feet apart. For best appearance you should

select plants of the same variety. Camellias with a compact growth habit are especially good for this usage. They must be clipped regularly to maintain a uniform appearance. Camellia hedges are best kept informally pruned rather than tightly sculptured. *Camellia sasanqua*, *Camellia vernalis*, *Camellia hiemalis*, *Camellia saluenensis*, and some *Camellia japonica* varieties make a good hedge.

3) ESPALIER — An especially beautiful use of camellias is espaliered against a wall or fence. With their pliable branches, many camellia varieties lend themselves to this habit. It is good to plant varieties with more width than height. Training must begin when young and continue regularly as needed. *C. sasanqua*, *C. saluenensis* hybrids, and some *C. japonica* varieties with a willowy growth can be used.

4) ARCHWAYS — This is simply a specialized form of espalier. Archways require the use of at least two plants of the same variety. Some houses may lend themselves to this effect over the front door.

5) GROUND COVERS — This usage of camellias is not often seen but is appropriate in shaded areas which may be flat or sloping. *C. sasanqua* or varieties of *C. japonica* with a droopy growth habit are recommended. Some training may be necessary.

6) STANDARDS — Camellias of many varieties may be trained as standards. It is helpful to choose a slow growing variety. Pruning is essential. Camellias make better standards than roses because they maintain their leaves all year.

7) CONTAINERS — Camellias adapt very well to container culture. The greatest advantage to container growing is the mobility of the plant. The type of container used is limited only by size and the imagination. Window boxes and hanging baskets are unique forms of container-grown camellias. Select small leaved species with willowy growth for this type of container. Camellias in containers require more attention as all of their food and water must be supplied by the grower.

8) BONSAI — This is a specialized form of container growing originating from the Orient. Because camellias are

native to the Orient they may be adapted to bonsai. Small leaved and flowered varieties are best. Bonsai requires both skill and knowledge for good results.

9) BORDERS AND BEDS — Camellias are good additions to borders and beds if shade is provided. For island beds pile the soil higher in the center; for borders pile higher in back for best drainage and effectiveness.

10) MISCELLANEOUS — Camellias are a natural for winter color in a woodland planting. They also add beauty to an Oriental landscape. Here, they are usually kept artistically pruned.

For a camellia garden to have year-round beauty it is essential to incorporate camellias with other plantings. Large trees are needed for both shade and protection. Flowering trees may be added for interest and color. Smaller shrubs may be planted as a facing in front of or around a bed of camellias. Fragrance can add another dimension to a camellia garden. Winter daphne, Korean spicebush, and tea olive can serve this purpose. Ground covers planted around camellias may be attractive as well as practical. They will help to restrain weeds and regulate soil temperature and moisture. Care must be taken to select plants which prosper in the same cultural conditions as camellias.

To achieve a professional appearance in your landscape, three ideas should be considered. First, a well defined plan or design. Second, knowledge about the cultural requirement of the plants you are growing. Third, proper maintenance and upkeep. The chief shortcoming of many camellia growers is the lack of a well-defined plan. Most avid camellia growers care for their plants meticulously, but often become so enthusiastic that their yard has no design and instead becomes a crowded planting of camellias. Often camellias are planted where there is not enough space for anticipated normal growth. Much the same as any other garden, collections can have design and focal points. In summary, the camellia is a most useful plant in the landscape. It will lend itself to either a formal style or woodland planting. It may be used anywhere that a large, evergreen plant which requires little care and is likely to

be undisturbed for years is needed. The flowers are the added bonus.

TALL, NARROW FORM — 'Ester Moad' (japonica), 'Flamingo' (japonica), 'Kumasaka' (japonica), 'Lady Mary Cromartie' (japonica), 'Hiryu' (vernalis), 'Katherine Nuccio' (japonica).

GROUND COVERS — 'Showa-no-Sakae' (hiemalis), 'Mine-no-Yuki' (sasanqua), 'Sandan Kiro' (sasanqua), 'Showa Supreme' (hiemalis).

LARGE LEAFED VARIETIES — 'Masterpiece' (japonica), 'Coronation' (japonica), *Camellia taliensis* (species), 'Coral Pink Lotus' (japonica), 'Florence Stratton' (japonica).

VINE OR TRELLIS — 'Yae-Arare' (sasanqua), 'Hana Daijin' (sasanqua), 'Betty McCaskill' (maliflora), 'Imperator' (japonica), 'Guilio Nuccio' (japonica), 'J. C. Williams' (hybrid).

LOW, PENDULOUS FORM — 'Lady Clare' (japonica), 'Frizzle White' (japonica), 'Virgin's Blush' (japonica), 'Ville de Nantes' (japonica), 'Daikagura' (japonica), 'High Hat' (japonica).

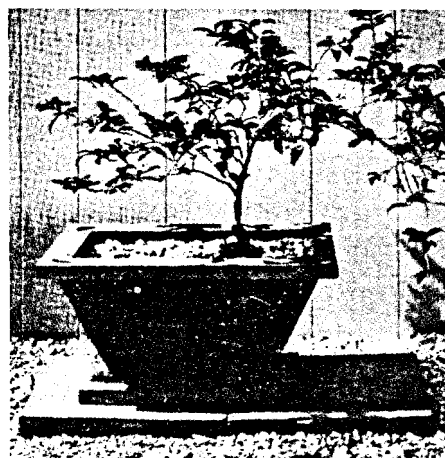
HEDGES — 'Shishi-Gashira' (hiemalis), 'Tanya' (sasanqua), 'Dawn' (vernalis), 'Modesto' (japonica), 'Covina' (japonica), 'Mrs. Tingley' (japonica).

SMALL-LEAFED VARIETIES — 'Tanya' (sasanqua), 'Mrs. Tingley' (japonica),

Camellia fraterna (species), *Camellia cuspidata* (species).

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Deep pink sasanqua 'Tanya' makes an attractive subject in small container. Note the arching branches and foliage in flat planes typical of many of the sasanquas.

included. Previously, in limited studies, scions with one leaf were found to graft successfully.⁷ It also was noted that occasionally scions having one leaf with either a mature or an immature bud grafted successfully (Baxter, unpublished information). Earlier studies^{3, 4, 6} revealed that lateral scions and terminal scions grafted equally well, and that virus-infected scions grafted as well as virus-free scions. Many camellia growers insist on terminal scions with two or more leaves, each with two or more mature buds (eyes), for grafting. The purpose of this study was to determine whether or not multiple leaves and mature buds are necessary for successful grafting, or whether single-leaf scions with immature buds are satisfactory.

MATERIALS AND METHODS

Three-year-old, greenhouse-grown seedlings of *Camellia sasanqua* grown in one-gallon containers were used as stock. Scions were selected from field-grown *C. japonica* cultivars 'Debutante' and 'Marie Bracey'. Fifty one-leaf, virus-free scions of each cultivar were cleft grafted, one-half with mature vegetative buds (Fig. 1) and one-half with immature vegetative buds (Fig. 2). Current-season growth was used which had not set flower buds and which usually possessed 3-4 mature vegetative buds and several immature vegetative buds. Scions were soaked 30 minutes in a benomyl-captan suspension ($\frac{1}{2}$ tablespoonful and 2 table-spoonsful per gallon, respectively) at

STUDIES ON GRAFTING CAMELLIAS; THE USE OF ONE-LEAF, ONE-BUD SCIONS

LUTHER W. BAXTER, JR., SUSAN G. FAGAN, and SALLY B. SEGARS

Abstract: One-leaf, one-vegetative bud, *Camellia japonica* scions from field-grown plants grafted well on *C. sasanqua* stock in a greenhouse maintained at a minimum temperature of

21°C (70°F). Scions with immature buds grafted as well as scions with mature buds.

During the past four camellia grafting seasons (December-February) approximately 1,900 grafts were made in a greenhouse. Stocks used were mostly *Camellia sasanqua*, although about 300 *C. oleifera* and 150 *C. japonica* stocks were

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time of grafting since this practice increased the percentage of successful camellia grafts.^{2, 5} The 100 grafts were made 8 December 1986 in a greenhouse maintained at a minimum temperature of 21°C (70°F). Sand (one-inch thickness) was added to pots so good seals could be made to maintain high humidity during healing of scion and stock. All grafts were covered with #337 (24-ounce) Dixie cups. Rubber grafting bands were used to hold scion and stock in place.

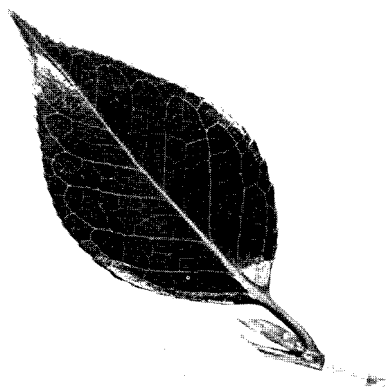


FIGURE 1. One-leaf scion of *Camellia japonica* with mature vegetative bud.



FIGURE 2. One-leaf scion of *Camellia japonica* with immature vegetative bud.

RESULTS AND DISCUSSION

Grafts had taken and most buds had begun growth by 10 March 1987 (Fig. 3),



FIGURE 3. Growth of current-season shoot from a one-leaf with immature bud.

approximately 90 days after grafting. Only five buds died (all mature), four of 'Marie Bracey' and one of 'Debutante'. In each case in which the bud had died, the scion healed and the leaf was alive.

Scions with either mature or immature vegetative buds healed and grew out equally well (Table 1). 'Debutante' scions grew out slightly better than 'Marie Bracey' scions. However, there were as many dormant mature buds as dormant immature buds when scions of 'Marie Bracey' were grafted. Eighty-two percent of scions had put out new growth at data harvest time, but past experience suggests that dormant buds eventually put out new growth. Thus, in all probability, about 95 percent of the single-bud (single-leaf) scions will grow into plants.

Previous studies¹ revealed that a low percentage of *C. japonica* buds are affected by *Glomerella cingulata*, the fungus responsible for camellia dieback, canker and graft failure. It is possible that the dead buds in this study (five) were

killed by *G. cingulata* when scions were kept in humid conditions at a warm (70°F) temperature.

It was concluded from these tests that one-leaf scions with immature buds grafted equally as well onto *C. sasanqua* as one-leaf scions with mature buds, and that successful grafts can be obtained with one-leaf scions containing only one immature bud.

ACKNOWLEDGMENT

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TABLE 1. Response of one-leaf *Camellia japonica* scions, with either a mature or an immature vegetative bud, grafted onto *C. sasanqua* stock. Scions presoaked 30 minutes in a benomyl-captan suspension before grafting 8 December 1986; results evaluated 10 March 1987.

<i>C. japonica</i> cultivar	Number buds			Total
	Growing	Dormant	Dead	
'Marie Bracey' (mature bud)	16	6	3	25
'Marie Bracey' (immature bud)	19	5	1	25
'Debutante' (mature bud)	23	1	1	25
'Debutante' (immature bud)	24	1	0	25
TOTAL	82	13	5	100

From the Desk of the Executive Director

"Summertime, when the living is easy." That is the first line from a song in the Porgy and Bess musical that many of you recognize. The living has not been particularly easy but it has been very *exciting*. Early in the season we were very dry and thanks to our irrigating system we were able to keep the plants in good condition. At the moment we are having good rains at the garden.

Educational-Museum Building

One of the most exciting happenings is the progress that is being made on the proposed Annabelle Lundy Fetterman Building. Several of our states accepted the challenge to raise funds for a State room in this new building. There is an article elsewhere in the *Journal*. Funds are coming in daily and the prospects for this building grow brighter. If your state has not accepted the challenge, it is still not too late to do so. In order for the Endowment Fund to receive the \$435,000 from the Lundy Foundation, *the building must be under construction before the end of 1987*.

Bicyclists

Visitors by the hundreds visited the Headquarters on Friday, June 19. Almost three hundred bicyclists visited in less than a four hour period. They had made prior arrangements and were on Friday en route from Macon to Americus. They had begun on Sunday and would end in Albany on Saturday. Although BRAG, Bicyclists Riding Across Georgia was a Georgia based group, we recorded riders from several states. They were most interesting people and we were delighted to have them visit. Your Headquarters received many compliments.

"Peaches on Parade"

"Peaches on Parade" is the title to the fashion show that the ACS sponsored for the Chamber of Commerce's Peach Festival on Thursday, June 25. This show featured 14 of the loveliest models in the



ANN BLAIR BROWN

Middle Georgia Area. The show was narrated by Sara Jean Ponder of Westpoint Pepperell. Approximately 250 were in attendance and our guest of honor was our President, Annabelle Fetterman. It had been planned for the gardens, complete with runway, but due to rain, it was held in the new 3.8 million dollar Farm and Community Life Building at the Fort Valley State College. Channel 41 filmed the entire show and portions were shown on several occasions. Thanks to the excellent cooperation that we received from residents of Fort Valley and Marshallville, those attending enjoyed a lovely afternoon tea. The publicity given this event was excellent for the ACS.

Regional Meetings

I hope that you are planning to attend the Gulf Coast Meeting in Mobile July 31-August 1 and the Atlantic Coast Meeting at Myrtle Beach, October 2-4. Unfortunately the Mid South Meeting which has been held in Nashville for the past few years will not be held. These summer meetings are quite relaxed. They have excellent programs and plenty of time for camellia talk and visiting. The Gulf Coast is planning a Judging School. After

the Fall ACS Meeting in Fayetteville, October 29-31, you will want to attend Camellia-Rama at Fresno in November.

Large Camellia Plants Needed

If you know of good outdoor, large camellia plants for sale, please contact ACS. We have been asked to locate approximately 50 mature *c. japonica* and 50 *c. sasanqua* for a commercial planting in 1988. This should be quite lovely and we would like to assist in locating these plants. Just think of the joy that thousands of people will have in seeing these used in such a setting. A large planting like this will certainly help publicize our favorite flower.

Membership

By the time that you receive this *Journal*, the new Assistant Director, Dave Scheibert, will be hard at work. We have rearranged the office so that he has adequate space. Dave has been named by President Fetterman to be Membership Chairman. He has some good plans but your help is needed. Why not send in two new members as a "Glad you're aboard" welcome to Dave. We, at Headquarters, look forward to working with him. He has long been a supporter of ACS and is an excellent grower as evidenced by his blooms that appear on the Head Table. This past season was outstanding. Tell your friends and neighbors about ACS, collect the check and forward to us at Headquarters. We'll do the rest and you'll have the satisfaction of having done a friend a favor.

Lighting Strikes

In the early evening of June 6, the Headquarters was struck by lightning. Lightning struck the top of a pine tree in back of Headquarters and then the cupola on top of the building. Fortunately no one was in the building and there was no fire. It was a terrific jolt — so hard that it knocked part of the security panel off the wall. The security

system, the computer, telephone system, copier were knocked out and three water pipes were broken. The tree surgeon removed the injured tree and five other dead trees. He noted that of the six removed, three had been struck by lightning. Due to the good work of the Endowment Fund Board, we have excellent insurance for such disasters.

The buds are looking good. Before long, I'll see you on the Camellia Trail.

ACS

Air Mail For Overseas Members

Some of our Overseas Members have asked about the feasibility of sending our ACS publications to them via Air Mail. It is feasible; the cost of air mailing the publications shown below is *in addition* to the cost of the membership dues.

COST OF AIR MAILING JOURNALS

The cost for mailing via Air Mail the four issues of *The Camellia Journal* is as follows:

Australia & New Zealand	US \$12.72
Japan and the Far East	US \$12.72
United Kingdom & W. Europe	US \$10.00
Argentina & S. America	US \$10.00

COST OF AIR MAILING YEARBOOK

The cost for mailing via Air Mail one issue of *The American Camellia Yearbook* is as follows:

Australia & New Zealand	US \$7.03
Japan and the Far East	US \$7.03
United Kingdom & W. Europe	US \$5.20

Argentina & S. America	US \$5.20
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If an Overseas Member wishes all the publications to be sent via Air Mail, he need only add the two relevant figures above: \$19.75 for Australia, New Zealand, Japan, China, Korea; and \$15.20 for United Kingdom and Western Europe and Latin America. The additional cost for mailing via Air Mail must be sent prior to 1 January 1988.

Articles and advertising for the *Camellia Journals* should be at Headquarters as follows:

For November issue — September 15
For February issue — December 15
For May issue — March 15
For August issue — June 15

FUTURE MEETINGS OF THE ACS

October 29-31, 1987	Fayetteville, NC
Spring, 1988	Open
November 3-5, 1988	Fresno, CA

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