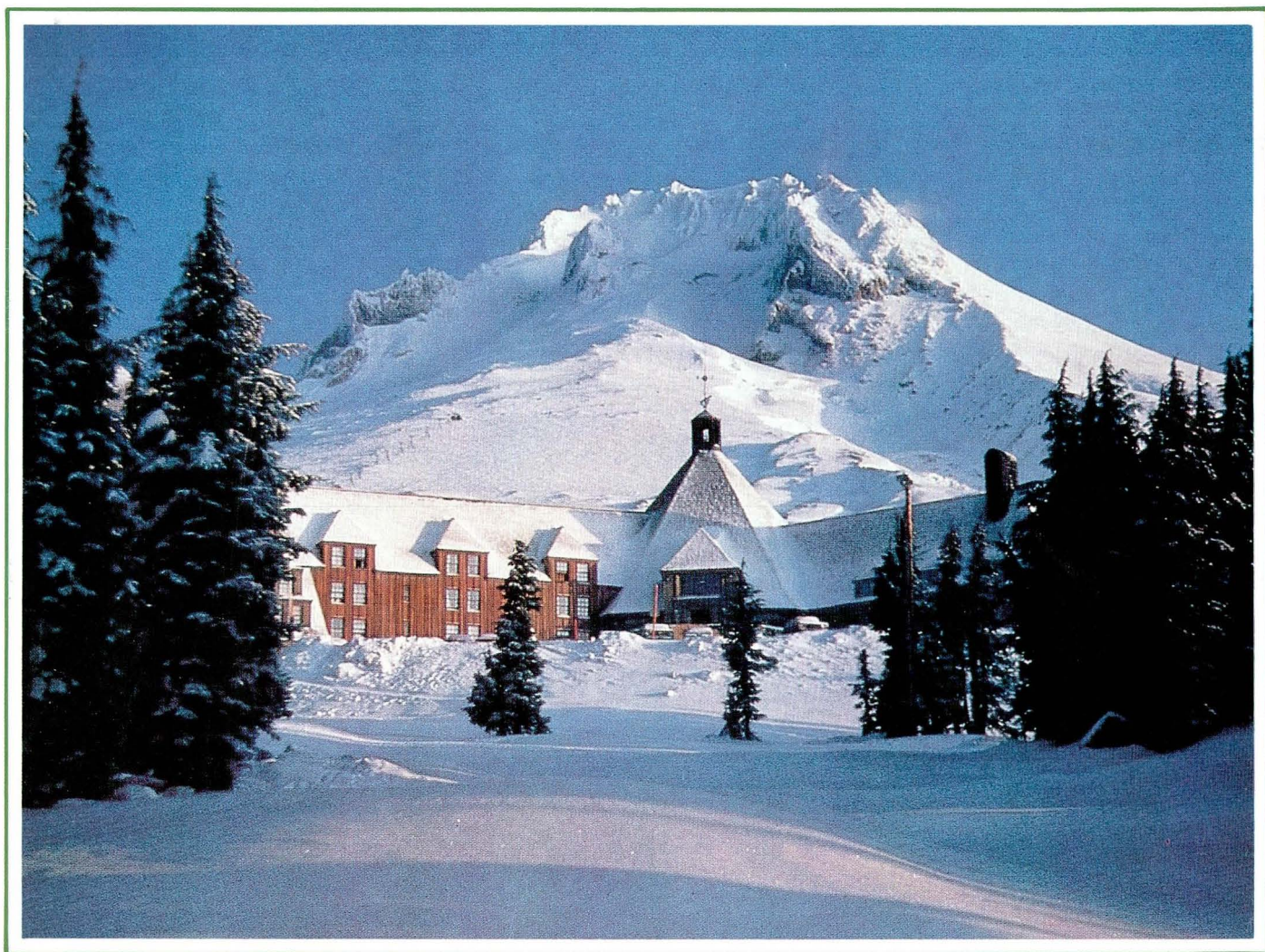


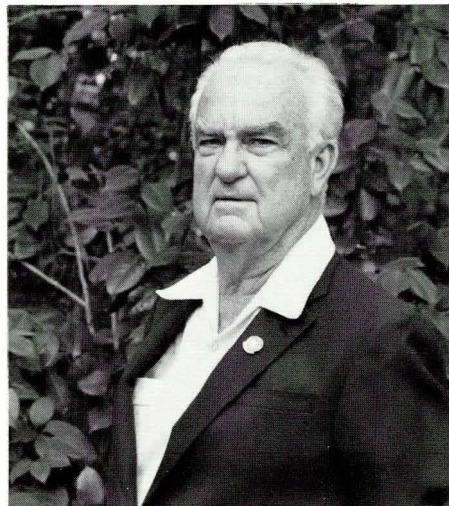
The *Camellia* Journal



Mt. Hood

AN OFFICIAL PUBLICATION OF THE AMERICAN CAMELLIA SOCIETY
VOL. 42, NO. 1 PRICE \$2.00 FEBRUARY 1987

President's Message



G. F. ("AB") ABENDROTH

This will be my final president's message and since I will be unable to write each of you a personal letter to express my appreciation, I would like to utilize this opportunity to thank all the officers, directors, committee chairmen, committee members, all Massee Lane personnel and all active members for the good job they have done during my tenure as President.

I look back with pride at the progress ACS has made these past two years which was possible only through the help and support of all our members. My regret, however, is that due to my illness I was unable to accomplish all I had anticipated.

I know that this progress will be amplified next year as our new President, Annabelle Fetterman, takes the reins. She will be very thorough and exacting in what she expects from the people she will be depending on. That means each of us — and I know she will not request any more from us than she is willing to give herself.

My sincere gratitude is extended to all of you for the confidence you placed in my ability to serve as your President. It was a very enjoyable experience and a privilege I will always treasure.

Pacific Coast Directors Elected

State Directors and Directors-at-Large for the Pacific Coast Territory were elected last fall and ballots were tabulated October 28, 1986.

Robert L. Kellas of Fresno, CA and Thomas E. Hughes of La Canada, CA were elected to the two posts of Director-at-Large for the territory.

H. C. Rambath of Sacramento was elected Director for the state of California.

Alton B. Parker of Newberg, OR was elected state Director for Washington/Oregon.

These Directors will assume their positions at the meeting of the new ACS Governing Board on April 2, 1987 in Portland, OR. We salute these new Directors.

— ACS —

Bronze Plaque Awarded

No one was more surprised than the recipient, Ann Brown, when the Bronze Plaque was presented to her at the Fall meeting of ACS in Pensacola, FL. The presentation was made by Philip W. Ireland, Director of N. Va./D.C./MD and a friend of long standing. He traced the early beginnings of the Browns' interest in camellias and the forming of the Camellia Society of the Potomac Valley which took place in their home in Arlington, Virginia in the 1950's. The Bronze Plaque is awarded for outstanding contributions to the advancement and welfare of the Society or to the accomplishments of the aims and purposes of the Society. She has traveled worldwide with her husband representing the American Camellia Society in the interest of camellias. Some countries visited include Japan, Italy, France, England, Australia and New Zealand. She is a member of local, regional, national and international societies. She has served as membership chairman, Asst. Executive Secretary and is currently Executive Director of the ACS.

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The *Camellia* Journal

WORLD'S LARGEST PUBLICATION DEVOTED TO THE GENUS CAMELLIA

Volume 42

Number 1

February, 1987

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Small Can Be Beautiful

DAVID L. FEATHERS

In these days of the popularity of the very large camellias such as 'Jean Pursel' and 'Moonlight Bay', there is a tendency to overlook many of the very desirable small camellias, such as the non-retic hybrids. In this latter group, I am particularly fond of those developed from *C. pitardii*, some of which have the basic form of the reticulata but are of buttoniere size and are in dainty shades of off-pink color. These are mainly from seedlings or hybrids of *C. pitardii* var. *pitardii* or *C. pitardii* var. *yunnanensis*, which plants have very bushy, graceful form and relatively small foliage. Bouquets of such flowers, cut with relatively long stems make very attractive displays, while single blooms on short stems are excellent for the personal adornment of either sex.

In the garden, such plants are outstanding by reason of their distinctly different appearance both in and out of bloom. The blooms are particularly desirable because their small size and unusual color lends itself to so many different usages, with a versatility that is only possible with miniature size. As potted plants, they are neat and sufficiently slow in growth as not to require too frequent repotting. We grow so many of the large flowered, large foliaged type of camellia that it is a welcome novelty to have attractive ones of the small kinds and the same may be said for public exhibition. In these days of a premium upon space, it is important to have some kinds of camellia that are both neat and reasonably compact, especially where container culture is concerned. As time passes, space considerations become increasingly important.

Carrying on this line of thought, the importance of space limitations to the camellia plant breeder must become more and more obvious. Many a prospective camellia buyer has resisted the lure of a beautiful plant simply because he hasn't "room for it". It is up to us to develop new camellias that are not turned down for such a reason. We must produce a variety of plant types that will



Guests assembled for the Japanese Garden Dedication. Those taking part in the ceremony, front row left to right are Rev. Phillip Thomason; Betty Hotchkiss, Horticulturist; Rodney Clemons, Garden Designer; Stuart Watson, Chairman, Endowment Board; Rev. Charles Robinson. Back to camera, Ann Brown, Executive Director. Far right, W. C. Wyatt, Treasurer, is video taping the dedication. Photo — Courtesy Dr. David Scheibert

meet all prospective conditions. We have the necessary raw material and it is up to us through proper and intelligent plant breeding to produce whatever is necessary to meet modern day circumstances.

—ACS—

CAMELLIA GIRL

ED COMBATALADE

Tete-a-tete for forty-seven years with a camellia lover — something had to happen.

It did. My bride, Barbara, is a doll collector, old dolls, paper dolls, advertising paper dolls, etc., and member of a doll club. One bright day she got an idea. Why wasn't there a camellia paper doll in this Camellia Capitol of the World, where the camellia is the official flower of the city and county?

Now there is. Camellia Girl will make her formal debut during the Sacramento Camellia Festival March, 1987. The Sacramento Pioneer Doll Club, a non-profit group affiliated with the United Federation of Doll Clubs, developed the paper doll to promote doll appreciation through community relations. The artist, Aico Gautz, is a member of the club; Patty Marchal is the project chairman. Since the festival already has a theme song, Camellia Girl by Dr. F. Melvyn

Lawson, the club decided Camellia Girl would be an appropriate name for her.

Information on Camellia Girl may be obtained by sending a SASE to Sacramento Pioneer Doll Club, 4314 Hussey Drive, Carmichael, Calif. 95608.

EDITOR'S NOTE: The lovely camellia girl paper doll won the hearts of all at headquarters. She has three pretty dresses and a nightgown. One of her dresses is a party dress and she has a wreath of camellias to wear with it. All of her dresses feature camellias and like most little girls she has a doll also.

—ACS—

JANUARY FOG

Shrinking their shoulders
from the cold.
The trees their barren limbs exposed.
Tremble in the silent dawn.
Anxious for the sun to rise,
to melt the Fog away.
Oh, Winter's night of deepening cold,
Freeze not our thought of spring.
For the camellia blooms with golden
light,
Jeweled-petaled by the tears of night.
Shed by the falling Fog.
While all is dark and gray.

by

Barbara Butler, August 1986
From
Children of the Mist

Japanese Garden Dedicated

ANN B. BROWN

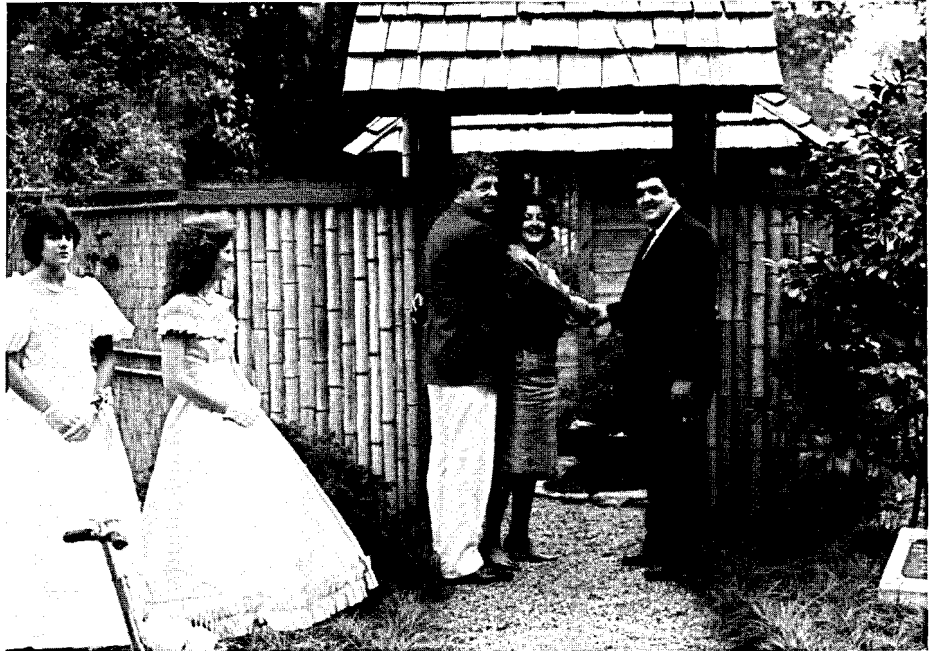
November 1, 1986 will be a day long remembered by members and friends of ACS. It was the day that the Japanese Garden, one of the goals of the Fortieth Anniversary Campaign, was dedicated. Evelyn and Ab Abendroth gave this garden to honor their children, Marilyn and Bob Tarpy, Joe and Missy Abendroth, Jim and Julie Abendroth, and their families. Two planes carrying Evelyn, Ab, their children, their spouses and seven grandchildren arrived in a downpour on Friday afternoon. Although the weather on arrival was far from pleasant, the warmth of this delightful family brought sunshine to those who met them. Members of the Middle Georgia Camellia Society were delighted to have them attend their party on Friday evening at the home of Marjorie and Wally Freshwater.

Friends from several states attended the dedication services. After the ribbon cutting, guests had the opportunity to view this new attraction. Rodney Clemmons of Landscape Creations, one of the designers of the garden, graciously explained the design and plant material to visitors. There are many unusual evergreen plants in sizes ranging from close-to-the-ground cover plants to small tree forms. The plants follow the contours of a naturalistic small brook cascading over a rocky creek bed into a quiet pool which is stocked with colorful Koi fish. Millstones from the Middle Georgia area are the stepping stones that cross the tiny pool.

The garden has its own diminutive tea house and is completely surrounded by an oriental style fence complete with an

escape panel. There are several camellias — both *C. japonicas* and *C. sasanquas* but the highlight of the camellias are three 'Rachel Tarpy' plants, which were originated by Mr. and Mrs. Abendroth and named for their granddaughter. This new garden has attracted much attention in the Middle Georgia area and we have had large numbers of visitors. Members

are grateful to our President and his wife for this lovely attraction. It is a garden to be viewed at all seasons. After the dedication, visitors attended the Middle Georgia Camellia show. The best outdoor bloom in show was 'Tiffany' exhibited by Ab and Evelyn Abendroth. This was truly a banner day for the Abendroths as well as the American Camellia Society.



Joe Abendroth, Marilyn Tarpy and Tim Abendroth cutting the ribbon. Southern belles Allison Sparks and Laurie Gamble watch. Photo — Courtesy Dr. David Scheibert



Marilyn Tarpy enjoying a picture taking session with the family after the dedication. Photo — Courtesy Dr. David Scheibert

BLACK ROOT ROT AND STEM BLIGHT OF CAMELLIA

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

More than 100 newly transplanted *Camellia sasanqua* and *C. oleifera* cuttings being grown for grafting stock died during the past two growing seasons in our greenhouse. Symptoms of wilting and sudden death suggested dieback caused by *Glomerella cingulata*.^{2, 3} Further examination of dead and dying plants, however, revealed that their roots were black and stems were irregularly dark streaked (Fig. 1).

Routine laboratory isolations from these dead and dying plants yielded an unknown species of the known fungal plant pathogen, *Cylindrocladium*. Species of *Cylindrocladium* cause serious diseases of peanut, soybean, azalea, rhododendron, and many other plant species.^{1, 4, 5, 6} Conidial (asexual) and ascospore (sexual) stages of *Cylindrocladium* occurred readily on carrot juice agar (CJA) when 5- to 7-day-old mycelial colonies were scraped and incubated under continuous fluorescent light at 21 to 22 C. Conidia are colorless, straight, long (ave. 70.2 microns) and 1 to 3 septate (having 1 to 3 cross walls). Ascospores are colorless, slightly curved, long (ave. 43.75 microns) and one septate. Perithecia, in which the ascospores are borne, are bright red and sufficiently large to be seen with the naked eye. The ascospores are either exuded or forcibly ejected from the perithecia 10 to 15 days after the plates are scraped and incubated as described above.

Studies on the response of this fungus to various chemicals are summarized in Table 1. Of the fungicides selected for testing, only benomyl effectively controlled growth of *Cylindrocladium*. There was complete suppression of growth on carrot juice agar by benomyl at rates of 10, 100 and 1000 parts per million, active ingredient (ppmai) but only partial suppression at 1.0 ppmai (Fig. 2). Mycelial transplants were suppressed on benomyl amended CJA for 28 days but the fungus was not killed since

soaking the transplants overnight in sterile water to remove the benomyl allowed all to grow when they were placed on benomyl-free CJA.

Spores distributed throughout CJA amended with benomyl at 300 ppmai (the recommended rate) failed to grow when plugs of spore laden CJA were removed 7, 14 or 28 days and soaked overnight in sterile water, to remove the benomyl, prior to placing on benomyl-free CJA.

Newly-transplanted rooted cuttings of *Camellia sasanqua* and *C. oleifera* grown in a mixture of potting soil (Baccto Potting Soil^o) and white builders sand (50-50 by volume) in a greenhouse. Inoculation was accomplished by dipping roots in a conidial suspension (concentration of 100 Klett units as measured by a Klett-Summerson colorimeter) at the time of transplanting. In two studies, 18 of 24 and 14 of 24 inoculated cuttings died, respectively, within 4 to 8 weeks after treatment. None of the 48 control cuttings died.

Twenty 3-yr-old potted plants of *C. sasanqua* were divided into four groups of five plants each. One group of five plants was wounded by scraping the bark from a small area of the stem near the ground level and inoculated with *Cylindrocladium*. Similar groups of five plants were wounded, and not inoculated, not wounded and the soil infested, and not wounded and the soil not infested. Lesions developed on the stems of all five wounded inoculated plants but the plants appeared healthy otherwise. The five wounded non-inoculated plants healed. The non-wounded plants all remained healthy, even in the infested soil.

C. sasanqua cuttings were rooted in white sand with or without benomyl (1 g Benlate/1000 g air-dry sand) and with or without a spore suspension of *Cylindrocladium*. In the *Cylindrocladium*-infested sand 54 of 100 cuttings died as compared to 6 of 100 cuttings in the infested sand to which benomyl was added. There was no death of cuttings in the non-infested controls, either with or



Dr. Luther Baxter, Chairman of the Research Committee, makes a point. Photo — Courtesy of Dr. David Scheibert

Contribution No. 2622 of the South Carolina Agricultural Experiment Station, Clemson University.

^o Michigan Peat Co., P. O. Box 66388, Houston, TX 77266.

without benomyl and in sterilized and non-sterilized sand.

A second study in the rooting bench involved ten 1-gallon containers infested *Cylindrocladium* and each with one cutting of the following plants: *Photinia x fraseri* (photinia), *Rhododendron catawbiense* (rhododendron), *Rhododendron obtusum* (azalea), *Ligustrum japonicum* (ligustrum), *Ilex cornuta* var. *Burfordii* (Chinese holly), *Ilex opaca* (American holly), *Aucuba japonica* (acuba), and *Cleyera japonica* (cleyera). A similar ten pots contained non-infested sand. Cuttings dead 60 days after inoculation with *Cylindrocladium* were: photinia 4/10, rhododendron 10/10, azalea 10/10, ligustrum 0/10, Chinese holly 9/10, American holly 10/10, acuba 0/10, and cleyera 7/10. In controls, without *Cylindrocladium*, all plants were healthy except that one azalea cutting died (that is 10/10 of all others).

Twelve rooted cuttings of *C. sasanqua* were planted in a sand-potting soil medium (1-gallon Lerio metal pots) mixture (50-50 by volume) plus *Cylindrocladium* as follows: 1) potting soil-sand mixture without benomyl; 2) potting soil-sand mixture with benomyl (benomyl mixed in substrate immediately before potting); 3) potting soil-sand mixture with benomyl added as a water suspension immediately after potting (same level of benomyl); 4, 5, and 6 same as 1, 2, 3 but without *Cylindrocladium* added. After 60 days results were as follows: 1) 4/12 living; 2) 12/12 living; 3) 12/12 living; 4, 5 & 6) 12/12, 12/12 and 12/12 living, respectively.

Isolations from plants that died from the treatments yielded pure cultures of *Cylindrocladium* sp. except the one control azalea cutting.

Studies on susceptibility of *C. japonica* and *C. chrysanth* to this fungus are being conducted, and efforts to identify the pathogen to species are in progress.

There are several general conclusions or tentative conclusions that may be drawn from these tests:

1. *Cylindrocladium* was the cause of death of the *Camellia sasanqua* and *C. oleifera* cuttings in the greenhouse.
2. In addition to *C. sasanqua* and *C. oleifera*, several other plant species

are susceptible, including photinia, rhododendron, azalea, Chinese holly, American holly, and cleyera. Ligustrum and acuba were not detached.

3. Established (3-yr-old) potted *C. sasanqua* plants were attacked and lesions produced on the stems only when the plants were wounded. (tentative)

4. Benomyl added to the rooting medium or potting soil medium at a rate of 1 g per 1000 g air-dry sand or soil provided almost complete control of this disease. (tentative)
5. Benomyl in agar resulted in the death of conidia but only in suppression of the growth of the mycelial (vegetative) form of the fungus. (tentative)

TABLE 1. Growth response of *Cylindrocladium* sp., recovered from diseased *Camellia sasanqua* and *C. oleifera*, to selected fungicides. Fungicides were used to amend carrot juice agar on which *Cylindrocladium* was seeded.

Fungicide (proprietary name in parentheses)	Concentration (ppmai)*				
	1	10	100	1000	Control
Benomyl (Benlate)	24.20**	0.0	0.0	0.0	68.94
Captan (Captan)	55.75	64.06	49.00	51.33	68.37
Chlorothalonil (Daconil 2787)	52.44	45.69	42.63	40.38	69.43
Glycophene (Chipco-26019)	64.63	57.05	41.69	39.00	63.38
Metalaxyl (Subdue)	68.75	67.88	61.44	44.25	65.00
PCNB (Terraclor)	68.75	54.81	30.00	30.88	68.93
Triadimefon (Bayleton)	63.15	48.88	31.93	30.13	65.81

* ppmai — parts per million, active ingredient ($\mu\text{g}/\text{ml}$ — micrograms per milliliter)

** Values, average growth in millimeters from 16 7-day-old cultures of *Cylindrocladium* on CJA amended with chemicals listed, at appropriate concentration.



FIGURE 1. Stems are irregularly dark streaked.

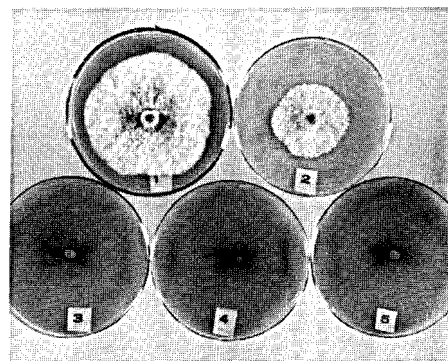


FIGURE 2. *Cylindrocladium* grown on CJA amended with Benlate as follows: 1) control; 2) 1 ppmai; 3) 10 ppmai; 4) 100 ppmai; and 5) 1000 ppmai.

comparison of the relative susceptibility of seedlings of *Camellia japonica* and *C. sasanqua* to dieback and canker caused by a strain of *Glomerella cingulata* pathogenic to camellias. Plant Dis. Repr. 58:139-141.

ACKNOWLEDGMENTS

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Liability Insurance

The high cost of providing liability insurance during camellia shows is causing some concern among our societies. The headquarters was contacted to see if those shows sponsored in cooperation with the American Camellia Society could be covered under ACS policy. The Endowment Board at the November meeting in Pensacola addressed the policy and the Executive Director was asked to contact our insurance agency, Solomon Insurance Agency in Macon, GA.

Mr. William G. Solomon, 3rd stated that coverage could be provided but it would be necessary to gather the following information for each show held in cooperation in the American Camellia Society.

- (1) the number of days that each show lasts (premium is generally assessed on a "per day" basis)
- (2) the limits of liability required
- (3) whether admission is charged
- (4) the location of each event (street address, if possible; if not available, city and state are required at a minimum)
- (5) an estimate of the total attendance.

If your society is interested in this, please answer the above questions and return to the Executive Director by March 15, 1987. The Endowment Board will assess the responses at their meeting in Portland, OR April 2, 1987.

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REGISTRATION INFORMATION AMERICAN CAMELLIA SOCIETY ANNUAL MEETING April 2-3-4, 1987 Portland, Oregon

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Tom Hughes, Endowment Board Director, has a few words with Stuart Watson, Endowment Board Chairman. Photo — Courtesy of Dr. David Scheibert

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Travel Concepts Inc. of Portland, OR has been contacted by Vera and Al Parker regarding special air fare rates to the annual meeting in Portland April 2-4, 1987. In a letter from Janel Wire, president of Travel Concepts, she states: "Delta Airlines was willing to extend a similar offer for this trip as they did for your Houston meeting in November of 1985: 40% off regular coach if reserved through Travel Concepts and ticketed at least 14 days prior to departure. There are no penalties for making changes on these tickets, but everything needs to be finalized 14 days prior to departure."

Following are some fares between Atlanta and Portland, that our agents are prepared to offer your members, subject to availability:

\$318.00 Purchase tickets 21 days in advance. Stay in Portland through Saturday night. 25% change/cancel fee once ticketed. Limited availability.

\$398.00 No advance purchase. Stay in Portland through Saturday night. 10% change/cancel fee once ticketed. Limited availability.

\$588.00 No restrictions. Must be finalized 14 days prior to departure.

All of the above fares are subject to change at any time, and fares are not guaranteed until paid in full. Candace Hjorten (silent "h") of our Airport Business Center staff will be handling the reservations for you. Contact her toll-free (800) 331-9589 between 7 a.m.-6 p.m. Pacific time.

Don't miss the opportunity to take the Oregon Trail to Portland in April. Members of the Oregon Camellia Society have planned an outstanding meeting for us. See the November *Journal* for more details about this beautiful country. See you there.

SCHEDULE FOR THE AMERICAN CAMELLIA ANNUAL MEETING — APRIL 2-4, 1987 Portland, Oregon

Tuesday, March 31

9:00 a.m. — Optional tour to Astoria and beaches.
Lunch at the Astoria Thunderbird.

Wednesday, April 1

9:00 a.m. — Optional tour, Mt. Hood Loop, Multnomah Falls, Bonneville Dam, Timberline Lodge.
Lunch at the Columbia Gorge Hotel.
4-6 p.m. Hospitality Room.

Thursday, April 2

9 a.m.-4 p.m. — Registration.
9:00 a.m. — Governing Board.
10:30 a.m. — Board of Trustees.
Noon — Lunch on your own.
1:30 p.m. — Program of various subjects: by Northwest speakers.
4-6 p.m. — Hospitality Room.
7:00 p.m. — Awards Banquet.

Friday, April 3

9:00 a.m. — Board busses for garden tour, at the University of Portland will tour the grounds, plant two camellias in honor of the out-going and incoming Presidents. Have lunch at the University. Tour the Japanese Gardens and Crystal Springs Gardens.
4-6 p.m. — Hospitality room.
Dinner on your own.

Saturday, April 4

9:30 a.m. — Breakfast Buffet.
1:00 p.m. — Visit camellia show.
6:30-7:30 p.m. — Open Bar.
7:30 p.m. — Indian Salmon Barbecue Buffet.
8:30 p.m. — Entertainment.

Informal dress for all events.

ACS

Hybridizing Reflections with *C. Reticulata*

HOWARD E. BURNETTE

During the process of tracing some of the hybridizing accomplished by the late Frank Pursel of Oakland, CA, I happened across an article which he had written entitled, "Hybridizing: Northern Calif. Style" (*The Camellia Journal*, Vol. 34, No. 4). This article covers a considerable amount of the variable crosses made by Pursel in the early part of his hybridizing. The use of *C. japonica* "Tinsie", *C. lutchuensis*, 'Brigadoon' (*C. saluenensis*

x *C. japonica*) in conjunction with 'Crimson Robe', 'Cornelian' and 'Arch of Triumph' led to some very interesting horticultural variations as Pursel pursued his crossing and back-crossing efforts. It is interesting to note some of the leaf and plant changes which are the results of these crosses, especially those which have the heavy, very large sized leaves. In many cases third and fourth generations are covered.

The ideal situation is for the hybridist to have the family history of the crosses which are being used. A cursory check of CAMELLIA NOMENCLATURE, with reference to the section on Reticulatas and Reticulata Hybrids, the preponderance of cultivars with known parentages registered were made by Frank Pursel. Of his approx. 100 cultivars named and registered, only one was open pollinated, which was the variety, 'Fred Lee'. There are many cultivars registered as "seedling of" "open pollinated" "Japonica x Reticulata" (without parental record). It was noted that Pursel had registered only one non-retic hybrid, 'Col. R. D. Hicks'. We must not overlook the many controlled crosses registered by Asper, Parks, Homeyer, Piet-Gaeta, *et al.* In the many cases where the seed parent varietal name was not made a matter of record, although the species was listed, it must be safe to assume that the actual parentage is supposition.

During the early 1970's Frank Pursel was growing seedlings of his first camellia crosses — *C. reticulata* 'Cornelian' x *C. japonica* 'Mrs. D. W. Davis' and some

hybrids crossed with 'Crimson Robe'. Since Frank had access to the greenhouse at Carl Anderson's Montclair Nursery in Oakland, CA, I suggested that we make grafts of some of these hybrid seedlings to speed up the blooming process. We had a high percentage of takes on these 'micro-grafts' and they were given a series of 'X' numbers for identification. As I recall, this first group was X-1 through X-12.

While these first grafts were being evaluated as blooming plants, I accepted a transfer within my company to Fort Wayne, IN, causing me to lose direct contact with Frank Pursel and his hybridizing accomplishments. During this evaluation, Frank had used 'Crimson Robe' and 'Cornelian' as seed setters to back cross some of his original hybrids; in fact, his first registered cultivar was 'Jean Pursel', a cross of 'Crimson Robe' x *C. Hybrid* ('Cornelian' x 'Mrs. D. W. Davis'), and had been designated X-6.

After the registration of 'Jean Pursel' there were several of the 'Cornelian' x 'Mrs. D. W. Davis' cultivars considered worthy of introduction: X-5 ('Cameron Cooper'), X-9 ('Hulyn Smith'), X-10

('Dick Goodson'), X-11 ('Buddy Bills') and X-12 ('Mary Stringfellow'). Not a bad track record considering the limited number of crosses which had been made. There are many outstanding flowers among Frank's introductions. Important is the fact that for hybridizing purposes the parentage records are in place.

Since returning to California last year, I have been busy putting together some semblance of a camellia collection to pursue a hybridizing program of my own. This will not only include a follow-up of the dark reds which Pursel had been developing in his later years but will encompass the hybrid vigor evident in his crosses.

To embark on a program to seek improved flower form, color clarity, etc. will entail the addition of some new element to the work done by Frank Pursel. I can appreciate all the effort which has been put forth to introduce pleasing fragrance and yellow colors to camellia garden varieties and would hope that I can contribute something worthwhile in these endeavors. However, only time will tell.

American Camellia Society 42nd Annual Meeting

April 4-5, 1987

Site: Portland, Oregon

Travel Concepts, Inc. and Delta Air Lines, in cooperation with American Camellia Society, are offering a special discount which affords at least a 35/40%* discount off Delta's round trip, undiscounted day coach fares for attendees traveling on Delta to the meeting OR a 5% discount off Delta's already low, low 30-day advance purchase fare.

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Alfus Johnson, 40th Anniversary Campaign Chairman, gives his report as President Abendroth and wife, Evelyn listen intently. Courtesy of Dr. David Scheibert



Capt. George Anderson, Convention Chairman, explains the agenda to Ann Brown. Col. Ed Atkins, Florida Director at right. Photo courtesy of Dr. David Scheibert

New Awards Announced

Dr. Herbert Racoff, Chairman of Exhibitions and Awards announces the acceptance of the Charlotte C. Knox Reticulata Award and the Evelyn A. Abendroth Award. A description of each award follows.

CHARLOTTE C. KNOX RETICULATA AWARD

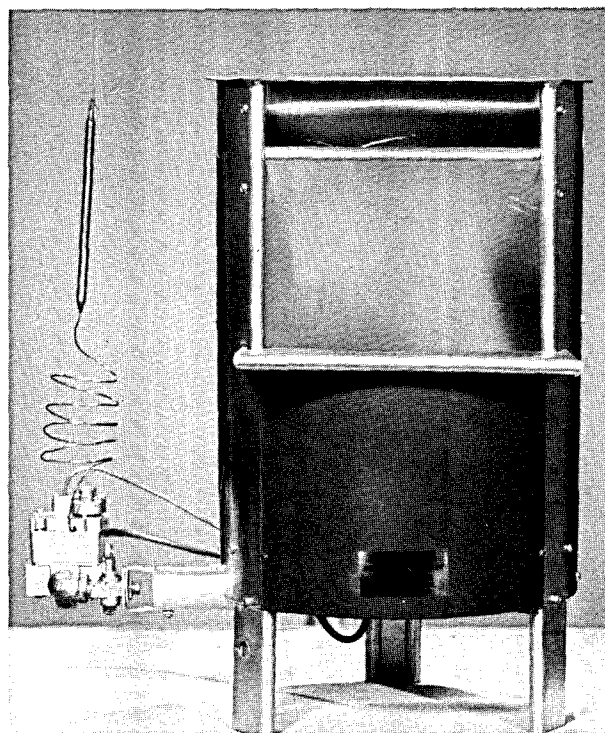
This award was made possible through

the generosity of Thomas P. Knox, Jr. of Columbia, South Carolina, to honor his late wife Charlotte C. Knox. It may be made annually to an outstanding seedling of *Camellia reticulata* or hybrid with Reticulata parentage. The award shall consist of a permanent cup which will remain with the American Camellia Society, at its headquarters. The year and the name of the winning variety, each

year the award is made, shall be engraved on the cup. The originator of the winning variety shall be awarded a bronze medal.

The chairperson of the Exhibition and Awards Committee, of the American Camellia Society, shall appoint a separate team of five (5) judges to select the award, the members of which shall be known only to the other judges of the team. The award would only be made in the event that at least four (4) of the five (5) judges agree on a selection (One (1)

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dissenting vote permitted). The decision of the judges on granting or withholding the award shall be final.

General Standards

In judging camellias for the award the style and distinctiveness of the flower, the growing and flowering characteristics of the plant in all camellia growing areas and other unusual factors, such as fragrance, that justify the highest recommendation of the subject flower, shall be considered.

The award can be given to any Reticulata or Reticulata hybrid that fits the requirements. The variety must have been commercially distributed not less than five (5) years. If the flower originated after 1945, however, that variety must have been approved by the Varietal Registration Committee and thus, registered with the American Camellia Society. In all instances the American Camellia Society shall reserve the right to amend the rules and regulations in relation to such award, so long as such amendments do not directly conflict with any agreement with the sponsor or pervert the purpose of such award.

Special Requirements

Definition of *Camellia reticulata* — Taken from *Camellia Nomenclature*, 1984, published by the Southern California Camellia Society. "The predominant opinion is that the Reticulata is not a distinct species but is a hybrid of other species, probably *Pitardii*, which is also believed to be a hybrid, fractionally combined with *Japonica*. The Yunnan Reticulatas, which were imported into the United States from China in 1948 by Ralph S. Peer of Hollywood, California and Descanso Gardens of La Canada, California, have generally been listed as Reticulata and their seedlings as hybrids."

A hybrid with Reticulata parentage must be:

- a cross of a Reticulata with one or more species of the genus camellia.
- a cross of two plants that are hybrids with Reticulata parentage.
- a cross of a Reticulata hybrid with another camellia species.

EVELYN A. ABENDROTH AWARD

This award was made possible through the generosity of G. F. (Ab) Abendroth of

Shreveport, Louisiana, in honor of his wife Evelyn A. Abendroth. It can be made annually, at the camellia show held in conjunction with the fall meeting of the American Camellia Society, for the best bloom of *Camellia japonica* 'Rachel Tarpy'. The award shall consist of a permanent cup which will remain with the American Camellia Society, at its headquarters. The year and the name of the winning exhibitor will be engraved on the cup each year the award is made. The exhibitor of the winning 'Rachel Tarpy' bloom shall be awarded a bronze plaque. The plaque shall be engraved with the name of the award, the name of the flower, the place and date of the show

and the name of the exhibitor. The award will be officially reported by the American Camellia Society, at its annual spring meeting, together with the other ACS awards.

General Standards

The best 'Rachel Tarpy' bloom must have been awarded a blue ribbon in order to be eligible for the award.

In all instances the American Camellia Society shall reserve the right to amend the rules and regulations in relation to such award, so long as such amendments do not directly conflict with any agreement with the sponsor or pervert the purpose of such award.

ACS

Show Dates

(ACS Cooperative Shows)

Place, Location, Sponsor	Date
Tuscaloosa, AL; West Alabama Camellia Club	Jan. 31-Feb. 1, 1987
San Diego, CA; San Diego Camellia Society	Jan. 31-Feb. 1, 1987
Lakeland, FL; First Federal Florida; First Federal Florida	Jan. 31-Feb. 1, 1987
Shreveport, LA; Shreveport Camellia Society	Jan. 31-Feb. 1, 1987
Arcadia, CA; Temple City Camellia Society	February 7-8, 1987
Jackson, MS; Deposit Guaranty National Bank Plaza; Jackson Camellia Society	February 7-8, 1987
Charlotte, NC; Eastland Mall; Charlotte Camellia Society	February 7-8, 1987
Tyler, TX; First City National Bank of Tyler; Tyler Camellia Club	February 8, 1987
Birmingham, AL; Eastwood Mall; Birmingham Camellia Society	February 14-15, 1987
Cloverdale, CA; Cloverdale Citrus Fair	February 14-15, 1987
Pomona, CA; Pomona Valley Camellia Society	February 14-15, 1987
*Redwood City, CA; Peninsula Camellia Society	February 14-15, 1987
Santa Clara, CA; Community Recreation Center, 969 Kiely Blvd.,	February 14-15, 1987
Camellia Society of Santa Clara	February 14-15, 1987
Columbia, SC; Columbia Mall; Columbia Mall Merchants Assn.	February 14-15, 1987
and Mid-Carolina Camellia Society	February 14-15, 1987
Fort Worth, TX; Conservatory, Botanic Garden, Fort Worth Camellia Society	February 15, 1987
La Cañada, CA; Descanso Gardens, Southern California Camellia Society	February 21-22, 1987
Moraga, CA; Campolindo High School, 500 Moraga Road, Delta Camellia Society	February 21-22, 1987
Atlanta, GA; Atlanta Botanical Gardens — Day Exhibit Hall;	February 21-22, 1987
North Ga. & Atlanta Camellia Societies	February 21-22, 1987
Wilson, NC	February 21-22, 1987
Baltimore, MD; Hunt Valley Mall, Pioneer Camellia Society of Maryland	February 28, 1987
Sacramento, CA; Sacramento, Convention Center,	February 28-March 1, 1987
Sacramento Camellia Society	February 28-March 1, 1987
Chattanooga, TN; Eastgate Mall; Chattanooga Camellia Club	March 7-8, 1987
Bakersfield, CA; Cunningham Art Gallery; Camellia Society of Kern County	March 7-8, 1987
Concord, CA; Northern California Camellia Society	March 7-8, 1987
Fresno, CA; Fashion Fair Mall; Central California Camellia Society	March 7-8, 1987
Nashville, TN; Tennessee Botanical Garden, Cheekwood;	March 7-8, 1987
Middle Tennessee Camellia Society	March 14-15, 1987
Modesto, CA; Modesto Camellia Society	March 21-22, 1987
Santa Rosa, CA; Sonoma County Camellia Society	March 28-29, 1987
Norfolk, VA; Norfolk Botanical Gardens; Virginia Camellia Society	March 28-29, 1987
Portland, OR; Jantzen Beach Mall; Oregon Camellia Society	April 4-5, 1987
(In conjunction with ACS 42nd Annual Meeting)	January 9, 1988
New Orleans, LA; Ganus High School Gym; Camellia Club of New Orleans	

*Changes since last Journal

Solving the Riddle

BILL DONNAN

1984 was a banner year. For one thing it was the year of the Los Angeles Olympic Games. For another thing it was the 50th Anniversary of the founding of Nuccio's Nurseries in Altadena, California. But, more especially, after trying for about 40 years, Nuccio's Nurseries had discovered a yellow *C. japonica* camellia cultivar! It is estimated that they had propagated something like 500,000 chance seedlings and made, perhaps, several thousand interspecific hybrid crosses, but had never succeeded in producing a yellow colored camellia bloom. Oh sure, they had come close with the sport 'Elegans Champagne' and they had propagated several of the other yellow (so called) cultivars such as 'Brushfields Yellow' and 'Gwenneth Morey.' Yet they had never really produced a new yellow of their own until 1984. Then, during the first week in April, one of their hired helpers was watering camellias down in the Number 2 seedling house and he came upon this yellow bloom!

When the plant was discovered there were actually two plants side by side but, alas, the label describing the origin of the plants or the hybrid cross which produced the cultivar had become lost. During January of that 1984 year Southern California witnessed one of the worst wind storms of the decade. The wind had blown down several of the lath houses at the nursery and the consequent havoc raised by this event had succeeded in scrambling the labels on many of the plants including numbered seedlings and hybrids. Thus the origin of the yellow cultivar was unknown. It was termed a "lost label" hybrid and was given the temporary name of 'Nuccio's Golden Anniversary.' Subsequently this new seedling was propagated and now there are about 20 plants in stock.

There is no question but what this plant is a *C. japonica* seedling since both the blooms and the foliage are definitely *C. japonica* species. However, there has

always been this nagging riddle concerning just what the origin of this cultivar could have been. Since there were two plants it could not have been a chance seedling which had bloomed for the first time, and since there were two grafted plants it must have been something special which was on trial. The riddle as to the origin of the cultivar has come to haunt the Nuccios and they have been reluctant to go "full bore" with the "pedal to the metal" on propagating this cultivar. Now, at last, the riddle has been solved. Here is the story.

In 1982 Julius and Bonnie Nuccio attended the American Camellia Society Convention held in Charlotte, North Carolina. After the convention they drove over to Masee Lane and later on they went down to Macon, Georgia to visit with Dr. W. F. Homeyer, Jr. While walking through the garden, Dr. Homeyer mentioned that he had a new yellow seedling and he wanted the Nuccios to try it out on the West Coast. Homeyer mailed a scion of this yellow seedling along with scions of 'Howard Dumas' and several others to the nursery in Altadena and they were grafted up by the boys. Meanwhile Julius and Bonnie drove on down to New Orleans and finally came on home. The wind storm blew off the labels from the two yellow grafts and the identity became lost. (Julius claims that if he had grafted the plants he would have been able to recognize the identity. He claims that he can identify every graft he has ever made! This is an unlikely and farfetched contention! Either that or else Julius has not made very many grafts!) In any event, the two grafts of the Homeyer yellow grew and one of them bloomed in April 1984.

Meanwhile, Dr. Homeyer propagated his yellow seedling and it kept turning out nice canary yellow, small to medium formal double blooms. It was so promising that Homeyer decided to register and name his new cultivar. It became A.C.S.

registration Number 1995 and it is described as a cross of 'Witman's Yellow' x (seedling x ['Elizabeth Boardman' x 'Colonial Dame']). It was given the name 'Dahlohnega' which in the Indian language means Gold. Now you may well ask how Nuccio's "lost label" yellow cultivar come to be matched up with 'Dahlohnega'? The cultivar 'Dahlohnega' was being touted on the East Coast as a future winner and Nuccio's Nurseries asked Dr. Homeyer to send a few scions out for grafting. They grafted up about ten plants and the plants were growing in the lath house next to the "lost label" yellow which the nursery had discovered in 1984. The only trouble was that you couldn't tell the two cultivars apart! The foliage is the same. The leaves are the same shape. The growth habit is the same bushy upright stance. And now, since the plants have bloomed they are indeed, one and the same cultivar! And so, the mystery has been solved. 'Nuccio's Golden Anniversary' the "lost label" yellow camellia which bloomed in 1984 is, in fact, 'Dahlohnega,' a registered seedling developed by Dr. Homeyer of Macon, Georgia. Nuccio's Nursery is propagating 'Dahlohnega' and it will soon become available to the public.

—ACS—

About the Front Cover Mt. Hood

Oregon's highest mountain is also its most accessible. The 11,235-foot peak and its abundantly forested slopes form a year round outdoor amusement park, especially for skiers, mountain climbers and hikers. Beyond Government Camp, a road leads off U. S. 26 to the most famous structure on the mountain, Timberline Lodge. The lodge is the centerpiece of a lift-served, year-round ski area.

Even if you're not a skier, you'll find Timberline Lodge worth a visit. The National Historic Landmark is a monument to the skill of the craftsmen who built it as a WPA project in the depression years of the early 1930's. After touring the lodge, sightseers can spend a portion of the summer afternoons riding the area's Magic Mile chairlift.

CAMELLIAS AUSTRALIA AND NEW ZEALAND

BOYD McREE

Nine persons from the United States made pre and post tours to the International Camellia Congress in Sydney, Australia, September 14-19, 1986. This trip was beautifully orchestrated by Tom Perkins of Brookhaven, Mississippi and Edith Mazzei of Concord, California. Our group also included two from Houston. Eight others from the United States joined us in Sydney including the Fettermans. He is a director of ICS and, of course, she is President-elect of the ACS. The pre-tour included most of the North and South Islands of New Zealand. The post-tour included Adelaide and Melbourne, Australia and surroundings.

Lorena and I were ill-prepared for what happened when we began our visit. From the beginning we were literally astonished. Our hotel room was filled with Camellias and goodies and our ice box and tables filled with additional

goodies and makings for coffee and tea which we soon learned was *tā*. This continued without let up for 30 days. We knew it was late spring down under but knowing that these countries were nearly 15 degrees nearer the poles than Houston, were unprepared for the semi-tropical climate. We did miss our dippers and planets at night but were amply rewarded by the Southern Cross and new constellations. We noted that even the water always flowed out of basins and tubs counter-clockwise.

At Auckland, we were immediately taken in hand by Neville Hayden, owner of "Camellia Haven" which has acres of Camellias of every size along with Azaleas, Rhododendrons and native plants. We did not even have time to go to the hotel after 20 hours in the air. From that time everything was planned and prepared for our comfort. We thought Tex-

ans bragged a lot but these people down under are not down on Camellias and when you produce, you are not bragging. Their gardens and nurseries eclipsed anything I have ever seen.

Tom, Edith and I were immediately asked to help judge the New Zealand Camellia Show in Hamilton. With this as a beginning, let me describe some noteworthy observations and mention only a few of the really great persons we met.

New Zealand

This country had no indigenous animals or snakes so we did not have to watch where we stepped except off high cliffs. The first garden was at Jack and Myra Price, which was on a mountain overlooking Auckland. They served cocktails and *tā* and I seriously believed they were starting with their best garden. Then we went to a city park, Mt. Eden, and it was adjacent to the Governor's home where he was sitting for a sculptor. We then attended our first New Zealand Camellia Show in Hamilton. They did not have protected and unprotected. No flowers were gibbed and nurseries en-

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tered in competition. Plates of up to 12 were judged. Brass rings were given to each group to qualify on size. A perfect 'Man Size' was disqualified because it was a bit too big. Once a bloom went to the Honor Table, only leaders of each group could judge on the best. About 30% of the blooms were unknown to us and there were as many Hybrids and Retics as Japonicas. We visited three other fine gardens in Hamilton.

At Rotorua, we visited in the home of Tom and Bettye Durrant. He was founder and first president of the New Zealand Camellia Society and author in 1982 of "The Camellia Story", one of the very best books on Camellias I have ever seen. He has contributed 23 registered Camellias in our 1984 Nomenclature. He has been appointed by Her Majesty the Queen as Commander of the Most Excellent Order of the British Empire for services to Education, Horticulture and Environment. I could go on and on about both of them.

At Whakatane, we visited the famous Ida Berg and her garden overlooking an active volcano. She has registered 23 in our 1984 Nomenclature. Trevor Lennard had the best overall display at Te Puke where he also had 150 acres of kiwi.

Tom, Edith and I also judged a Camellia Show at Christchurch. But guess what? 'Hulyn Smith' was judged the best bloom in the show. Also at Christchurch, we visited the garden of Ron and Mollie Coker which has been written up in many magazines and books as one of the outstanding gardens of New Zealand.

We continued on through the Islands and visited many fine gardens too numerous to detail but some of the celebrities we met were: Ray Bamberry — Tauranga; Harry and Yvonne Cave — Wanganui; Richard and Jean Clere — Taupo; Jim and Dorothy Hansen — Waikanae; Neville and Enid Burke — Auckland; Des and Joyce Crowley — New Plymouth; Mr. and Mrs. Jim Rolfe — Hamilton; And many more —

When we left New Zealand, we felt we had sinned many times because God has said — "Thou shalt not envy".

Australia

When we arrived in Sydney, we knew that anything here could only be an anticlimax but under Eric Craig, and those

proud people we rose again to thrill. Just three Australians, Sebire, Tuckfield and Waterhouse have propagated and registered over 100 varieties in our 1984 Nomenclature.

Naturally, much time was spent at the home and gardens of E. G. Waterhouse, founder of ICS, author of many books on Camellia culture and propagator of nearly 50 varieties. We visited the 10 acre garden of Edgar Sebire, a name known worldwide. Here we knew how the astronauts must have felt looking back in wonder at our Earth.

We visited more gardens and met more old and new friends. Just a few who spared no effort in our visit were: Mrs. Maise Chettle — Aldgate; Colin Elliot — Vista; Bob Henderson — Stirling; Bob and Joy Hooper — Adelaide; Neville McMinn — Victoria; Sue Hall — Adelaide; John and Jacklin Pedler — Melbourne; Tom and Olive Savige — Wirlinga; Max Schultz — Adelaide; Bob and Hari Withers — Melbourne; Peter and Barbara Campbell — St. Ives; Sylvia Beeman — Sydney; Helen Simon — Sydney; George and Claire Browne — Adelaide; John Hunt — Melbourne.

Wined and dined all over Australia, we felt like ambassadors but perhaps unworthy. In New Zealand, we thought it humorous that they referred to Australia as "our West Island". I like to proudly say it is the "United States of Australia".

Summary

Their Camellia Gardens are in general more profuse than those in the States (United). They were complemented by huge and varied Rhododendrons. Their gardens have less Azaleas but they are rapidly including those as nurseries are making them available. Hybrids and Reticulatas predominate and many new varieties are being registered. Primary differences, though, are that they do little pruning and debudding leaving masses of blooms with no gibbing. Further, they are not plagued with scale, flower blight or die-back. Close relations with our growers results in their having most of our good varieties and vice versa. One major difference was that Camellias were not hidden away in a few gardens but nearly every home has several and the many parks have them in abundance.

My advice to our people who wish to see really great Camellias — "Go West" and if you fail to see a single Camellia, you will meet some of the finest people in the world.

Beware of the jet lag. It is 2 a.m. as I write and Lorena is ironing.

—ACS—

Frank Pursel Honored

The designation of FELLOW is bestowed on a person who has been recognized as having made substantial and new contributions to scientific knowledge in the culture, care and knowledge of camellias or in development of out-camellia clones or hybrids or similar advances in camellia culture.

The twenty-second member of ACS to receive this prestigious honor was Frank Pursel. The award was to be presented at the Fall meeting in Pensacola, FL but due to ill health this award was made a few days before he died, September 10, 1986 by Past President Jack Mandarich.

Those who attend camellia shows will find that Pursel introductions are continually found in the "winner's circle". Such flowers as 'Dr. Dan Nathan', 'Hulyn Smith', 'S. P. Dunn', 'Dr. Emil Carroll', 'Annabelle Fetterman', 'Maggie Bush', 'Vi Stone', 'Fortieth Anniversary', 'Ivan Mitchell', 'Wally Freshwater', 'Buddy Bills', 'Alfus Johnson', 'Cameron Cooper', 'Fred Lee', 'Dr. Jack Davis', 'Dr. Alvin Johnson' are tributes to the talent of this hybridizer. His introduction 'Jean Pursel' won the Harris Hybrid Award in 1985.

Howard Burnette noted that Pursel's cross of 'Crimson Robe' x 'Jean Pursel' generated the naming and registration of 28 cultivars among which are 'Our Kerry', 'Nell Watson', 'Roy Stringfellow', 'Edith Mazzei', 'Miss Houston' and 'Blair Brown'. As hybridizer and propagator, Frank and Ray Gentry enjoyed a long, professional relationship. He will long be remembered, not only for his camellia achievements, but as a loyal and caring friend who had a delightful sense of humor.

Memorial Donations

(The name in boldface type indicates the person in whose memory the donation has been made as of December 19, 1986.)

Dr. Asa Barnes, Fernandina Beach, FL
Camellia Society of North Florida
Atlantic Coast Camellia Society

Mr. Walter Becker
Mr. & Mrs. Ray Gentry

Mr. Tom Birdsong, Tuscaloosa, AL
(Died December 10, 1986)
West Alabama Camellia Club

Miss Annie Vernon Brent, Jackson, MS
Mrs. Ray Gentry

Mr. Joe Brinkerhoff, Jr., Memphis, TN
Mr. & Mrs. William R. Brewer
Mr. William F. Barbish
Mr. Clair S. Gothard
Mr. & Mrs. Herbert T. Brown, Jr.

Mr. Milton H. Brown, Fort Valley, GA
Mrs. Stanley G. Holtzclaw
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Camellia Society of Santa Clara County
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Dr. Gerald Creagh, Athens, GA
Dr. & Mrs. Charles J. Carter

Mrs. David L. Darden, Tuscaloosa, AL
Mr. & Mrs. William R. Brewer
Mrs. R. D. Hicks

Mr. Jay W. Ellis, Sr., Keystone Heights, FL
Camellia Society of North Florida
Mrs. William B. Johnston
Dr. & Mrs. Alvin E. Johnson

Mrs. Eva Parmele Elmore
Mr. & Mrs. Carl M. Allen, Jr.

Mr. Porter O. Fairchild, Chattanooga, TN
Mr. & Mrs. Roy M. Cox
Mrs. Milton H. Brown
Mr. & Mrs. A. B. Cooper
Mr. & Mrs. George N. Griffin
Mr. & Mrs. R. F. Jeffares
Mr. & Mrs. Leonard E. Shealy, Jr.
Mr. & Mrs. Herbert T. Brown, Jr.

Mrs. John Geiser, Slidell, LA
Greenville Camellia Society
Mr. & Mrs. Michael W. Hotchkiss
Mr. & Mrs. Herbert T. Brown, Jr.

Mr. Ray Gentry, Jackson, MS
(Died November 7, 1986)
Mr. & Mrs. Ralph E. Bernhardt
Mr. W. G. Duncan, Jr.
Mrs. Milton H. Brown

Report of the Fragrant Camellia Winners Held in the Northern California Camellia Council Shows 1975-1986

By **KEN HALLSTONE**
Lafayette, Ca.

Since the first show to include a fragrant section (February 15, 1975, Santa Clara County Camellia Society in San Jose, California) another six of the nine societies that comprise the Northern California Camellia Council have seen fit to *promote* the camellia by adding a fragrant section to their shows. Thanks to Bob and Ruth Marcy, a picture record of the winners of each show has been taken, and I have kept a list of the winning flowers and the people who entered them. Fifty slides with a written commentary are available for loan to any society, upon request. (Cost of postage only.)

The early show winners were predominately named varieties such as 'Kramer's Supreme' and 'Scentsation,' but more and more the un-named seedlings have taken over. This is because more of the societies have, wisely limited

entries to seedlings only. I say wisely because most societies strive to promote our beloved camellia. New and improved flowers can come only through the development of new seedlings. If fragrance in a camellia is desirable, as many believe, then all societies should consider promoting fragrance in their shows.

Having been in the sports arena, coaching thirty-seven years of my life, I have found the best way to promote something is to provide an incentive, a trophy, and a place to show what you can do, such as in a fragrant section. So what is your society waiting for? I will provide your first trophy and you provide the place where the judges and general public can evaluate your fragrant camellia flowers. If you don't have any fragrant camellias I can help you start collecting a few. I will be happy to send you scions from my collection, upon request.

Fragrant Show Winners 1975-1986

<i>Year</i>	<i>Show</i>	<i>Winning Flower</i>
1975	Santa Clara County C.S.	18E Parks Seedling
	Northern CA C.S.	* W-70 Seedling
	Modesto C.S.	'Scentsation'
1976	Santa Clara County C.S.	'Scentsation'
	Sacramento C.S.	'Kramer's Supreme'
	Northern CA C.S.	
1977	Modesto C.S.	D3(4) Seedling
	Santa Clara County C.S.	L18(1) Seedling
	Sacramento C.S.	Unknown Seedling
	Northern CA C.S.	#4028 Seedling
1978	Modesto C.S.	'Eleanor Holtzman'
	Santa Clara County C.S.	D3(4) Seedling
	Sacramento C.S.	'Kramer's Supreme'
	Northern CA C.S.	L18(1) Seedling
1979	Modesto C.S.	'Scentsation'
	Santa Clara County C.S.	J22(2) Seedling
	Sacramento C.S.	#3073 Seedling
	Northern CA C.S.	W-70 Seedling
	Modesto C.S.	W-70 Seedling

Dr. & Mrs. Daniel E. Nathan	1980	Santa Clara County C.S.	'Fragrant Frill'
Mr. & Mrs. John R. Comber		Sacramento C.S.	E40 Seedling
Mr. Thomas H. Perkins, III		Northern CA C.S.	Un-named Seedling
Dr. & Mrs. Fred Lee		Modesto C.S.	E40 Seedling
Mr. & Mrs. A. B. Cooper			
Mr. & Mrs. Gordon P. Howell	1981	Santa Clara County C.S.	J22(2) Seedling
Mr. & Mrs. R. C. Carter		Sacramento C.S.	W-70 Seedling
Mr. & Mrs. Bagby Hall		Northern CA C.S.	'Eleanor Holtzman'
Jackson Camellia Society		Modesto C.S.	'Kramer's Supreme'
Mr. Roy C. Stringfellow			
Mr. G. Stuart Watson	1982	Santa Clara County C.S.	L18(1) Seedling
Mr. John Geiser		Sacramento C.S.	'Kramer's Supreme'
Mrs. Frank V. Pursel		Northern CA C.S.	#503 Seedling
Mr. & Mrs. George N. Griffin		Modesto C.S.	'Nioi-Fubuki'
Mr. & Mrs. Howard E. Burnette		Santa Rosa C.S.	E40 Seedling
Dr. & Mrs. Hilery E. Hanna			
Mrs. Clyde X. Copeland	1983	Santa Clara County C.S.	'Cinnamon Cindy'
Mr. & Mrs. Herbert F. Segner		Sacramento C.S.	E40 Seedling
Mr. & Mrs. Ivan J. Mitchell		Northern CA C.S.	* L19(1) Seedling
Mr. F. F. Becker, II		Modesto C.S.	N5(1) Seedling
Mr. & Mrs. Bill Lovelace		Santa Rosa C.S.	'Kramer's Supreme'
Dr. & Mrs. Charles Thompson	1984	Santa Clara County C.S.	L19(1) Seedling
Mr. & Mrs. Hulyn Smith		Sacramento C.S.	N25(1) Seedling
Dr. & Mrs. Emil Carroll		Northern CA C.S.	M46(3) Seedling
Mr. Joseph H. Pyron		Modesto C.S.	'Nioi-Fubuki' Seedling
Mr. & Mrs. Ira E. Hefner		Santa Rosa C.S.	L19(1) Seedling
Judge & Mrs. Paul Harkey	1985	Santa Clara County C.S.	E40 Seedling
Mr. Tom L. Hoffman		Northern CA C.S.	L19(1) Seedling
Mr. & Mrs. Houghton S. Hall		Sacramento C.S.	'Salab' Seedling
Mr. & Mrs. W. F. Mann		Fresno C.S.	Unknown Seedling
Mr. William F. Barbish		Modesto C.S.	#69(2) Seedling
Mr. Clair S. Gothard		Atwater C.S.	M26(2) Seedling
Nuccio's Nurseries	1986	Santa Clara County C.S.	L19(1) Seedling
Mr. & Mrs. S. P. Dunn		Sacramento C.S.	'Scentuous'
Dr. & Mrs. D. Lyle Robertson		Northern CA C.S.	L19(1) Blush Seedling
Mrs. R. D. Hicks		Modesto C.S.	P62(1) Seedling
Mr. & Mrs. Henry S. Stone		Fresno C.S.	'Scentuous'
Mr. & Mrs. Robert J. Fowler			
Dr. & Mrs. Alvin E. Johnson			
Mrs. Hollis Oliver			
Mr. & Mrs. Lewis M. Fetterman			
Dr. & Mrs. Frank M. Houser			
Becky Torres Grafton, Moss Point, MS			
Mr. & Mrs. A. B. Cooper			
Mr. & Mrs. John R. Comber			
Mr. & Mrs. George N. Griffin			
Mrs. David R. Gregg, Jr., Denmark, SC			
Atlantic Coast Camellia Society			
Mrs. Maude V. Grimes, Raleigh, NC			
Atlantic Coast Camellia Society			
Mr. Douglas Deane Hall, Chevy Chase, MD			
Mr. & Mrs. W. J. Sette			
Mr. William P. Kemp			
Mr. & Mrs. John R. Comber			
Dr. & Mrs. C. W. Sprunt			
Atlantic Coast Camellia Society			
Mr. Thomas H. Perkins, III			
Mr. & Mrs. Paul W. Speicher			
Dr. C. David Scheibert			
Elizabeth B. Graham			
Mr. & Mrs. A. B. Cooper			
Dr. & Mrs. Fred Lee			
Mr. & Mrs. Michael W. Hotchkiss			
Dr. & Mrs. Alvin E. Johnson			
Col. (Ret.) R. D. Hicks, Ozark, AL			
(Died August 18, 1986)			
Mr. & Mrs. Gordon P. Howell			

The following is an alphabetical list of the winners of the fifty-three Awards for Fragrance during the past eleven years:

Ralph Bernhardt, Redwood City
 Steve Campbell, Sebastopol
 Bob Christopher, Sacramento
 Neely Downy, Sacramento
 Dave Feathers, Lafayette
 Art Gonos Family, Fresno

Kay and Ken Hallstone, Lafayette
 Woodford Harrison, Berkeley
 Jake Holtzman, Crows Landing
 Tony Pinheiro, Modesto
 Wilbur & Mary Anne Ray, Fresno
 Norm Thorp, Pleasant Hill
 Maurice Vervalle, Sacramento

* Seedling W-70 has been named 'Marna'
 Seedling L19(1) has been named 'Scented Sun'

ACS

FUTURE MEETINGS OF THE ACS

April 2-5, 1987

October 29-31, 1987

November 3-5, 1988

Thunderbird Motor Inn, Portland, OR

Fayetteville, NC

Fresno, CA

Camellias Registered with the ACS

Since the August 1986 Journal

Mrs. Milton H. Brown
 Dr. & Mrs. Daniel E. Nathan
 Mr. Joseph H. Pyron
 Mr. & Mrs. Ray Gentry
 Mr. & Mrs. E. Huly Smith
 Mrs. Clyde X. Copeland
 Dr. & Mrs. Hilery E. Hanna
 Col. & Mrs. Edwin L. Atkins
 Mr. & Mrs. G. F. Abendroth
 Mr. & Mrs. Carl M. Allen, Jr.
 Mr. Roy C. Stringfellow
 Dr. C. David Scheibert
 Mr. & Mrs. George N. Griffin
 Jean, John & Carol Comber
 Mr. & Mrs. William F. Mann
 Mrs. Charles C. Mason
 West Alabama Camellia Club
 Mr. & Mrs. Lewis M. Fetterman
 Dr. & Mrs. H. L. Berridge
 Mr. & Mrs. W. T. Shepherd
 Mr. Leslie P. Cawthon
 Mr. John T. Newsome
 Dr. & Mrs. J. M. Habel, Jr.
 Dr. & Mrs. Luther Baxter, Jr.
 Mr. Robert A. Sansing, Jr.
 Mr. & Mrs. Boynton Cole
 Mr. & Mrs. Thomas C. Evans
 Greenville Camellia Club
 Mr. Thomas H. Perkins, III
 Mr. F. F. Becker, II
 Mr. Thomas F. Troutman
Mr. William C. Jameson, Decatur, GA
 Mr. & Mrs. Walter L. Morris
 North Georgia Camellia Society
 Mr. Thomas F. Troutman
Mrs. Louis R. Jesse, Decatur, GA
 Mr. & Mrs. Walter L. Morris
 North Georgia Camellia Society
Mr. Albert King, Lakeland, FL
 Mrs. Walter A. Smith
Mrs. Charlotte Knox, Columbia, SC
 Atlantic Coast Camellia Society
Mrs. Paul Langford, Greenville, AL
 Greenville Camellia Society
 Mrs. R. D. Hicks
Mr. John Emsley Lee, III, Pelham, AL
 (Died September 30, 1986)
 Dr. & Mrs. Earl Beatty, Jr.
 Dr. & Mrs. Daniel E. Nathan
Mrs. Corinne Lindley, Panama City, FL
 Mrs. Milton H. Brown
Mr. Clyde A. Massey, Pensacola, FL
 Greenville Camellia Society
Mr. John Mendoza, Santa Clara, CA
 (Died August 3, 1986)
 Camellia Society of Santa Clara County
Mr. Lee R. Miller, Jacksonville, FL
 (Died September 22, 1986)
 Mr. & Mrs. William J. Boll
 Mr. & Mrs. Ivan J. Mitchell
 Camellia Society of North Florida
Mrs. O. E. McAllister, Shreveport, LA
 Mr. Roy C. Stringfellow
 Mr. & Mrs. W. F. Mann
Capt. John C. Nichols, Menlo Park, CA
 Mr. & Mrs. Harlow P. Rothert
 Peninsula Camellia Society
Mrs. Edith Price, England

Name and Description	ACS Registry Number	Originator
'Mae Robichaux,' very large, medium silvery pink semidouble to peony form <i>C. japonica</i> chance seedling, mid-season	2028	Ferol & Sam Zerkowsky
'Neon Tetra,' large, lavender-violet, single, <i>C. hybrid</i> (<i>C. reticulata</i> 'Crimson Robe' x <i>C. saluenensis</i> [PI 243862]), mid-season to late	2029	Dr. Wm. L. Ackerman
'H. C. Scott,' medium, deep pink with red stripes, formal double, <i>C. japonica</i> chance seedling, late	2030	Elizabeth R. Scott
'White Elf,' miniature, white with flushed pink margins, single, <i>C. hybrid</i> (<i>C. pitardii</i> var. [<i>C. pitardii</i> x <i>C. fraterna</i>] x <i>C. japonica</i> 'Fragrant Star'), mid-season to late	2032	Dr. Wm. L. Ackerman
'Snow Flurry,' small, white, anemone form, <i>C. hybrid</i> (<i>C. oleifera</i> x <i>C. hybrid</i> 'Frost Princess'), early	2033	Dr. Wm. L. Ackerman
'Pink Icicle,' small, shell pink, peony form, <i>C. hybrid</i> [(<i>C. x Williamsii</i> 'November Pink') x <i>C. oleifera</i>], mid-season	2034	Dr. Wm. L. Ackerman
'White Dragon,' very large, white, single, <i>C. japonica</i> ('Mrs. Bertha A. Harms' x 'Cherry Blossom'), late	2035	Dr. Wm. L. Ackerman
'Cream Puff,' large, chalky white, peony form, <i>C. japonica</i> ('Frost Queen' x 'White Butterfly'), mid-season	2036	Dr. Wm. L. Ackerman
'Mikey B.,' miniature to small, dark red, formal double, <i>C. japonica</i> chance seedling, mid-season	2037	Dr. J. Holtzman

CORRECTION:

Change description of 'Holly Bright,' ACS Reg. #2025 to the following:

'Holly Bright,' large, deep red, semidouble *C. japonica* chance seedling, mid-season 2025 Nuccio's Nurseries

Change designation from mutant to chance seedling for 'Misty Moon,' ACS Reg. #1681. Description should read as follows:

'Misty Moon,' small, light lavender pink, semidouble, *C. sasanqua* chance seedling, early to mid-season. Year of introduction: 1980. The 10-year old seedling first bloomed in 1977. Average size flower is 4" wide. Plant growth is upright, dense, rapid in rate, with dark green leaves measuring 1½" long and ¾" wide 1681 Nuccio's Nurseries

ACS

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Mr. Frank V. Pursel, Oakland, CA
 Mr. & Mrs. Houghton S. Hall
 Barbara & Steve Bogner
 Mr. & Mrs. Haig S. Ashuckian
 Mr. & Mrs. Harlow P. Rothert
 Louise B. Neal
 Janet & David Whitney
 Maurice & Dorothy Winslow
 Mr. & Mrs. Ralph E. Bernhardt
 Atlantic Coast Camellia Society
 Mr. & Mrs. Jack Lewis
 Mr. Thomas H. Perkins, III
 Mrs. C. O. Zagst
 Mr. & Mrs. Carl M. Allen, Jr.
 Mr. & Mrs. Howard E. Burnette
 Mr. & Mrs. Huly Smith
 Mr. & Mrs. Henry S. Stone
 Peninsula Camellia Society
 Mr. & Mrs. Robert J. Fowler
 Dr. & Mrs. Alvin E. Johnson
 Mr. & Mrs. L. M. Fetterman
Mrs. William C. Redd, Birmingham, AL
 (Died October 30, 1986)
 Mr. & Mrs. Ralph B. Davidson

Mrs. Milton H. Brown
 Mr. & Mrs. A. B. Cooper
 Mr. & Mrs. John R. Comber
 Mr. & Mrs. Carl M. Allen, Jr.
 Mr. & Mrs. George N. Griffin
 Dr. & Mrs. Fred Lee
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 Mr. & Mrs. C. T. Long
 Mr. & Mrs. Wm. R. Brewer
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 Mrs. R. D. Hicks
 Mr. Arthur L. Seaberg, Branford, CT
 Signe S. Post
 Mr. John N. Sewell, Jacksonville, FL
 Mrs. John N. Sewell
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 Mr. & Mrs. Wm. J. Boll
 Mrs. Vera Gaines White, Jacksonville, FL
 (Mother of Mrs. Marion S. Edwards)
 Mr. & Mrs. Ivan J. Mitchell
 Mrs. Milton H. Brown
 Mr. & Mrs. W. T. Shepherd
 Mr. Curtis T. Williams, Birmingham, AL
 Greenville Camellia Society
 Mr. James Leitch Wright, Tallahassee, FL
 Dr. & Mrs. Daniel E. Nathan
 Mrs. Milton H. Brown
 Mrs. L. V. Teeter

Baxter and Hulyn Smith. A video tape of the dedication of the Japanese Garden at the Headquarters was shown by W. C. Wyatt.

On Friday members were treated to a lovely camellia show at the Wright Place. Members and visitors were amazed at the quality and quantity of early blooms. Later each guest had the opportunity to visit in a private home for dinner.

Saturday afternoon found members making hard choices. Six interesting tours were planned and it was a difficult decision as to which tour to choose . . . local greenhouses, the Zoo, Seville Square for shopping, tissue culture plants, Naval Aviation Museum or Fort Pickens. The Saturday night banquet was the climax to an outstanding convention. After a delicious dinner in lovely surroundings, fine entertainment and farewells, members found themselves wondering if we can again come to Pensacola for an ACS convention. They've hosted three — how about a fourth?

Much business was accomplished by both the Board of Directors of the ACS and the Board of Directors of the Endowment Fund. Some of the highlights were: With Abendroth presiding, the ACS Board of Directors elected Dr. David Scheibert as Assistant Director/Editor as of July 1, 1987. Mr. William Redd was elected as Director of Alabama to fill the

ACS

Highlights of Pensacola Revisited

Applause! Applause! should have been the theme for the ACS meeting hosted by the forty-nine year old Men's Camellia Club, Inc. of Pensacola. From the moment we entered the City of Five Flags until we headed home on Sunday, the hospitality offered by these men and their ladies was outstanding. Checking in at the Lenox Inn was swift and the next stop was at the Hospitality Room where we picked up schedules and greeted old friends and met new ones. The Hospitality Room was open continuously and friends could gather for the second cup of coffee, snacks and good conversation.

Dr. and Mrs. Birdwell, assisted by local members, were hosts to the members for dinner on Thursday evening. It was a treat to visit in the lovely home of the Birdwells and enjoy such spectacular food. Imagine having one large table filled with delectable desserts as well. Members had the opportunity to see Dr. Birdwell's greenhouse filled with *C. chrysantha*.

President of Pensacola Club, John Davy appointed Captain George Anderson as convention chairman. This was an excellent choice because all events progressed as planned under his capable leadership. He was ably assisted by Robert Bothfeld, show chairman; Robert Hill, judge chairman and Jack Wetherell, transportation. Members of the club assisted in all areas including the distaff side.

Each club and the ACS was presented with a booklet which had been compiled by Richard Michael outlining the secrets of success of this outstanding club. This booklet also included the constitution, by-laws, detailed duties of the officers, functions of all committees and how to plan the staging of a camellia show. Although it did not contain a plan for hosting an ACS convention, it might well have. Pensacola has been host three times. Also included in the excellent educational program was Dr. Luther



Bob Sansing presents an award to John Davy, president of Men's Camellia Club of Pensacola as ACS President Ab Abendroth applauds. Courtesy of Dr. David Scheibert

unexpired term of Col. R. D. Hicks, deceased.

With chairman Stuart Watson presiding, the Endowment Fund Board of Directors voted the following: \$500.00 to be given to the Southern California Camel-

lia Society to help defray cost of printing the nomenclature; \$1500.00 to Dr. Luther Baxter for research at Clemson University; \$1500.00 to Dr. Clifford Parks for his research at the University of North Carolina and \$1000.00 to Dr.

William L. Ackerman for his research on cold hardy plants. On recommendation of Dr. James Habel, Jr., nominating committee chairman, the following were elected to the Board of Directors of the Endowment Fund: Mrs. Robert Kolodney, Class of 1987, Mr. G. F. Abendroth, Class of 1988 and Mr. F. F. Becker, Class of 1989.

ACS

Additional Judges Appointed

FLORIDA

Edgewater:

Robert L. Harmon (Novice)

Tallahassee:

Robert W. McVety (Novice)

Mrs. Robert W. McVety (Novice)

GEORGIA

Fort Valley:

Michael Hotchkiss (Novice)

Betty Hotchkiss (Novice)

C. Warren Thompson (Novice)

Cheryl L. Thompson (Novice)



Ready for the banquet at the Naval Museum in Pensacola is Nell Watson, June Atkins and Annabelle Fetterman. Photo — Courtesy of Dr. David Scheibert

The great possibility of producing *Golden Camellia Hybrid*

Rare yellow camellia species

- ★ C. CHRYSANTHA var. TSUYAMA
- ★ C. C. var. MICROCARPA
- ★ C. EUPHLEBIA

grafted, 40cm high US \$ 45.00 each
grafted, 60cm high US \$135.00 each
3 plants, one of each. 40cm high US \$130.00

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Rare Purple Camellia

- ★ SENNEN FUJI MURASAKI

This variety was founded in 1982 by Mr. SENNEN MATSMOTO. Pure violet purple, medium sized single, trumpet form. Vigorous and busy growth habit. An excellent color you have never seen like this.

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CHANGING OLD HABITS

(To Break or Not to Break the Tap Root)

WILLIAM L. ACKERMAN

It has been a standard practice for many years to break the tap root of young seedlings when they are transplanted from the germination flat to pots for growing on. This practice is essential for development of the spreading root systems desired for container grown plants. Where this is not done, the tap root quickly grows down to the bottom of the pot where it flattens out and frequently will begin to grow in a circular pattern around the bottom. In severe cases, the primary root system may actually strangle itself in its own tight convolutions. The result is a stunted plant which even when given root freedom rarely grows properly. Thus, there can be little dispute that the technique of breaking the tap root is a good one for CONTAINER GROWN PLANTS. However, there are situations when this system appears to be detrimental to survival.

Camellias by nature are tap rooted plants. One only has to germinate a few seed to become very much aware of this. Prior to sending up a shoot above ground, a germinating seed will send a tap root down and this may be 6 inches long, or more, before the first leaves unfold. Mother nature certainly had a reason for this. Growing in the wild, camellias must compete with other plant life and survive under less than ideal growing conditions. The establishment of a deep tap rooted system provides some assurances to the young plant for an adequate supply of moisture to sustain growth of the upper portion of the plant. This is especially essential for broad leaved evergreen plants, such as camellias, that have limited control of transpiration. Thus, a deep tap root provides the plant with the means to withstand adverse climatic and soil conditions including drought, and severe changes in temperature. By altering the camellias root system we have molded the camellia plant to the convenience of container culture with a resulting compromise on the plant's survival

ability.

Last year I decided to test a theory that seedlings whose tap roots were allowed to develop normally would have greater survival capacity (cold-hardiness, drought and heat tolerance) than comparable seedlings whose tap roots were broken in the accepted manner.

An experiment involving two seed lots, (a) *C. japonica* 'Mrs. Bertha A. Harms' open pollinate (O.P.) and (b) *C. oleifera* O.P. was used to test the theory. A frame (Fig. 1) holding 36 tapered tubes 4" square at the top and 14" deep, open bottomed with glass wool retainer was used for unbroken tap root seed germination. One half (18) of the containers were planted to seed lot (a) and one half to seed lot (b). Two seeds were planted in each container. Where both germinated, the weaker of the two was removed before it was one inch tall. A standard seed flat was used for growing seedlings of the two seed lots. Here, the tap roots were broken at about 3" when they were transplanted from the flats to 4" pots.

Both groups of plants were grown in a greenhouse during the winter of 1985-86 and one-half of each lot was planted out in late spring of 1986. At that time the tap roots on many of the plants in 14" tubes were showing through the fiberglass retainers at the bottom of the tubes. Planting of these was done with a post hole digger. The other half of the plants continue to be grown on in the greenhouse and will be planted out next spring when they have attained better size.

Although the primary purpose of the experiment was to ascertain the value of growing tap rooted seedlings for greater cold hardiness, the summer of 1986 provided some interesting observations. Gardeners in the Southeastern and the mid Atlantic states probably suffered one of the most devastating droughts in decades. Plants that were not watered regularly suffered badly. Even shallow rooted trees such as Dogwoods and Birch suffered premature leaf drop. Observations of the two camellia seedling groups disclosed that those with the unbroken tap root required less watering, developed new growth sooner, were more vigorous, and did not flag and droop as did those plants whose taproot had been broken. All in all, the tap rooted plants were more adaptable to fluctuations in climatic and soil conditions. It will be interesting to see how these plants compare in their winter hardiness.



FIGURE 1. Frame holding 36 tapered tubes 4" square at the top and 14" deep.

Show Reports

(Reports of ACS Cooperative Shows. In each report, the word *C. reticulata* includes 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.)

FLORIDA

FORT WALTON BEACH, November 29, 1986
(6th Annual)

Sponsor: Fort Walton Camellia Society
Number Blooms Displayed: 547. Attendance: 450.
Most Outstanding Bloom: 'Harold L. Paige', Jim Newell

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Large-Very Large: 'Snowman', Jim Newell
Runner-up: 'Helen Bower', Jim Newell
Medium: 'Betty Sheffield Supreme', Mr. & Mrs. C. C. Crutcher

Runner-up: 'Margaret Davis', Mr. & Mrs. C. C. Crutcher

Small: 'Little Babe Var.', Jim Newell

Runner-up: 'La Peppermint', Mrs. E. W. Horton, Jr.

Miniature: 'Fircone Var.', Mr. & Mrs. C. C. Crutcher

Runner-up: 'Little Slam Var.', Jim Newell

C. reticulata:

Best Bloom: 'Harold L. Paige', Mr. & Mrs. R. F. Jeffares

Runner-up: 'Valentine Day Var.', Mr. & Mrs. R. F. Jeffares

C. hybrid:

Best Bloom: 'Julia Var.', Mr. & Mrs. C. C. Crutcher

Runner-up: 'Freedom Bell', Jim Newell

C. sasanqua:

Best Bloom: 'Star Above Star', Jim Newell

ACS GOLD CERTIFICATE:

Jim Newell

ACS SILVER CERTIFICATE

Mr. & Mrs. C. C. Crutcher

Novice Class:

Best Bloom: 'Mathotiana', Mr. & Mrs. Martley F. Mellow

Runner-up: 'Prince Eugene Napoleon', Mr. & Mrs. Martley F. Mellow

Best Seedling: 'Snow Bird', John Terry

Number of ACS Memberships Sold: None.

PENSACOLA, November 7, 1987 (46th Annual)
Sponsor: Men's Camellia Club, Inc.

Number Blooms Displayed: 773. Attendance: 500
Most Outstanding Bloom: 'Mathotiana Supreme', Jim Newell

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

Large-Very Large: 'Tomorrow Park Hill', Jim Newell

Medium: 'Funny Face Betty', Edwin W. Horton, Jr.

Small: 'Kiku-Toji', Mr. & Mrs. Bob Gramling

Miniature: 'Man Size', Jim Newell

C. reticulata:

Best Bloom: 'Harold L. Paige Var.', C. C. Crutcher

C. hybrid:

Medium-Large: 'Mona Jury Var.', Jim Newell
Miniature-Small: 'Spring Festival', R. H. Leonard

C. sasanqua:

Best Bloom: 'Sparkling Burgundy', Irwin Roberts
ACS GOLD CERTIFICATE:

Jim Newell

ACS SILVER CERTIFICATE:

Mr. & Mrs. Bob Gramling

Best White: 'Campari White', C. C. Crutcher

Novice Class:

Large-Very Large: 'Mathotiana Supreme', Jack Wetherell

Medium: 'Betty Sheffield Var.', Carl Schumann
Sweepstakes: Carl Schumann

Number of ACS Memberships Sold: Seven.

TALLAHASSEE, November 22, 1986 (37th Annual)

Sponsor: The Camellia & Garden Club of Tallahassee

Number Blooms Displayed: 1020.

Most Outstanding Bloom: 'Valentine Day Var.', Mr. & Mrs. W. F. Mathis

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Tiffany', David Lang

Medium: 'Alba Plena', Warren Culp

Small: 'Wilamina', Mr. & Mrs. Henry Lunsford

Miniature: 'Something Beautiful', Mr. & Mrs. Henry Lunsford

C. japonica: (Under Glass)

Large-Very Large: 'Tomorrow Park Hill', Jim Newell

Medium: 'Tamsin Coull', Mr. & Mrs. Bob Gramling

Small: 'Little Babe', Jim Newell

Miniature: 'Little Slam Var.', Jim Newell

C. reticulata:

Unprotected: 'Valentine Day Var.', Mr. & Mrs. Roger Fuller

Protected: 'Arcadia', Jim Newell

C. hybrid:

Best Bloom: 'Debbie', Jim Newell

ACS GOLD CERTIFICATES:

In Open: T. E. Lundy

Under Glass: Jim Newell

ACS SILVER CERTIFICATES:

In Open: Mr. & Mrs. Bob Gramling

Under Glass: Dr. & Mrs. W. F. Mathis

Best Seedling: #357, Walter F. Homeyer

Novice Class:

Large: 'Mathotiana', Mrs. Paul McGaully

Medium: 'Anne Curtis', Wallace L. McLeod

Small: 'Dr. Swartz', Lillian Cox

Number of ACS Memberships Sold: Seven.

GEORGIA

FORT VALLEY, November 1-2, 1986 (14th Annual)

Sponsor: Middle Georgia Camellia Society

Number Blooms Displayed: 427. Attendance: 2000

Most Outstanding Bloom: In Open — 'Tiffany', G. F. Abendroth; Under Glass — 'Tomorrow Park Hill', James A. Newell

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STA-GREEN
The Professional's Choice.

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ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Granada', G. F. Abendroth

Medium: 'Elizabeth LeBey', Earl Beatty

Small: 'Ave Maria', Frank Jamison

C. japonica: (Under Glass)

Large-Very Large: 'Tomorrow Var.', James A. Newell

Medium: 'Diddy's Pink Organdie', John T. Newsome

Small: 'Little Susie', Elliott P. Brogden

C. reticulata:

Best Bloom: 'Dr. Clifford Parks', G. F. Abendroth

C. hybrid:

Best Bloom: 'Debbie', John T. Newsome

C. sasanqua:

Best Bloom: 'Shishi-Gashira', James A. Newell

ACS GOLD CERTIFICATE:

Mr. & Mrs. Bob Gramling

ACS SILVER CERTIFICATE:

Mr. & Mrs. Jack Teague

ACS OUTSTANDING ARRANGEMENT CERTIFICATES:

Tri-Color: Jackie Noll

Creativity: Cookie Rowland

Best Miniature: 'Little Slam Var.', James A. Newell

Best White: 'Ivory Tower', Wm. C. Robertson

Best Seedling: #290, Walter Homeyer

Number of ACS Memberships Sold: Four.

VALDOSTA, November 15-16, 1986 (22nd Annual)

Sponsor: Valdosta Camellia Society

Number Blooms Displayed: 637.

Most Outstanding Bloom: 'Carter's Sunburst', Jim Newell

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large: 'Carter's Sunburst Pink', Stephen K. Myers

Medium: 'Magic City', Mr. & Mrs. W. J. Boll

Small: 'Little Babe', T. E. Lundy

Miniature: 'Little Slam', Henry Lunsford

C. japonica: (Under Glass)

Large: 'Tomorrow Park Hill', Jim Newell
 Medium: 'Fran Mathis', Frank Jamison
 Small: 'Little Babe', Jim Newell
 Miniature: 'Man Size', Jim Newell
C. reticulata:
 In Open: 'Valentine Day', Henry Lunsford
 Under Glass: 'Mouchang', Jim Newell
C. hybrid:
 In Open: 'Julia', Mr. & Mrs. W. J. Boll
 Under Glass: 'Mary Phoebe Taylor', John T. Newsome

ACS GOLD CERTIFICATE:

Jim Newell

ACS SILVER CERTIFICATE:

Bob Gramling

Number of ACS Memberships Sold: None.

WAYCROSS, November 19-20, 1986 (37th Annual)

Sponsor: Trust Bank & Waycross Garden Club Council

Number Blooms Displayed: 405. Attendance: 350.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

In Open: 'Helen Bower', Stephen K. Myers

Runner-up: 'Carter's Sunburst', Mrs. C. W. Barfield

Under Glass: 'Angel Kroman', Mr. & Mrs. Marvin Jernigan

C. reticulata:

Best Bloom: 'Dr. Clifford Parks', Mrs. C. W. Barfield

Runner-up: 'Dr. Clifford Parks Var.', Mr. & Mrs. Marvin Jernigan

C. hybrid:

Best Bloom: 'Tamsin Coull', Marla Holland

ACS GOLD CERTIFICATE:

O. L. Jacobson

ACS SILVER CERTIFICATE:

Marla Holland

ACS PROVISIONAL COMMENDED SEEDLING CERTIFICATE:

C. reticulata, Mr. & Mrs. Marvin Jernigan

Number of ACS Memberships Sold: None.

LOUISIANA

SLIDELL, December 6-7, 1986 (36th Annual)

Sponsor: Ozone Camellia Club

Number Blooms Displayed: 1300. Attendance: 1000.

Most Outstanding Bloom: In Open: 'Valentine Day Var.', John L. Rogers; Under Glass: 'Tomorrow Park Hill', Jim Newell

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

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

Medium: 'Desire', Mr. & Mrs. H. S. Stone

Small: 'Grace Albritton', John L. Rogers

Miniature: 'Little Slam', Charles Gaiennie

C. japonica: (Under Glass)

Large: 'Tomorrow Park Hill', Jim Newell

Medium: 'Gloria Nan', Mr. & Mrs. R. F. Jeffares

Small: 'Little Babe', Jim Newell

Miniature: 'Man Size', Jim Newell

C. reticulata:

Best Bloom: 'Valentine Day Var.', John L. Rogers

C. hybrid: (In Open)

Large: 'Waltz Dream', John L. Rogers

Small-Medium: 'Cinnamon Cindy', Dr. & Mrs.

Alvin Johnson

C. hybrid: (Under Glass)

Large: 'Elsie Jury', Jim Newell

Small-Medium: 'Julie', Jim Newell

ACS GOLD CERTIFICATES:

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

Under Glass: Jim Newell

ACS SILVER CERTIFICATES:

In Open: John L. Rogers

Under Glass: John L. Rogers

Number of ACS Memberships Sold: None.

SOUTH CAROLINA

CHARLESTON, November 2, 1986

Sponsor: Magnolia Plantation & Gdn. & Coastal

Carolina Camellia Society

Number Blooms Displayed: 622. Attendance: 150.

ACS OUTSTANDING BLOOM CERTIFICATES

C. japonica:

In Open: 'Helen Bower', Parker E. Connor, Jr.

Runner-up: 'Marie Brace', Mr. & Mrs. Bill Shepherd

Under Glass: 'Tomorrow Park Hill Pink', G. M. Serpas

Runner-up: 'Tomorrow Park Hill', G. M. Serpas

C. reticulata:

Best Bloom: 'Massee Lane', Marla Holland

C. hybrid:

Best Bloom: 'Mona Jury', Mr. & Mrs. Oliver Mizzell

ACS GOLD CERTIFICATES:

In Open: Parker E. Connor, Jr.

Under Glass: G. M. Serpas

ACS SILVER CERTIFICATES:

In Open: Lib Scott

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

Best White, In Open: 'Mary Alice Cox', Mr. & Mrs. Bill Shepherd

Best White, Under Glass: 'Gus Menard', Mr. & Mrs. Oliver Mizzell

Best Novice Bloom: 'Don Mac', Melissa Foxworth

Number of ACS Memberships Sold: None.

CHARLESTON, November 15-16, 1986 (23rd Annual)

Sponsor: 1st Federal and Coastal Carolina Camellia Society

Number Blooms Displayed: 668. Attendance: 300.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

In Open: 'Tomorrow's Dawn', Mr. & Mrs. W. C. Robertson

Runner-up: 'Ville de Nantes', Lib Scott

Under Glass: 'Easter Morn', Mr. & Mrs. Fred G. Hahn, Jr.

Runner-up: 'Mrs. D. W. Davis Descanso', Mr. & Mrs. Mack McKennon

C. reticulata:

In Open: 'Forty-Niner', Marla Holland

Under Glass: 'Jean Pursel', Joe Austin

C. hybrid:

In Open: 'Anticipation', Parker E. Connor, Jr.

Under Glass: 'Elsie Jury', Mr. & Mrs. Oliver Mizzell

ACS GOLD CERTIFICATES:

In Open: Parker E. Connor, Jr.

Under Glass: Mr. & Mrs. Jack Teague

ACS SILVER CERTIFICATES:

In Open: Lib Scott

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

Number of ACS Memberships Sold: None.

COLUMBIA, October 25-26, 1986

Sponsor: Mid-Carolina Camellia Society

Number Blooms Displayed: 620. Attendance: 20,000

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica (In Open)

Large-Very Large: 'Betty Sheffield Blush Supreme', Mrs. Elizabeth Scott

Runner-up: 'Tomorrow Crown Jewel', Mr. & Mrs. Gus Dubus

Small-Medium: 'Campari', Mr. & Mrs. Gus Dubus

Runner-Up: 'Debutante', Mr. & Mrs. Parker E. Connor, Jr.

C. japonica: (Under Glass)

Large-Very Large: 'Miss Charleston Var.', Mr. & Mrs. G. M. Serpas

Runner-up: 'Mathotiana Supreme', W. Gist Duncan

Small-Medium: 'Margaret Davis', Mr. & Mrs. Fred Hahn

Runner-up: 'Harriet Bisbee', Mr. & Mrs. G. M. Serpas

C. reticulata:

Best Bloom: 'Mouchang', C. T. Freeman

Runner-up: 'Dr. Clifford Parks', Mr. & Mrs. Jack Teague

C. hybrid:

Best Bloom: 'Elsie Jury', Mr. & Mrs. Jack Teague

Runner-up: 'Elsie Jury', Mr. & Mrs. Oliver Mizzell

ACS GOLD CERTIFICATES:

In Open: Parker E. Connor, Jr.

Under Glass: Mr. & Mrs. Jack Teague

ACS SILVER CERTIFICATES:

In Open: Mrs. Elizabeth Scott

Under Glass: Mr. & Mrs. Oliver Mizzell

Best White, In Open: 'Allie Habel', Mr. & Mrs. Gus Dubus

Best White, Under Glass: 'Gus Menard', Mrs. J. C. Bickley

Best Miniature: 'Baby Pearl', Mr. & Mrs. Lewis Fetterman

Runner-up: 'Bonbon', Mr. & Mrs. Elliott Brogden

Best Novice Bloom: 'September Morn', G. E. Smith

Number of ACS Memberships Sold: None.

GREENWOOD, October 18-19, 1986 (11th Annual)

Sponsor: West Carolina Camellia Society

Number Blooms Displayed: 322.

Most Outstanding Bloom: 'Tiffany', Lib Scott

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica:

In Open: 'Helen Bower', Parker E. Connor, Jr.

Under Glass: 'Miss Charleston Var.', Mr. & Mrs. Jack Teague

C. reticulata:

Best Bloom: 'Dr. Clifford Parks', Elliot P. Brogden

C. hybrid:

Best Bloom: 'Anticipation', Mr. & Mrs. Jack Teague

ACS GOLD CERTIFICATES:

In Open: Parker E. Connor, Jr.

Under Glass: Mr. & Mrs. Jack Teague

ACS SILVER CERTIFICATES:

In Open: Lib Scott



A very special beginning for the Ozone Camellia Show weekend is the luncheon on Friday at the home of John Geiser, Slidell, LA. These judges enjoyed the gracious hospitality of our host. Photo — Courtesy of Dr. David Scheibert

Under Glass: Mr. & Mrs. Mack McKinnon
Best Miniature: 'Little Slam', Parker E. Connor, Jr.
Number of ACS Memberships Sold: None.

TEXAS

HOUSTON, December 6-7, 1986 (29th Annual)
Sponsor: Houston Camellia Society
Number Blooms Displayed: 525. Attendance: 159.
ACS OUTSTANDING BLOOM CERTIFICATES:
C. japonica: (In Open)

Large-Very Large: 'Pirate's Gold Var.', A. O. Johnson

Runner-up: 'Tomorrow's Dawn', S. P. McMurray
Medium: 'Betty Sheffield Supreme', D. P. Boudreaux

Runner-up: 'Charlotte Bradford', D. P. Boudreaux

Small: 'Pink Perfection', H. Norsworthy

Runner-up: 'Buddy Var.', W. F. Mann

Miniature: 'Man Size', Kermit Agee

Runner-up: 'Little Michael', A. O. Johnson

C. japonica: (Under Glass)

Large-Very Large: 'Tomorrow Park Hill', E. Carroll

Runner-up: 'Carter's Sunburst', W. O'Rourke

Medium: 'Diddy's Pink Organdie', E. Carroll

Runner-up: 'Margaret Davis', Ethyl Worley

Small: 'Ave Maria', T. Weeks

Runner-up: 'Little Ginger', R. C. Stringfellow

Miniature: 'Hopkins Pink', David Rubin

Runner-up: 'Little Red Ridinghood', E. Carroll

C. reticulata:

In Open: 'Valentine Day', D. P. Boudreaux

Runner-up: 'Dr. Clifford Parks', W. M. Wheless

Under Glass: 'Dr. Clifford Parks', W. O'Rourke

Runner-up: 'Dr. Clifford Parks Var.', A. O. Johnson

C. hybrid:

In Open: 'Charlean', H. Norsworthy

Runner-up: 'Charlean', S. Hoover

Under Glass: 'Julie', A. O. Johnson

Runner-up: 'Mona Jury', A. O. Johnson

C. sasanqua:

Best Bloom: 'Showa-No-Sakae'

ACS GOLD CERTIFICATES:

In Open: D. P. Boudreaux

Under Glass: A. O. Johnson

ACS SILVER CERTIFICATES:

In Open: H. Showalter

Under Glass: R. C. Stringfellow

Number of ACS Memberships Sold: None.

NACOGDOCHES, November 1, 1986

Sponsor: Texas Camellia Society

Number Blooms Displayed: 215. Attendance: 100.

ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Mathotiana', Dudley P. Boudreaux

Medium-Large: 'Nuccio's Gem', Kermit Agee

Medium: 'Nuccio's Jewel', Dr. Pat McMurray

Miniature-Small: 'Pink Perfection', Floyd Akin

C. japonica: (Under Glass)

Large-Very Large: 'Cay McKenzie', Alfus Johnson

Medium-Large: 'Rachel Tarpy', Alfus Johnson

Medium: 'In The Pink', John Selover

Miniature-Small: 'Tammia', Floyd Akin

C. hybrid:

Best Bloom: 'Taylor's Perfection', Dr. Pat McMurray

C. sasanqua:

Best Bloom: 'Star Above Star', Alfus Johnson

ACS GOLD CERTIFICATES:

In Open: L. H. Reese

Under Glass: Floyd Akin

ACS SILVER CERTIFICATES:

In Open: Dudley P. Boudreaux

Under Glass: Alfus Johnson

Number of ACS Memberships Sold: None.

PORT ARTHUR, November 22, 1986 (30th Annual)

"Schultz-Instant"
ULTRA PURE CONCENTRATED ALL PURPOSE
LIQUID PLANT FOOD

EASY DIRECTIONS
"7 drops per quart water
Every time you water,
Everything you grow."

Available at your store or send:
\$1.85 for 5½ oz., \$3.20 for 12 oz.,
\$4.70 for 28 oz. (Includes Mailing.)

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ULTRA PURE CONCENTRATED ALL PURPOSE
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EASY DIRECTIONS
"¼ teasp. per gal. water
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Everything you grow."

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\$3.20 for 1 lb., \$12.50 for 5 lb.,
\$46.00 for 25 lb. (Includes Mailing.)
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Sponsor: Southeast Texas Camellia Society
Number Blooms Displayed: 464. Attendance: 1500.
ACS OUTSTANDING BLOOM CERTIFICATES:

C. japonica: (In Open)

Large-Very Large: 'Woodville Red', Dudley P. Boudreaux

Medium-Large: 'Betty Sheffield Silver', Dudley P. Boudreaux

Miniature-Small: 'Grace Albritton', Dudley P. Boudreaux

C. japonica: (Under Glass)

Large-Very Large: 'Silver Cloud', Alfus Johnson

Miniature-Small: 'Man Size', Dr. S. P. McMurray

C. hybrid:

In Open: 'Julie', Harold Showalter

Under Glass: 'Mona Jury Var.', Alfus Johnson

ACS GOLD CERTIFICATES:

In Open: Dudley P. Boudreaux

Under Glass: Alfus Johnson

ACS SILVER CERTIFICATES:

In Open: Hyman Norsworthy

Under Glass: S. P. McMurray

Number of ACS Memberships Sold: None.

—ACS—

SPECIAL GIFTS

(As of December 30, 1986)

Mr. & Mrs. William T. Shepherd: Paper camellias sold at the Norfolk Meeting and 30 more for Masee Lane Gift Shop.

Fort Valley Garden Center: 375 potted chrysanthemum plants for garden and greenhouse.

Mrs. William B. Johnston: Contribution to ACS Endowment Fund.

Mr. & Mrs. Fred B. Mayo: Contribution honoring Dr. Daniel E. Nathan.

Mr. & Mrs. G. F. Abendroth: Contribution honoring Ann Brown, the Earl Beattys, the Warren Thompsons, Frank Smisson and W. C. Wyatt.
Betty Hotchkiss: Honorarium for Valdosta Camellia Society program.

Mr. & Mrs. Douglas Deane Hall: Gift of 625 shares of Freeport McMoRan common stock to Society.

Mr. & Mrs. G. F. Abendroth, Mrs. Milton H. Brown, Dr. & Mrs. Earl Beatty, Jr. and Dr. & Mrs. Daniel E. Nathan: Contributions wishing a speedy recovery to Spencer Walden.

Jim Smith: 100 camellia plants for garden and greenhouse.

Estate of Jay W. Ellis: Contribution to ACS Endowment Fund.

Dr. & Mrs. Daniel E. Nathan and Mrs. Milton H. Brown: Contributions honoring the Reverend Charles A. Robinson's 20th year at St. Andrew's Episcopal Church, Fort Valley, GA.

Mr. & Mrs. Ray Gentry: Original plant of 'Fortieth Anniversary'.

Dr. & Mrs. Daniel E. Nathan and Mr. Robert A. Sansing, Jr.: Contributions given with a "Hope you're feeling better" wish for G. F. Abendroth and Roy C. Stringfellow.

T. R. Pratt: Camellia Books

Mrs. John N. Sewell: Camellia Books

Mr. & Mrs. Henry A. Stone: Contribution in honor of Mrs. Elvige Elmer.

Mr. & Mrs. W. F. Freshwater: Contribution to help have library catalogued.

Estate of Mr. Otto Hoch: Contribution to ACS Endowment Fund as listed in Mr. Hoch's will.

Col. Albert S. Britt, Jr.: Contribution to ACS Endowment Fund.

Mrs. Milton H. Brown: Contribution wishing a speedy recovery to William T. Shepherd.

Mr. & Mrs. Frank D. Jamison: Contribution to ACS Endowment Fund.

Tom Dodd Nurseries: 469 garden plants — rhododendrons, azaleas, camellias.

Mr. Gordon Freesman: Boehm porcelain sculptures "Great White Egret" and "Brown Pelican".

Mr. William A. Fishback: Thirty-five Boehm porcelain sculptures.

—ACS—

40th Anniversary Campaign

(As of December 17, 1986)

The following have made pledges or contributed to the Campaign since the November 1986 *Journal*.

Greenville Camellia Society (Alabama)

Mrs. J. R. Hentschel

Mrs. Curtis T. Henson

Dr. Lewis H. Horton, Jr.

Mr. & Mrs. E. N. Kimes

Mr. & Mrs. Donald R. Martin

Judge Henry J. Broderick

Camellia Society of Santa Clara Co. (Calif.)

Mr. & Mrs. L. Jack Lewis

Camellia Society of North Florida

Robert A. Sansing

O. L. Jacobson

Mr. & Mrs. John R. Comber

Estate of Jay W. Ellis

Mr. & Mrs. James H. Smith

Mr. & Mrs. B. B. Ratliff

Dr. G. Wayne Bohanan

Mrs. Eugene Cypert

Mr. & Mrs. William R. Brewer

Mr. & Mrs. Joseph P. Luce

Stephen K. Myers

Dr. Frank M. Houser

Mary, Jeff & Lisa Beasley

Mrs. Monroe Tharpe

North Georgia Camellia Society

Mr. & Mrs. J. M. Lacy

Mrs. Robert P. Hatcher

Walter Krzymowski

C. Allen Favrot

Mr. & Mrs. R. F. Jeffares

Dr. & Mrs. D. Lyle Robertson

Mr. & Mrs. C. B. Goodson

Jackson Camellia Society (Mississippi)

Mrs. Thomas S. Clower

Dr. & Mrs. Clifford R. Parks

Mr. & Mrs. Fred Mayo

Mr. & Mrs. L. M. Fetterman

Fred G. Hahn, Jr.

Mid-Carolina Camellia Society (S. Carolina)

Dr. & Mrs. Herbert Racoff

Mr. & Mrs. W. T. Shepherd

Mrs. F. D. Owens, Sr.

Mary Page Seibels

John Page Seibels

W. Gist Duncan, Jr.

Mr. & Mrs. M. S. McKinnon

Evelyn T. Chace

Mr. & Mrs. P. O. Fairchild

Mr. & Mrs. A. B. Cooper

John G. Fairey

Mr. & Mrs. Alfus O. Johnson

Mr. & Mrs. Boyd McRee

Gregory E. Davis

William A. Barbish

Clair S. Gothard

Gordon P. Howell

Estate of Otto Hoch

Dr. Kenzo Iriyama

—ACS—

Sustaining/Joint Sustaining 1987

Mr. Emanuel Abbott, Laguna Hills, CA

Mr. & Mrs. Alfred T. Airth, Live Oak, FL

Mr. Henry C. Aldrich, Gainesville, FL

Mr. & Mrs. H. H. Avery, Morganton, NC

Mr. A. J. Bartolini, Beaufort, SC

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Rules for Registering New Camellia Cultivar Approved

On recommendation of the Varietal Registration Committee, the Governing Board of the American Camellia Society unanimously approved the following regulations for registering new camellia cultivars at its meeting on November 6, 1986 in Pensacola, FL.

1. It is mandatory that all new registrations which are to be listed in future editions of CAMELLIA NOMENCLATURE must come through the A.C.S. Varietal Registration Committee.
2. It is mandatory that *two color slides* must be submitted of each new cultivar at the time the application to register is submitted.
3. It is mandatory that any cultivar under consideration must have been blooming for at least four years prior to the request for registration. This might eliminate the future changes which are often made in bloom size and bloom period.

4. It is mandatory that any sport or mutant to be registered must have been propagated on its own or on grafted understock for a period of

at least five years to determine whether or not it will hold before making an application to register the cultivar.

ACS

Managing Soil and Root Ecology in The Garden*

MARTIN F. STONER, Ph.D.
Professor and Plant Pathologist
California State Polytechnic
University, Pomona

Introduction

Healthy gardens require an "integrated" approach to proper culture by planning ahead you can enjoy the benefits of many cultural advantages.

Selecting A Site for Purchase and/or Use

1. Survey gardens in the immediate vicinity, look for familiar/desirable plants and examine their color, stature, and overall condition.
2. Use a shovel and your hands and examine the soil here and there to determine character and variability on the site. Watch for indications of fill, compaction, contamination, etc.
3. Dig one or more pits to a depth of about one foot, fill with water and examine drainage time.
4. If any doubts exist, secure a soil analysis including N, P, K, E.C., pH, organic matter, lime content, type-texture, and interpretations and recommendations for stated or projected use. Where serious doubts exist, perhaps a more extensive mineral analysis and a phytotoxicity or plant growth test might be in order.
5. Secure any available information on your area available from developer, former owner, or county agricultural agent.

Selecting Plant Material — A MOST CRUCIAL STEP

1. Plan ahead.
2. Consider all available information/

recommendations on appropriate plants for site, compatible plants, disease susceptibilities, etc.

3. Obtain plants from reputable sources.
4. Always insist on healthy (pathogen free) plants. Examine plants before purchase (including root ball examination, stability in container, overall appearance). Reject sub-standard or sick plant material.
5. For large landscape/expensive projects, obtain consultation of plant pathologist to review plant material before purchase.
6. Establish a suitable holding area for planting material and assure proper care until planting. Try to minimize holding time before planting. Examine plant introductions for possible disease or insect infestations.

Preparing the Site

1. Plan ahead.
2. Consider basic landscape/building plan before doing anything. Strive for a "total" design including shade, layout, drainage patterns, etc. Look ahead to the mature nature of trees and shrubs. Plan plant material wisely for your area. Consider also your adjoining neighbors' gardens in terms of esthetic compatibility, backdrop, shade competition, etc.
3. Grade, install drainage tile, or take other steps to permit/encourage proper drainage.
4. Amend soil as needed (particularly organic matter, for pH adjustment, textural modification, drainage/aeration) and allow at least a few weeks prior to planting for stabilization/equilibrium. Good soils should be left alone or given only slight surficial amendment. Follow all available information and label directions.

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Maintaining Healthy Container Plants

1. Review appropriate literature, including my article "Integrated Control of *Phytophthora* Root Rot" published in *The Camellia Journal* and the *Camellia Review*. Learn the direct (root) and indirect (top) symptoms of root disease and other problems.
2. Minimize holding time for container stock intended for field planting.
3. Elevate all containers at least 1 inch (to 2 or 3 feet) from ground to minimize infestation with soil-borne disease and pest organisms.
4. Avoid shifting stock to oversized containers (especially deep containers).
5. Do not reuse potting mixes.
6. Formulate well-drained media of good-quality components.
7. Discard or isolate all sick plants.
8. Separate propagation and young plants from older, long-term stock.
9. Isolate incoming plants until you are certain they are not infested with pests.

Alternatives for Overly Wet or Poorly Drained Garden Areas

1. Plan ahead.
2. Improve drainage via grading, roof gutters and downspout rerouting, tiles, soil amendments, etc.
3. Select tolerant plants or water-"using" plants.
4. Plant intolerant plants in raised beds or berms of well-drained soil/mix

* From *The Camellia Review*, Vol. 47, No. 2, November-December 1985 of Southern California Camellia Society.

(provide as needed for water drainage from berms).

5. *Control* irrigation. If you must use automatic systems, empty an area-specialized multi-control system — or relegate certain garden areas to manual care.
6. If automatic irrigation is used, install irrometer control (electronic tensiometers) to override the autcycle under wet or dry conditions.

Alternatives for Deficient, Overly Salty, or Otherwise Poor Soils

1. Plan ahead.
2. Improve/amend soil *based on analysis* and consultative recommendations.
3. Grow tolerant plants on site soil.
4. Grow intolerant plants (e.g., deciduous magnolias, camellias, etc.) on raised planters or berms with suitable soil mix (consider placing impervious layer between native soil and berm in extreme cases, and to provide then for lateral drainage; consult as necessary).
5. Keep plants in surface containers or sunken tubs with necessary provided drainage.

Alternatives to Combat or Live with Root Competition

1. Plan ahead.
2. Select plant material combinations carefully.
3. Give competitive trees and shrubs room.
4. Encourage deep rooting of trees by watering separately, deeply, infrequently (but according to a climatically adjusted schedule).
5. Grow intolerant plants in walled (buried) tubs, in raised beds, or on berms (possibly with barrier between underlying soil and planters). Always provide for adequate air and water access to tree and shrub roots — and drainage from planters.
6. Water more frequently, lightly in stress periods (for underplantings) (See #5, 6 under Overly Wet Soil Section).

Other Considerations to Satisfy Needs of Different Plants in Garden

1. Plan ahead. Consider plant needs

and compatibilities. View your developing garden as a natural landscape (although it isn't) and place/stage plants accordingly. Give plants room for growth. Keep them in scale with other surrounding plants and nearby buildings.

2. Place spring bulbs in areas, walled containers or raised beds where summer irrigation is minimized.
3. Use selective manual or automatic (tensiometer-regulated) irrigation to provide "custom" care for different garden sections.
4. Minimize the use of fertilizers and pesticides to the point of just achieving desired results. "Back off" of present amounts or dosages of fertilizers until you find a minimal level for satisfactory care. Follow all label directions on pesticides and other regulated products.
5. Use disease resistant or tolerant plants or rootstocks.
6. Maintain moderate surface mulches where possible to retain soil moisture, to buffer the soil against rapid climatic changes, and to stimulate nutrient cycling and other beneficial microbial activities.
7. Examine plants regularly and take prompt action against serious disease and pest problems.
8. Keep heavy vegetation (including vines) away from and off of tree trunks.
9. Plant at proper depths.
10. Avoid altering the natural soil level around established trees such as oaks. If such changes are desired, take all recommended actions/measures to provide for drainage, aeration, water access, feeding, etc.

There are many other points that could be mentioned. Take time to understand the nature and requirements of each kind of plant you use and try to integrate that plant into the garden by satisfying its needs as much as possible. Some plants are incompatible in the same soil side by side, but may be brought together via raised beds, isolated sunken tubs, seasonal planting or other approaches. Other plants may be better kept well apart because of appearance or the fact that they share disease problems, etc.

INTRODUCTION OF NEW COLD-HARDY CAMELLIAS

W. L. ACKERMAN

The primary emphasis in recent years of my Camellia breeding efforts has been directed towards the development of new cold hardy forms. Since 1978, several thousand interspecific hybrids, involving *C. oleifera* have been field tested at 14 cooperative locations in four Northeastern states and the District of Columbia.

As a result of a series of severe winters during the past eight years, these hybrids have experienced temperatures on several occasions ranging from -10°F to -15°F . Winter injury data has been recorded each spring and summer and selections made among those that have shown no injury. These, in turn, have been further evaluated during their blooming season for flower quality. Although, as was expected, many hybrids produce flowers that have little commercial value, there are a number which have flowers comparable to existing standard cultivars.

Several selected plants are under serious consideration for naming and release. Six hybrids evaluated by both Dr. Robert Armstrong, Horticulturist, Longwood Gardens, Kennett Square, PA, and myself, are presently under consideration by Longwood for naming and release. These plants have withstood their past five winters with minimum temperatures down to -15°F without injury. Similarly, Mr. Anthony Dove, Horticulturist, London Town Publik House and Gardens, Edgewater, MD, contacted me recently about a hybrid growing at his institution for the past five winters (temperatures down to -9°F) without injury that is extremely floriferous with



FIGURE 1. 'Snow Flurry' (*C. oleifera* x *C. Hybrid 'Frost Princess'*).



FIGURE 2. 'Pink Icicle' (*C. x Williamsii* x *C. oleifera*)

Indoor Gardening With Perlite*

GEORGE AND KATHY ABRAHAM

The green revolution has led to the introduction of hundreds of unheard-of plants and has resulted in new life for old favorites. One reason why people grow

plants indoors is their ease of culture. In days past, plant lovers would go into the garden and scoop up some soil which they would mix with rotted manure or other compost and use it to pot their plants. Fortunately they can now rely on modern growing mixes containing perlite, sphagnum peatmoss and other com-

semi-double white flowers of good substance.

The test plantings at Ashton and Glenn Dale, MD, have yielded perhaps a dozen or more hybrids selected for their lack of winter injury and desirable flower quality. These are presently being propagated for further testing and evaluation. However, one selection each, representing the best of the fall blooming and spring blooming forms thus far evaluated, were named and registered earlier this year.

SNOW FLURRY (79-863)

A hybrid of *C. oleifera* (PI 162561) x 'Frost Princess' (*C. hiemalis* x *C. oleifera*). It has withstood five winters outdoors at Glenn Dale, MD without injury, during which it was exposed repeatedly to temperatures below 0°F and to minimum temperatures of -12°F. The flowers are anemone form, 2¾" diameter, 1¾" depth, 12 petals, 18 petaloids, white, fall flowering (October-November) in Maryland. Plants are spreading, dense, slow to medium growth rate. Leaves 3" long, 1¼" wide, dark green. Figure 1.

PINK ICICLE (80-327)

A hybrid of *C. Williamsii* 'November Pink' x *C. oleifera* (PI 162475). It has withstood two winters outdoors at Ashton, MD without injury during which it was exposed to temperatures below 0°F and a minimum temperature of -5°F. The flowers are peony form, 4½" diameter, 2½" depth, 15 petals, 14 petaloids, shell pink, late winter-spring flowering (February-March) in Maryland. Plants are upright, dense, medium growth rate. Leaves 3¾" long, 1¼" wide, dark green. Figure 2.

—ACS—

ponents. These mixes are readily available at garden centers, some hardware and department stores.

Perlite is a volcanic material that, when heated to 1600°F (850°C), makes an excellent ingredient for house plant growing mixes. Perlite particles create tiny air tunnels, which allow moisture and oxygen to flow freely to roots. This is important since 98% of all oxygen a plant gets is absorbed through its roots. Poorly drained growing mixes shut out oxygen; root "pumps" shut down and the plant dies from suffocation.

* From *Perlite Plant Guide*, Perlite Institute, Inc., 6268 Jericho Turnpike, Commack, N. Y. 11725

Over-watering is the cause of perhaps one-half the cases of plant failure. Perlite in a growing mix serves as a "life guard," not only promoting good drainage but allowing precious oxygen to flow to the roots.

Perlite makes moisture, oxygen and nutrients readily available to plants. Because of the unique shape of each particle, plus its permanency, moisture and nutrients can cling to the crevices until the plant needs them, while the granular quality provides quick drainage of excess moisture and allows space for oxygen — vital for healthy plant growth.

Commercial growers as well as home gardeners can buy perlite mixes or make their own. Equal parts of perlite and sphagnum peatmoss and sand (or rotted compost or loam) make a fine growing mix while equal parts of sphagnum peatmoss and perlite make an excellent seed starter.

PERLITE FOR INCREASING HUMIDITY AROUND PLANTS

Since the average home is extremely dry when the heating system is operating, plant foliage often takes on a scorched look on tips and edges. One way to overcome this is to set trays of water in the plant area and add perlite. Set the plants on the perlite which should be kept moist. Water is slowly released into the atmosphere benefitting the plants.

PERLITE REFLECTS LIGHT

Cloudy winter days often result in poor houseplant or seedling growth. Light coming in a window can be greatly increased by placing perlite in the bottom of plant trays and on the surface of the growing mix where light rays will be reflected back up to plants. This can make the difference between spindly plants and good stocky growth. The same applies if plants are being grown under fluorescent lights. Just be sure perlite is kept moist so you can take advantage of the extra humidity.

WATERING PLANTS

Frequency of watering depends on the type of plant and size. Most plants prefer the growing media to be "just moist" at all times. Some plants, like Jade plant and

large-leaved Ficus like the growing media to become almost dry before water is applied. Care should be taken, however, to see that the growing media does not become so dry as to cause dropping of leaves or shrinking of the soil ball to the point at which a space forms between it and the pot. When this happens, water rushes down the inside of the pot rather than wetting the root zone. If this happens, or if leaves drop because of lack of water, set the pot in a large pan of tepid water until the whole root ball is moistened. The plant will respond, usually within half an hour. Plastic pots hold moisture longer than unglazed pots, which have pores for air to pass through. Since the soilless mixes contain much lightweight material, you can usually tell by lifting the pot whether or not the mix has dried out completely. With large pots, you can push a wooden dowel probe (like a pencil) into the pot. If it comes out moist you know there is still some moisture left.

PERLITE FOR STARTING SEEDS

Fine perlite can be used alone as a seed starting medium or it can be mixed half and half with shredded sphagnum moss or shredded peatmoss. Many seeds have limited "pushing-up" power. Perlite alone or perlite mixes are ideal for seed starting because they are light in weight. Moisten the medium thoroughly, then sow the seeds on top. Very fine seeds can be atomized and left to settle into crevices. Be sure the medium does not dry out. This can be prevented by keeping the seed box sub-irrigated at all times, until seeds sprout. A plastic cover over the box helps maintain humidity. Other seeds can be covered with a light dusting of perlite and sphagnum peatmoss.

Another requirement for good seed germination is a constant temperature (for most seeds) of 72°F (22°C).

Water for sub-irrigation can be put directly in the planting tray or a plastic liner can be shaped to hold water. Place the seed boxes in this liner and keep water in it.

Another use for perlite in seed starting is to give better distribution of fine seeds. Take a clean salt shaker and place about ¼ inch (6mm) of very fine perlite (perlite

may be poured into a sieve and the fine particles shaken out) in the salt shaker. Pour the packet of seeds on top, replace the cap and shake to mix in the seeds with the perlite. Sprinkle the mixture evenly over the perlite/peatmoss seedbed.

PERLITE FOR ROOTING CUTTINGS

Both commercial growers and home gardeners have found that perlite is the ideal rooting medium for cuttings from ordinary houseplants or from woody shrubs, evergreens or vines. It is important to keep the perlite moist at all times and to keep cuttings out of direct sun. If temperatures are cool, rooting is hastened by applying bottom heat. Misting on warm days helps the cuttings retain moisture and hastens rooting. Home gardeners can use a terrarium as a rooting chamber, whereas commercial growers would use a greenhouse, coldframe or hotbed.

ACS

A MONEY-MAKING CLUB PROJECT

If your plant society or horticultural group is looking for a money-making project, consider this idea. The Schultz Company, St. Louis, Missouri, makes a special half-price offer to schools, universities, botanical gardens and other non-profit organizations on their "Schultz-Instant" ultra high purity liquid and dry fertilizers. The offer, good in the continental United States only, is for use, demonstration or fund raising purposes, and is available to approved horticultural, educational, religious or charitable non-profit organizations with the understanding that the fertilizer will not be resold to dealers, and the profit made by any sales will be used for the benefit of the organization. There is a minimum shipment of \$100.00. Orders can be made in case lots only, and delivery is free.

For more information on this special offer phone or write Jean Jones, Public Relations Department, Schultz Company, 11730 Northline, Maryland Heights, St. Louis, MO. 63043; the toll-free number is 1-800-325-3045.

From the Desk of the Executive Director/Editor

We have been aware of the great increase in visitors, but I was amazed when I thumbed through our guest book in preparation for my report to the Board at Pensacola. From April 1, 1986 to November 1, 1986 we had visitors that signed the register (and some don't) from 38 states and 9 foreign countries. This is exciting because we have, in many cases, the opportunity of showing camellia blossoms to some of our guests for the first time. They are always amazed at the different sizes and forms and surprised that something as beautiful as the blossom shown has little or no fragrance.

I wish that all of you could have been here for the Christmas Open House. Betty Hotchkiss supervised the decorations with all others pitching in. The Headquarters and the Stevens-Taylor Gallery were done in the 18th century style with fresh fruit and greens. The Stevens-Taylor Gallery had a lovely live Christmas tree with fresh camellia blossoms as ornaments. The gazebo in the Scheibert Rose Garden had a lighted Christmas tree and the windows of Headquarters Building sported swags tied with velvet ribbons and fruit and holly arrangements. The soft light of the candles added a festive touch. Friends in Marshallville and Fort Valley provided delicious refreshments and punch was served by the lovely Southern Belle Susan Bryan.

The original 'Fortieth Anniversary' plant is in our greenhouse thanks to the



ANN BLAIR BROWN

generosity of the late Ray Gentry. Bill Ackerman has sent a large number of his cold hardy plants which we appreciate. Thanks to Tom Dodd our camellia and azalea collection has greatly improved. We received over 400 plants from him last week. Dean Nursery in Lucedale is giving plants and we will make arrangements to collect them. Mr. Gordon Freeman gave two large Boehm sculptures — The Brown Pelican and the Great White Egret. Mr. William Fishback gave a fine collection of Boehm sculptures, plaques, plates and flowers. We will have more on these Boehm pieces in the next *Journal*. Needless to say, but we are very crowded in our headquarters building. We need more space and I hope that in the near future that the Educational-Museum building will become a reality. On that note, I would like to invite you, if you haven't done so, to make a commitment to the 40th anniversary campaign. It takes all of us to get the job done.

Please advise us of your show dates. Often a date does not get in the *Journal*

because we do not have the information. I think it is a case of each one thinking that someone else sent in the material. We'd rather have several send in the same information than no one send it. We want people to know about your shows.

I cannot close my column without paying tribute to our outgoing president. Ab will finish his term at Portland. He has been a long time supporter of the aims and goals of ACS. His enthusiastic approach to all areas of his work has been good for all of us. In his two years he has made outstanding accomplishments. I could not find a finer person under whom to work than Ab. I also want to thank Evelyn for all she has done in support also. You know the "behind every successful man . . ." well, Evelyn has been just that. From all of us at Headquarters as well as other ACS members, thanks Ab for a super job. I look forward to working with our incoming president, Annabelle Fetterman. ACS is very fortunate, indeed, to have had and continues to have the outstanding leadership of our presidents.

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



The *Camellia* Journal

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Volume 42

Number 1

February 1987



'Dahlohnega' — Camellia japonica

For an interesting story on 'Dahlohnega' read the article "Solving the Riddle" in this issue.