

A Publication of the Southern California Camellia Society



Southern California Camellia Society Inc.

An organization devoted to the advancement of the Camellia for the benefit of mankind — physically, mentally and inspirationally.

The Society holds open meetings on the Second Tuesday of every month, November to April, inclusive at the San Marino Women's Club House, 1800 Huntington Drive, San Marino. A cut-camellia blossom exhibit at 7:30 o'clock regularly precedes the program which starts at 8:00.

Application for membership may be made by letter to the Secretary. Annual dues, \$12.00

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THE COVER FLOWER

'Hody Wilson' is a C. reticulata hybrid developed by Meyer Piet. This cultivar is a cross between 'Crimson Robe' × 'Kohinor.' The bloom is a dark red, very large semi-double to rose form double with irregular petals. The plant has a vigorous, upright growth. This camellia has been considered to be among the top three camellia hybrids developed, so far, by Meyer Piet. It was named for that famous camellia hobbyist and friend, Hody Wilson. The cultivar was introduced in 1979 by Nuccio's Nurseries. Color separations, courtesy, Nuccio's nurseries. Photo by Grady Perigan.

AN INVITATION TO JOIN THE SOUTHERN CALIFORNIA CAMELLIA SOCIETY

The Southern California Camellia Society will welcome you as a member. For your convenience an application blank is printed below.

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THOUGHTS from the editor

I have a theory that the quickest way to kill an organization is to keep harping about money. Yet we must mention money from time to time if we intend to survive. The case in point, which I am going to bring to your attention at this time, is the CAMELLIA NOMENCLATURE ENDOWMENT FUND DRIVE. When this drive started I thought to myself — this is going to be a "piece of cake"! Everyone is going to respond to this appeal! Not so! With an estimated 15,000 camellia hobbyists around the world we have, as of this writing, about 70 individuals or organizations who have responded. That figures out to be about one-half of one percent! In other words, .0049 percent of the Camellia World has seen fit to contribute something toward the maintenance of the camellia bible! To my way of thinking this is a very poor response! One can argue that we have received several nice contributions from camellia societies and thus, every member of that society has made a contribution. This is true. However, so far, only 3 camellia societies around the world have seen fit to make a contribution. Even more to the point, only five camellia nurseries around the world have made a contribution! There have been suggestions that we should have some more yard sales, or a wine and cheese tasting gala, or some pot-luck dinners, or a waste paper drive to raise money for the Fund. These endeavors are admirable but your Editor comes back again and again to the contention that the NOMEN-CLATURE is everyone's book and thus everyone's responsibility. Perhaps it is too soon to start crying. Perhaps it will take time for the idea of making a contribution to sink in. Perhaps the need for support was not stated with enough emphasis to jar the conscience of the hobbyist. The fact remains, however, that the CAMELLIA NOMENCLATURE book is an endangered species and without the support of every camellia hobbyist it is going to expire.

For Sale HISTORICAL EDITION OF 1981 CAMELLIA NOMENCLATURE

Individual copies \$6.00 plus postage 12 Copies or More \$4.50 plus postage Hardback Copies \$15.00 postpaid 5675 E. Walton St., Long Beach, CA 90815

CAMELLIA VARIETIES GROWN IN SOUTHERN **CALIFORNIA PRIOR TO 1950**

by Julius Nuccio and William E. Woodroof

As most of you readers know, the 1981 Edition of CAMELLIA NO-MENCLATURE has been designated as the Historical Edition. Subsequent editions, the first of which is planned for 1984, will not include C. japonica varieties which have been lost or are unavailable to commercial trade. Thus it might be of interest to create a list of camellia cultivars grown in California prior to 1950. Based upon requests received, there is hereinafter set forth a list of camellia varieties grown in Southern California during the 1930's and 1940's. The list contains only the varieties of the species C. japonica as very few other species were then grown. A partial list of other species might include: C. maliflora — 'Betty McCaskill'; C. reticulata — 'Captain Rawes'; C. saluenensis — 'Apple Blossom'; C. sinensis — 'Tea Plant'; and some twenty C. sasanqua.

The varieties of C. japonica are listed by priority name and where the variety was grown under a synonymous name during this period, that name is set forth in parenthesis after the priority name. The description of each of these cultivars is set forth in the 1981 "Historical Edition" of CA-MELLIA NOMENCLATURE. Finally, we have placed an asterisk beside each of the cultivars which will be listed in the 1984 Edition of CAMELLIA

NOMENCLATURE.

— A —

Abundance Adah Pearl Admiral Halsey *Adolphe Audusson Aitonia

*Akebono *Alba Plena Alba Splendens Alba Superba Alexander Nowlin Amabilis Amazing

Anemonaleflora (Warratah)

*Anita

*Anna Bruneau

Annie Laurie (Mrs. Eva Hill)

*Are-jishi (Aloha) Argentinita

Arthur Middleton *Aspasia Macarthur (Paeoniaeflora) Augusta Wilson (St. Elmo)

Auguste Delfosse

-B

*Baronne De Bleichroeder (U.S.) (Bleichroeder)

Bealii Rosea

*Beauty Of Holland

Becky Sharp (Cream Peony)

*Bella Romana

Belle Jeanette (Cleopatra)

*Bernice Boddy Bessie McArthur

Bidwell Var.

*Big Beauty

Biho (Songbird)

Black Prince

*Bleichroeder Pink (Huntington Pink)

*Blood Of China Blush Hibiscus Boutonniere Brilliant (Tutcheria)

Brooklynia

Brown's Red

$-\mathbf{c}$

*C.M. Hovey (Colonel Firey) C.N. Hastie Caleb Cope California (Durfee Road) Cameo Pink Campbell Ashley Candidissima Caprice Captain Martin's Favorite Cardinal Richelieu Casilda

Cassetti

Catherine Cathcart

Chantilly Chastity

Cheerful Chiffon

Chiyoda-Nishiki (Mallot Var.)

*Cho-Cho-San

Cho-No-Hanagata (Dorthea Blanche)

Christine Lee Claudia Lee

Cliveana

Coletii (Colletii Maculata) *Colonial Lady

Comte De Chambard

Comte De Gomer (Anna Frost)

Comte De Nesselrode Comtesse De Nieuport

Concordia Constellation Corus Flora Countess Of Derby

*Countess Of Orkney

*Covina Crepe Rosette Crimson Sunset Cup Of Beauty (U.S.)

— D —

*Daikagura Daisy Banks

*Daitairin **David Gerbing** Daybreak

*Debutante

Delectissima Derbyana

*Donckelarii Dr. McLean Dr. Merrillat

Dr. W.G. Lea

Dryade

*Duchess Of Sutherland Duchesse De Caze

— **Е** —

E.H. Rust Eastern Sun Ectasy (Oregon) Edwin H. Folk Eleanor Franchetti

*Eleanor Hagood *Eleanor McGown Eleanor McGrady

*Eleanor Of Fairoaks

*Elegans Chandler (Francine)

*Elegans Chandler Var. (Chandleri Elegans)

*Elena Nobile Elisabeth Elizabeth Arden Elizabeth Boardman Emperor Of Russia Enchantress (Cal.) Enrico Bettoni Ethel Davis Etienne De Bore Eugene Lize

Eureka Var.

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*Fircone

*Flame

Fleurette

Florence Stratton

*Frau Geheimrat Oldevig (Mme. Chiang Kai-Shek)

*Fred Sander

*Frizzle White

— G —

Galilee Gardenia Gen. Dwight Eisenhower *Gen. George Patton

*Gigantea (Emperor William)

Gigantea Alba

*Glen 40 Glen Allan

Gloire De Nantes (Rose Glory)
*Gosho-Guruma (Rhodellia King) Governor Mouton Governor Richard W. Leche Grandiflora Rosea (Louisa Maclay)

Gypsy

— H —

H.A. Downing

Haku-o

Haku-Rakuten (White Crane)

Haku-Tsuru

*Hana-Fuki (Mrs. Howard Asper)

Harlequin Helen Hunt Helenor

Henningham South

Henry Middleton
*Herme (Jordan's Pride)

*Herme Pink

Hibiscus *High Hat

*Hishi-Karaito

Harkan (Missima)

Horry Frost

Hoshi-Guruma

Il Cygno Imperator **Imura**

*Iwane

— I —

J. J. Pringle Smith

*Jacksoni

James Allen

James Hyde Porter

Jarvis Red

Jessica Var.

John Illges

Joseph Holland

Josephine Duell

*Joshua Youtz

Judge Smith

-K-

*K. Sawada

*Kagira (Dante)

Kenny

*Kiku-Toji

Kimberly

*King Lear

Kingyo-Tsubaki (Fishtail)

*Kishu-Tsukasa

*Kumasaka

*Kuro-Tsubaki

– L –

Lady Charlotte

*Lady Clare (Empress)
*Lady De Saumarez

Lady Hume's Blush

*Lady Loch (Pink Lady)

Lady Mary Cromartie

Lady Nancy Adaire

Lady Of The Lake

*Lady Sadie

*Lady St. Clair (Pink Shell)

*Lady Vansittart

*Lallarook (Laurel Leaf)

Latifolia Var. (Fanny Bolis)

Leona Bolen

*Leucantha

Liberty Bell

Lila Lee

Lindsay Neill

Lois Hill

*Lotus Louise Weick Lurie's Favorite

— M —

Madge Miller Madonna Magnolia Queen *Magnoliaflora Maiden's Blush Maraschino Marchioness Of Exter Marchioness Of Salisbury Margaret Hearn Margaret Higdon *Margarete Hertrich

Margherita Coleorii (Gen. Douglas MacArthur)

Marie Antoinette

Marie Moren (Ella Drayton)

Marion Mitchell

Marquis De Montcolm

Martha Price Martha G. Betz Mary Charlotte

*Mathotiana (Julia Drayton)

*Mathotiana Ålba

*Mathotiana Rosea (Pink Beauty)

Matosi

*Matsukasa (Pine Cone) Mena Laduier (Duncan Bell)

*Mercury Merideth Lake Milady (Coral Sea) Miss Pasadena Miyako-Dori Mme. Cachet

Mme. Charlea Blard Mme. De Maintenon

Mme. Haas Mme. Hahn

Mme. Hovey (Ectsasy)

Mme. Le Bois (Rosedale's Beauty)

Mme. Jannoch Modesty

Monarch

*Monjisu (California Donckelarii)

Monsieur Paugam (Supresse

Nobilissima) Moonglow

Moss Point Var. (Cleopatra)

(Anthony) Mrs. Abby Wilder *Mrs. Baldwin Wood *Mrs. Charles Cobb

Mrs. Charles Simons

*Mrs. Confer (Uncle Sam Var.)

Mrs. F.L. Gibson

*Mrs. Freeman Weiss Mrs. Josephine M. Hearn

Mrs. K. Sawada

Mrs. Lurman Mrs. Marie Keating

Mrs. Rowena Dillingham Mrs. Waters (Mrs. Abby Wilder Pink)

Mrs. William Thompson

My Darling

-N-

*Nagasaki (Mikenjaku) Nobilissima

 $-\mathbf{o}$

October Joy Orchid Pink Otome Pink

*Otome White

- P —

Panache Paul Howard's White

*Pax (Snow Doll; White Laurel Leaf)

Peach Blossom Pearl Harbor Pierette

Pink Ball Pink Dawn

*Pink Perfection Pink Poppy Pink Star

Portland Pride Of Greenville

Prima Donna

*Prince Eugene Napoleon (Pope Pius IX)

*Princess Baciocchi

*Professor Charles Sargent

*Purity

– Q –

Queen Bessie Queen Victoria

— R —

Radiance Rainy Sun Red Hibiscus

Regina Dei Giganti (Glorissa) Reine Des Fleurs

Rev. John Bennett Rev. John G. Drayton

Rhapsody Rising Sun

Robert Casamajor

Romany

Roosevelt Blues

Rosalinda

Rosary

Rose And Snow (Emma Ladd)

Rose Dawn

Rose Emery *Rose Queen (Busch Garden Red)

Rosae Mundi *Rosae Plena

*Rosae Superba

Rosita Ross Rouge

Rubra Virginalis

- S -

Snow Ball **Snow Drift**

*Somegawa Souvenir

*Souv. De Bahuaud Litou

St. Andre Standard Star Dust

Strawberry Blond

Suibijin

Superba Noblissima

Surprise Sweet Delight Sweeti Vera

Symphonette

— T —

T.K. Variegated *Te Deum Tetonia Pink

*Tinsie

Toki-No-Hagasane (Kent Siegaard)

Tricolor California *Tricolor (Siebold)

Triphosa Triumphans

— U —

Uncle Sam

— **v** —

Valtevareda Vanity Fair Vashti

*Vedrine (Ruby Glow)

Victory

Victory White

*Ville De Nantes

Virgins Blush

$-\mathbf{w}$ —

Waterloo (Ethington White)

White Empress

White Giant

White Hibiscus

White King

White Perfection

White Pine Cone

White Princess (Lady Of The Lourdes) Wilder's Rose (Mrs. John Lang)

William Downing

William Penn

Williams Middleton

Wonderous

*Woodville Red

-- Y --

Yobeki-Dori Yohei-Haku (September Morn) Yuki-Botan (Pride Of Descanso)

GETTING BUDS TO OPEN

by Bill Donnan

All of you show buffs know how it is. You have a bud on your favorite camellia bush and it is just bursting with color, but on the Saturday morning of the show it isn't open. So you leave it on the bush. Then, on Sunday or Monday, it opens and it becomes a bloom which would have won the sweepstakes trophy. I know of many exhibitors who will refrigerate a bloom for a week or more before a show and then bench the bloom and win a trophy. But I, for one, never knew that a bud could be forced to open ahead of its time. Now I know how it is done. Furthermore, I am going to pass the "secret" on to you!

Sergio Bracci told me about a bloom he was watching all week prior to the Huntington Show. He was hoping it would open by Saturday morning so he could take it to the show. Alas! On

Saturday the bud was only half open. Sergio says that he cut the bloom and brought it into the house and placed it in the shower stall with the hot water running to create steam in the shower stall. Within an hour the bloom was fully open. He took the bloom to the show and it won a Court of Honor ribbon! That's what Sergio told me! (I really didn't believe him but it made a good story.)

Then, about two weeks later, three Japanese fellows showed up at Nuccio's Nurseries. They were: Satoshi Kimura, President of the Atagawa Tropical and Alligator Gardens; Sadao Tambe, Vice-President of the Japanese Mountaineering Association; and Hiroshi Terada of the Terada Nurseries near Tokyo. The purpose of their trip was to collect 500 American camellia blooms for the Annual Camellia Display at the Atagawa Tropical and Alligator Gardens.

When we talked to these Japanese fellows about their project, this was the time-table they proposed to us. They would pick the blooms on Saturday, January 16th; pack the blooms on Sunday; fly to Tokyo on Monday; unpack the blooms on Tuesday; set up the display on Thursday, and open the ex-

hibit on Friday, Saturday and Sunday. All we could say was "Lots of Luck"! But then we found out that they didn't want camellia blooms — they wanted camellia buds — half-opened buds. Furthermore, they proceeded to demonstrate how they would open the buds. They cut several half-opened buds on six-inch stems and set the stems in a jar of warm water. Lo and behold, it didn't take too long before the buds began to open. In a half-day many of the buds were fully opened. Thus when they collected camellia specimens on Saturday, they cut halfopened buds on six-inch stems. On Sunday these were packed in dry shredded paper with just a ball of moist cotton on the end of the stems. They packed 500 specimens into three large shipping boxes and took them to the plane with them as baggage. On arrival in Tokyo, the buds were unpacked and refrigerated until time to set up the display. On January 23, 24 and 25, 1982, the California camellias were placed on display. Mr. Kimura indicated that over 10,000 people visited the display and the display was featured on national television in Japan. The photos included were taken by Mr. Kimura and sent to us here.





Photos from the Camellia Exhibit in Japan. Many of the blooms were furnished by nurseries, gardens and hobbyists in Southern California.

SHOW RESULTS

SOUTH COAST CAMELLIA SOCIETY SHOW

January 30 & 31, 1982

Best Large Japonica Runner-up Best Medium Japonica Runner-up Best Small Japonica Runner-up Best Miniature Japonica Runner-up Best Large Treated Japonica Runner-up Best Treated Medium Japonica Runner-up Best Treated Retic Hybrid Runner-up Best Treated Non-retic Hybrid Runner-up Best 3 Large to Medium Japonicas Best 3 Treated Large to Medium Japonicas Best 3 Hybrid Camellias Best 3 Small Camellias Best 5 Camellias Runner-up **Best Species** Runner-up Best Japonica Seedling Best Hybrid Seedling

'Tomorrow Park Hill' 'Gullio Nuccio Var.' 'Margaret Davis' 'Betty Sheffield' 'Ave Maria' 'Tom Thumb' 'Man Size' 'Cotton Tail' 'Gullio Nuccio Var.' 'Kramer's Supreme' 'Alta Gavin' 'Ville De Nantes' 'Dr. Clifford Parks' 'Harold Paige 'Freedom Bell' 'Elsie Jury' 'Margaret Davis'

'Grand Prix'
'Francie L.'
'Pink Smoke'
'Margaret Davis'
'Gullio Nuccio Var.'
'Katohajime'
'Shishi Gashira'

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SAN DIEGO CAMELLIAS SOCIETY SOCIETY SHOW

February 6 & 7, 1982

Best Large Japonica Runner-up Best Medium Japonica Runner-up Best Small Japonica Runner-up Best Miniature Japonica Runner-up Best Retic Hybrid Runner-up Best Non-retic Hybrid Runner-up Best 3 Large Japonicas Runner-up Best 3 Medium Japonicas Runner-up Best 3 Reticulatas Runner-up **Best Species** Best Treated Japonica Runner-up Best Treated Retic Runner-up

'Grand Slam' 'Chow's Han-Ling' 'Eleanor Martin Supreme' 'Commander Mulroy' 'Erica McMinn' 'Maroon & Gold' 'Man Size' 'Little Slam' 'Dr. Clifford Parks' 'Francie L.' 'Waltz Time' 'Angel Wings' 'Chandeleri Elegans' 'Tomorrow Park Hill' 'Midnight' 'Wildfire' 'Francie L.' 'Harold Paige' 'Hiryu' 'Easter Morn' Carter's Sunburst Var. 'Valentine's Day'

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Best Treated Hybrid Runner-up Best Seedling Best Collector's Trav Runner-up Best Novice Bloom Runner-up

'Elsie Jury' 'Freedom Bell' 'Crimson Robe' x 'Descanso Mist' Won by

> 'Helen Boehm' 'Spring Sonnet'

Mr. & Mrs. W.F. Goertz Mr. & Mrs. Charles Gerlach Lee Gaeta Mr. & Mrs. Sergio Bracci Mr. & Mrs. W.F. Goertz M. Keeling C. Gambardella

TEMPLE CITY CAMELLIA SOCIETY

February 13 & 14, 1982

Best Large Japonica Runner-up Best Medium Japonica Runner-up Best Small Japonica Runner-up Best Miniature Japonica Runner-up Best Retic Hybrid Runner-up Best Non-retic Hybrid Runner-up Best Treated Japonica Runner-up Best Treated Retic Hybrid Runner-up Best Treated Non-retic Hybrid Runner-up Best 3 Large Japonicas Runner-up Best 3 Medium Japonicas Runner-up Best 3 Retic Hybrids Runner-up Best 3 Non-retic Hybrids Runner-up Best 3 Small Camellias Runner-up Best Species Bloom Best Japonica Seedling Best Hybrid Seedling Best 5 Japonicas Best 5 Hybrids

'Elegans Chambagne' 'Tomorrow Park Hill' 'Iean Clere' 'Midnight' 'Alison Leigh Woodroof' 'Maroon & Gold' 'Little Michael' 'Little Red Riding Hood' 'Curtain Call' 'Dr. Clifford Parks' 'Rose Parade' 'Coral Delight Var.' 'Dixie Knight Var.' 'Spring Sonnet' 'Pharoah' 'Miss Tulare Var.' 'Elsie Jury' 'South Seas' 'Carter's Sunburst Pink Var.' 'Elegans Supreme' 'Betty Sheffield Supreme' 'Eleanor Martin Supreme' 'Francie L.' 'Dr. Clifford Parks' 'Freedom Bell' 'Elsie Jury' 'Fircone Var. ' 'Tama No Ura' 'Botan Yuki' #1-78 'Coral Pink' 'Miss Charleston Var.' 'Valley Knudsen' Sweepstakes Winner For Most Trophies

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POMONA VALLEY CAMELLIA SOCIETY SHOW

February 20 & 21, 1982

Runner-up Best Medium Japonica Runner-up Best Miniature Bloom Runner-up Best 3 Large Japonicas Runner-up

Best Large Japonica

Runner-up

'Fashionata' 'Tomorrow Park Hill' 'Eleanor Martin Supreme' 'Nuccio's Pearl' Tittle Slam 'Freedom Bell' 'Tomorrow Park Hill' 'Elegans Splendor'

Mr. & Mrs. A.V. McWilliams Frank Davis Mr. & Mrs. M.L. Schmidt Mr. & Mrs. A.V. McWilliams Mr. & Mrs. Walt Harmsen Dr. & Mrs. Fred Mowrey Mr. & Mrs. Bob Jaacks Mr. & Mrs. Lee Gaeta

Best 3 Medium Japonicas Runner-up Best Australian Bloom Best 5 Large Japonicas Best 5 Medium Japonicas Best 5 Very Large Hybrids Best 5 Large Hybrids Best 5 Medium Hybrids Best Hybrid Runner-up Best Large Hybrid Runner-up Best Medium Hybrid Runner-up Best Species Bloom Best 3 Small Blooms Runner-up Best 3 Very Large Hybrids Runner-up Best 3 Large Hybrids Runner-up Best 3 Medium Hybrids Runner-up Best Treated Japonica Runner-up Best Treated Hybrid Runner-up Best Novice Bloom Runner-up

Sweepstakes 91 Ribbons, total

Best Members Japonica

Best Members Reticulata

or Non Retic Hybrid

'Eleanor Martin Supreme' 'Midnight' 'Margaret Davis' 'Tomorrow Park Hill' 'Magnoliaflora' 'Arcadia' 'Valley Knudsen' 'Coral Delight' 'Dr. Clifford Parks 'Curtain Call' 'Nuccio's Ruby' 'Kohinor' 'Angel Wings' 'Coral Delight' 'Star Above Star' 'Ave Maria' 'Maroon & Gold' 'Francie L. Var.' 'Dr. Clifford Parks' 'Valentine Day' 'Valley Knudsen' 'South Seas' 'Freedom Bell' 'Nuccio's Iewel' 'Grand Prix' 'Dr. Louis Polizzi' 'Lasca Beauty' 'Adolphe Audusson Var.' 'Mathotiana'

Mr. & Mrs. Milt Schmidt Mr. & Mrs. Sergio Bracci Mr. & Mrs. Bob Jaacks Mr. & Mrs. Sergio Bracci Dr. & Mrs. Lee Chow Mr. & Mrs. Sergio Bracci Mr. & Mrs. W.F. Goertz Mr. & Mrs. Martin Stoner Mr. & Mrs. Bob Jaacks Mr. & Mrs. Roger Treischel Judy Simmons Dr. & Mrs. Fred Mowrey Mr. & Mrs. Bob Jaacks Dr. & Mrs. Lee Chow Mr. & Mrs. Harold Rowe Mr. & Mrs. John Sullivan Mr. & Mrs. Bob Jaacks Mr. & Mrs. Bob Jaacks Carvll Pitkin Mr. & Mrs. Bob Jaacks Mr. & Mrs. J.L. Sullivan Mr. & Mrs. Lee Gaeta Mr. & Mrs. Charels Gerlach Mr. & Mrs. Ab Summerson Mr. & Mrs. Ab Summerson Mr. & Mrs. Sergio Bracci Mr. & Mrs. Ab Summerson Jim Wilkin Rosemary Cheesman

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PENINSULA CAMELLIA SOCIETY 21st ANNUAL SHOW

February 20-21, 1982

Runner-up Sweepstakes 38 Ribbons, total 'Grand Prix' Best Very Large Japonica 'Miss Charleston' Best Large Japonica Runner-up 'Betty Sheffield Supreme' Best Medium Japonica 'Veiled Beauty' Runner-up 'Iean Clere' Best Small Japonica 'Shibori-Otome' Best Miniature 'Willamina' Best Very Large Reticulata Hybrid 'Miss Tulare Var.' Runner-up 'Harold Paige' Best Medium to Large Reticulata Hybrid 'Valentines Day' 'E.G. Waterhouse' Best Non-Reticulata Hybrid Best 3 Blooms Boutonniere 'Jingle Bells' Best 3 Blooms Med. to 'Miss Charleston, Var.' Very Large Japonica Best 3 Blooms, Reticulata-Hybrid 'Howard Asper' Best 3 Blooms, 'Debbie Balzarini' Non-Reticulata Hybrid Best 5 Blooms, Japonica 'Lady In Red' Best 9 Blooms (different varieties) Best New Japonica Seedling Best New Hybrid Seedling

Mr. Howard Oliver
Mr. & Mrs. Robert Erhart
Mr. & Mrs. L. Lewis
Elaine Abramson
Mr. & Mrs. Bill Lockwood
Mr. & Mrs. Don Bergamini
Mr. & Mrs. John Balzarini
Mr. & Mrs. John Balzarini
Mr. & Mrs. Howard Oliver
Mr. & Mrs. Don Bergamini
Alice McGregor

Mr. & Mrs. Peter Galli Mrs. William Breuner Mr. & Mrs. Robert Erhart

> Elaine Abramson Jack Osegueda

Jacelyn Vervalle Mrs. William Breuner Mr. & Mrs. Ed. Roberts Mr. David L. Feathers Mr. Howard Oliver

Mr. Howard Oliver

'Feathery Touch'

DESCANSO GARDENS CAMELLIA SHOW

February 27 & 28, 1982

Best Large Japonica Runner-up Best Medium Japonica Runner-up Best Small Japonica Runner-up Best Miniature Japonica Runner-up Best 3 Large Japonicas Runner-up Best 3 Medium Japonicas Runner-up Best 3 Small Japonicas Runner-up Best 5 Japonicas Runner-up Best 3 Retic Hybrids Runner-up Best 5 Retic Hybrids Runner-up Best Non-retic Hybrid Runner-up Best Very Large Retic Hybrid Runner-up Best Large Retic Hybrid Runner-up Best 3 Non-retic Hybrids Runner-up Best Treated Bloom Runner-up Best Species Bloom Best New Sport Best Large Novice Bloom Best Medium Novice Bloom Best Small Novice Bloom 'Camellia Ingram' Best 3 Novice Blooms 'Grand Slam'

Award of Merit - Most Award Points

'Silver Clouds' 'Elegans Subreme' 'Betty Sheffield Sup.' 'Nuccio's Jewel' 'Demi-Tasse' 'Fircone Var.' 'Man Size' 'Little Bit' 'Julia France' 'Tomorrow Park Hill' 'Eleanor Martin Subreme' 'Wild Fire' 'Maroon & Gold' 'Man Size' 'Julia France' 'Magnoliaflora' 'Valentine Day' Francie L. 'Dr. Clifford Parks' 'Harold Paige' 'Angel Wings' 'South Seas' 'Curtain Call' 'Francie L.' 'Valley Knudsen' 'Mildred Pitkin' 'Waltz Time Var.' 'Coral Delight' 'Nuccio's Ruby' 'Harold Paige' 'Yuki-Komachi' 'Mrs. D. W. Davis' 'Glen 40'

Mr. & Mrs. H.C. Shropshire Mr. & Mrs. Roger Treischel Mr. & Mrs. Sergio Bracci Mr. & Mrs. R.C. McNeil Mr. & Mrs. Jack Woo Mr. & Mrs. Jack Woo Mr. & Mrs. R.C. McNeiel Marvin Belcher Mr. & Mrs. Bob Jaacks Mr. & Mrs. Milt Schmidt Mr. & Mrs. Jack Woo Mr. & Mrs. Sergio Bracci Mr. & Mrs. Sergio Bracci Dr. & Mrs. Lee Chow Dr. & Mrs. Lee Chow Mr. & Mrs. Bob Jaacks Mr. & Mrs. B.M. Pace Ron Braid Mr. & Mrs. Sergio Bracci Mr. & Mrs. Roger Treischel Mr. & Mrs. J.L. Sullivan Caryll Pitkin Frank Davis Mr. & Mrs. Richard Stiern Carvll Pitkin Mr. & Mrs. Walt Harmsen Mr. & Mrs. Jack Woo Mr. & Mrs. Jack Woo Mr. & Mrs. J.L. Sullivan Mr. & Mrs. Sergio Bracci Mr. & Mrs. John Movich Eleanor Ingram Norma Mary Eleanor Ingram Jeff Fenwick Mr. & Mrs. Jack Woo

Mr. & Mrs. Roger Treischel

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KERN COUNTY CAMELLIA SHOW

34th Annual Show

Bakersfield, California

March 6 & 7, 1982

Best Flower of Show 'Harold Paige' 'Grand Slam' Best Large Japonica 'Marie Mackall' Runner-up Best Medium Japonica 'Magnoliaflora' 'Eleanor Martin Sub.' Runner-up Best Miniature 'Ave Maria' 'Iingle Bells' Runner-up Best Tray of 3 'Flowerwood' Runner-up 'Wildfire' 'Giulio Nuccio' 'Kramer's Supreme' 'Mercury Var.' Best Variegated Flower Best Reticulata 'Harold Paige' 'Nuccio's Ruby' Runner-up Tray of 3, Reticulata 'Royalty' Runner-up 'Harold Paige' 'Charlean Var.' Hybrid Non-Reticulata Runner-up 'Freedom Bell' Best Tray of 3, 'Freedom Rell' Hybrid Non-Reticulata 'South Seas' Runner-up Best Chemically Treated 'Moutancha' **Best Seedling** 'Coral Hybrid' 'Botan Yuki' Best Species Collector's Tray Best Novice Flower

Runner-up

Runner-up

Runner-up

Runner-up

Runner-up

Best Hybrid, Novice

Best Tray of 3, Novice

Large White Japonica

Best Large Japonica, Novice

Best Medium Japonica, Novice

'E.G. Waterhouse' 'Tomorrow' 'Tomorrow' 'Mathotiana' 'Herme' 'Marie Bracev Var.' 'E.G. Waterhouse' 'Aztec' 'Aztec' 'Magnoliaflora'

Mr. & Mrs. Roger Treischel Dr. & Mrs. Leland Chow Mr. & Mrs. B.M. Pace Dr. & Mrs. Leland Chow Mr. & Mrs. J. Christinsen Mr. & Mrs. Sergio Bracci Mr. & Mrs. Julius Christinsen Dr. & Mrs. Leland Chow Mr. & Mrs. Sergio Bracci Mr. & Mrs. Roger Treischel Mr. & Mrs. Robert McNeil Mr. & Mrs. Roger Treischel Mr. & Mrs. Roger Treischel Dr. & Mrs. Richard Stiern Mr. & Mrs. W.F. Harmsen Mr. & Mrs. Sergio Bracci Dr. & Mrs. Richard Stiern Mr. & Mrs. Mel Canfield

> Mr. & Mrs. Sergio Bracci Mr. & Mrs. Sergio Bracci Mr. & Mrs. R.T. Jaccks Kramer Bros. Mr. & Mrs. Sergio Bracci Dr. & Mrs. Leland Chow John Mitchell Paul Taylor Paul Taylor Lynn Moody Lynn Moody Debbie Dremel John Mitchell Paul Taylor Paul Taylor

> > Mary & Jim Dahlberg

BIRMINGHAM CAMELLIA SHOW

Birmingham, Alabama

February 13, 14, 1982

Ed. Note: The Birmingham Men's Camellia Society sponsors a camellia show every year and issues a nice brochure for the event. This year they used the color separation of 'Nancy Reagan' on the cover of their brochure. This year's show had 1930 blooms and 36 arrangements.

Best Large to		
Very Large Japonica	'Tomorrow Park Hill'	S.H. Hackney
Best Large Japonica	'Fashionata'	H.T. Brown
Best Medium Large Japonica	'Evelyn Poe Blush'	H.T. Brown
Best Medium Japonica	'Mrs. R.L. Wheeler'	Jack Davis
Best Small Japonica	'Little Man'	George Garrison
Best Miniature Japonica	'Man Size'	M/M R.D. Hicks
Best Large to Very		

'Kim McGowan' Jack Davis Best Min-M/L White Japonica 'Silver Chalice' 'Dr. Clifford Parks' Best Retic or Retic Hybrid Best Non-Retic Hybrid Best Three Japonica Blooms (same) Best Three Retic-Hybrid Blooms Best Three Non-Retic Blooms (same) Best 5 Jap. Blooms, 2 or more var. Best Seedling — Japonica Best Seedling - Retic Hybrid

Best Seedling - Non-Retic

Sweepstakes

Runner-up

Dr. Clifford Parks Charlene Var. Mixed 'Jacke Belle' 'Red Retic' '82-129'

'Charlene Var.'

Park Hill

Carl Franklin **Iack Davis** S.H. Hackney Carl Franklin S.H. Hackney S.H. Hackney S.H. Hackney

Sam Zerkowsky

George Garrison

Ralph Davidson

Ralph Davidson

Jack Davis

JOHNNY APPLESEED by Keith Monroe

Ed. Note: Reprinted from Volume 28, No. 4, April 1981, Fedco Reporter.

With a bottomless bag of seeds scrounged from a dump heap in Pittsburgh, a long-haired wild-bearded man named John Chapman roamed our land on foot and by canoe for fifty years. Today, as for generations past, our choice of food — and sometimes our choice of words - are slightly different than they might be if he'd never lived.

He made us a nation of apple-eaters. In ballads and verse he became celebrated by his nickname, Johnny Appleseed. Of American folklore figures, he's one of the few whose deeds are solidly authenticated. He was born in 1774 in Leominster, Massachusetts, but almost nothing is known of him before he turned up in western Pennsylvania around 1800.

He loved apples. They were already a staple in New England, for apple seeds were among the precious supplies the early colonists brought. The first big apple orchards had been planted near Boston by William Blaxton in the 1660's. As the fruit became abundant, many settlers ate apples at every meal. Sweet cider was the soft drink, as hard cider was the beer, of Colonial America. By the 18th century apple pie was so traditional that Yale College in New Haven served it every night at supper for more than a hundred years.

Chapman found few apple trees around the stockaded Pittsburgh. But there was a cider mill. From its wastes, the young Yankee sifted out bags of seed. He loaded a canoe and set out to make the frontier lands white with apple blossoms if he had to do it singlehanded. He was barefoot and ragged and stayed that way, for he never resisted the impulse to give away to the needy any clothes or boots that wellwishers bestowed on him. He said that angels and spirits often visited him.

Anyone who met him was offered apple seeds, for which he would take money if it was offered. He moved down the Ohio Valley, stopping often along the line of the coming migration of settlers to scatter handfuls of seed in half-acre clearings which he fenced to discourage browsing deer and cattle. As his seedlings grew, pioneers were free to come and take what planting stock they liked. Countless apple orchards in Pennsylvania, Ohio, Illinois, and Indiana caused the settlers to bless Johnny Appleseed's choice of a queer way to live.

Stories about him became part of local legends. There were tales of his kindness and generosity to people and to animals; tales of his endurance and courage. The Indians considered him a great medicine man. But when the tribes rose against the whites in the War of 1812, he earned the gratitude of backwoods settlements by setting out alone to warn them of Detroit's fall and the impending Indian attacks. Once he

ran thirty miles through the wilderness to summon cavalry to Mansfield, Ohio, just in time to beat off a Shawnee raid.

Mansfield became his base in later years, but each autumn he filled bags with seeds from cider presses and went wandering. He planted whole nurseries and orchards and helped settlers establish their own. He carried his mission as far as Fort Wayne, Indiana, and finally settled down there, where he died at 72. Probably he left everything in apple-pie order, because he was the apple of everyone's eye and no one ever upset his applecart. As sure as God made little green apples, to say that John Chapman was crazy would be applesauce.

UPDATING THE MINIATURE INTRODUCTIONS IN THE 1981 CAMELLIA NOMENCLATURE BOOK

by Ernest Pieri

Each new issue of the Southern California Camellia Nomenclature book as well as the 1981 American Camellia Society Journal and Year Book, reports are given of new miniature camellia introductions, both for Hybrid and Japonica varieties. The new nomenclature book for 1981 is no exception as it seems to have been a banner year for new miniature introductions. Not only new additions to the many japonicas but now we are geting to see some of the new non-reticulata miniature hybrids, which I feel should be added to this article. Several of the socalled introductions have been around for several years though they are just now being listing in the nomenclature book. I will list these flowers by color and then by form the better to aid the grower to identify his flowers.

JAPONICA MINIATURES AS TO FORM

Anemone
Lil Tiff
Lip Stick*
Tinker Toy
Formal Double
Archie's Angel
Caroline Rehder
Dorothy Schmidt
Georger Brockman
Just Darling
Lilemac
Little Dixie
Pride of California
Stacy Susan
Tip Top*

Semi-double
Cutie Pie
Fred's Choice
Rose Form Double
Dolly Dyer
Lemon Drop*
Peony Form
Four Bits
Little Glen
Little Ruby
Minor League

Pink

JAPONICA MINIATURES AS FOR COLOR

Archie's Angel Little Glen Minor League Pride of California Little Bo-Peep Shell Pink Just Darling Little Dixie Lil Tiff Stacy Susan Cutie Pie Red Dolly Dyer Dorothy Schmidt Little Ruby Lip Stick Variegated Caroline Rehder Tip Top Tinker Toy Fred's Choice White Four Bits Lilemac

Lemon Drop NON-RETICULATA HYBRID MINIATURES FORM

Single Pink Cascade Snow Drop Anemone Form Little Lavender Formal Double Baby Bear Miss Tinytot Princess Semi Double Prudence Tiny Princess (to AF) Rose Form Double Spring Festival Peony Form Cinnamon Cindy Fragrant Pink Fragrant Pink Improved COLOR

Pink
Baby Bear
Cinnamon Cindy
Fragrant Pink
Fragrant Pink Improved
Little Lavender
Miss Tinytot Princess
Pink Cascade
Prudence
Spring Festival
White
Snow Drop
Tiny Princess

Clarification

When reading through the Nomenclature Book, we find such terms as "Miniature to Small" or "Small to Medium", which has caused some confusion as to where the bloom should be placed on the exhibition table. According to the size description, on page 7 of the book, a miniature is $2\frac{1}{2}$ inches or less, a small is from $2\frac{1}{2}$ inches to 3 inches. There are several varities that bloom both a miniature and a small bloom of that variety on the same bush. Many exhibitors have taken the view that the bloom was a miniature or small bloom of that variety that the larger bloom could be shown in the lower classification. As a result many fine true miniature blooms have been overlooked in favor of the larger, oversize bloom, this is also true for the small to medium listing. Nothing could be more maligned. Speaking to Wm. Woodroof, editor of the Nomenclature Book, he remarked: "If on the day of the show, the bloom, miniature or small is oversize, or larger than the described measurements for that bloom it should be placed, legally, into the next higher classification, as permitted by the Nomenclature Book.."

The Judges of the Boutonniere Section, should be alerted to this fact in their judging of the bloom.

Some Shows permit a Boutonniere Classification without regard to size. The purpose of splitting the Boutonniere Class into two classes was to give recognition to the many fine miniature camellias that were being exhibited, as well as to recognize a little larger type of bloom. Another Show might try to circumvent this problem by making one class "Miniature & Miniatures to Small," the second class being "Small and Small to Medium", thereby the purpose of the segregation of blooms by size. Invariably a good oversize bloom placed in the lower classification will be selected as the "Best Miniature of the Best Small". Using the Miniature "Confetti Blush", which grows both sizes on the same bush, in the lower classification, the larger bloom has often been declared the winner.



The family of the eccentric millionaire gathered in the attorney's office to hear the reading of the man's will. When all were seated, the attorney cleared his throat and read:

"And so, being of sound mind, I spent every cent before I died."



Patient: Doc, am I g-g-going to d-d-die?

Doctor: My dear man, that is the last thing you'll do.

HOW TO ROOT CAMELLIA AND AZALEA CUTTINGS

by Ralph B. Davidson, Birmingham, Alabama

Ed. Note: Reprinted from the camellia show brochure of the 29th Annual Show of the Birmingham Camellia Society.

The best time to root camellia and azalea cuttings is in June and July after the new growth has somewhat hardened. They can be rooted at other times but will take longer. The ends of the branches should be clipped to get a cutting about four to six inches long. The lower leaves are removed to allow 1½ to 2 inches of stem to be covered in the rooting material. If the tips of the remaining leaves are clipped it will allow more room for a large number of cuttings without touching one another.

The rooting box should be about ten inches deep. The box should be about half filled with peat moss and sand. This will allow room for growth without touching the glass covering which is used to hold in humidity. After the rooting material is put in the box it should be wet with a fine mist from the hose or a sprinkler can. The cuttings are dipped in a hormone and placed in the box using the finger or a large nail to make holes. They should be sprinkled again to settle the material around the stems and then place the glass over the box which is put in a semi-shaded place, usually under a tree. Water about once a week or as often as needed to keep the soil damp but not soggy. The box should have drain holes unless the bottom planks are not fitted too closely together.

The cuttings should root in about eight weeks, although some varieties take longer. After the plants have a good root system they can be planted in pots that are about 4½ to 5 inches in size. Don't use clay pots as they dry out too fast. The soil mixture at the time the plants are transplanted should be equal parts of good soil, sand, and peat moss. If the soil has leaf mold in it, which is good, it should have some lime added, about one quart to a large wheelbarrow of mixture. Also, one quart of cotton seed meal to this same

amount of mixture will be good. The plants will grow fast if fertilized about once a month with 12-6-6 or 15-5-5 in liquid form.

During the first two winters the young plants should have some protection. If a greenhouse is not available they can be put in a cold frame or placed in the basement where they get light or sun through a window.

The plants should bloom the second year. The flowers will be the same as those on the plants from which the cuttings were taken.

ROOTING CUTTINGS

by Richard M. Klein

Ed. Note: Reprinted from GARDEN, May-June, 1979, pg. 26.

Correct conditions of heat, light and moisture encourage a plant cell to express its entire potential and become a whole new plant

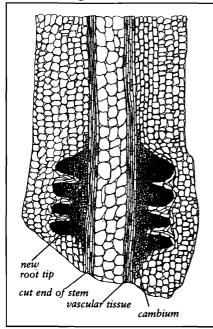
Gardeners have been rooting cuttings for centuries, but the theoretical basis was established only in 1911 by Gottlieb Haberlandt, a German botanist, who concluded that all living plant cells were totipotent, capable — as are fertilized eggs — of growing into an entire plant. In contrast to animals, whose totipotency is soon lost, cells from even a 3,000-year-old redwood can develop into new trees. Rooting is vegetative propagation — cloning — and establishment of cuttings is important in maintaining genetic uniformity in plant populations.

The trick is to have cells in an environment where totipotency can express itself. In stems, the most responsive cells are those of the cambium, that cell layer from which wood and bast cells are derived.

When freed from the restraints imposed by other cells, cambium will divide rapidly to form a mass of

almost-uniform cells called a callus, or rooting pad. Within this mass, some cells begin to change, differentiating into a whorl or nest of cells, which organize into a root tip and, by dividing and elongating, initiate a root.

When you think about it, instructions for rooting cuttings are obvious. Because cuttings lack a root system, almost no water uptake occurs and provisions must be made to prevent cells from drying out. This is accomplished by enclosing the cuttings in an envelope of water-saturated air as in a misting chamber, or by placing a plastic bag over the cuttings in their container. Because the leaves and green herbaceous stems carry on photosynthesis and supply the sugar needed for cell activities, light is required. Heat, however, increases water loss and light should be diffuse; most cuttings root poorly in direct sunlight. Mild heat to the cut end speeds up callus pad formation and this is the reason for heat cables in rooting beds.



Cutting a stem stimulates the cambium cells within the stem to divide, differentiate and become new root tissues.

Plant cell divisions, elongations and differentiations are regulated by plant hormones. These hormones, normally derived from young leaves and stem tips, flow down the stems and regulate cambial cell activity. Higher-than-normal hormone concentrations shift cambial activity from wood cell formation to the rapid proliferation that results in a callus pad.

Elevated hormone levels can be provided by the gardener: The commercial rooting powders that are available contain hormones, fungicides and talcum powder as a carrier and sticker. Because woody plant stems require higher concentrations of hormones than do herbaceous cuttings, rooting powders come in several strengths.

The plant's stage of development is an important influence on rooting ability. Plants that are in flower or bearing fruit usually root poorly because hormones from these organs tend to repress callus cell formation. Plants entering dormancy have already shut down their cell division processes and also root sporadically.

Many hardwood stems require a chill before the cambium can be reactivated. Such stems are usually gathered in late autumn and stored at temperatures close to freezing for several months, after which they can be rooted fairly easily. Alternatively, they can be taken in late winter when dormancy and chill requirements have been fulfilled.



Hustler: I'll bet you \$2 more I can say all 50 states in less than one minute.

Rustler: It's a bet! Hustler: All 50 states.



From the will of a miserly millionaire: "And to my dear friend Fred, whom I promised not to forget to mention in my will, 'Hi, Fred.""

OUR TEN BEST PERFORMERS AND WHY THEY MEAN SO MUCH TO US

by Lavenia Treischel

DONCKELARII

A beautiful variegated flower and my favorite.

ELEGANS SPLENDOR AND ELEGANS SUPREME

Both named so appropriately, truly elegant and always blooms so well for us. CHINA DOLL

Never stops blooming.

FIMBRIATA

This lovely flower opens and closes the blooming season. It is the most profuse blooming plant in our garden.

NUCCIO'S RUBY

Spectacular, what else can we say. Our parent plant is capable of several good

blooms in a season. The dark red velvet is truly outstanding.

FRIZZLÉ WHITE

This is a beautiful flower, probably one of Roger's favorite whites.

TWILIGHT

Always blooms well and is so pretty.

PARÍS PINK

We have had good blooms many times. This is a special flower that reminds us of very special people, the Lytles.

HAROLD L. PAIGE

I would be remiss if I didn't include this one, it always catches the eye, whether in the garden or a show.

CONTRIBUTORS TO THE CAMELLIA NOMENCLATURE ENDOWMENT FUND

The CAMELLIA NOMENCLATURE ENDOWMENT FUND DRIVE is now in its eighth month. All contributions are tax deductible and the FUND DRIVE will insure the continued publication of the NOMENCLATURE in future years. The following list contains the names of contributors during the period January 15th to March 1st, 1982.

Mrs. Eugene Busse — Contribution in memory of her husband, Eugene Busse.

New Zealand Camellia Society — Cash Contribution

Dr. & Mrs. Fred Mowrey — Cash Contribution

Mr. & Mrs. Jack Lewis - Cash Contribution

Mr. & Mrs. Berkeley Pace — Cash Contribution for Chrysantha plant.

Mr. & Mrs. Grady Perigan — Cash Contribution for Chrysantha plant.

Mr. & Mrs. Bill Donnan — Cash Contribution

Mr. & Mrs. Harold E. Dryden — Cash Contribution for Chrysantha plant.

Modesto Camellia Society — Cash Contribution

Mr. & Mrs. Milton Schmidt — Cash Contribution for Chrysantha plant.

Mr. & Mrs. Ernest Pieri — Contributions in memory of Margaret Short, Mel Gum, and Charles Peterson.

Dr. & Mrs. Fred Mowrey — Cash Contribution for Chrysantha plant.

Mr. & Mrs. Jacob Bagnell — Cash Contribution for Chrysantha plant.

Mr. Luther Baxter — Cash Contribution

Mr. & Mrs. Ernest Pieri — Cash Contribution for Chrysantha plant.

Mr. Gene Snooks — Cash Contribution for Chrysantha plant.

Eleanor Ingram — Cash Contribution for two Chrysantĥa plants.

Raffle of camellias at February Temple City Society Meeting

Mr. & Mrs. Sergio Bracci — Cash Contribution for Chrysantha plant.

Mr. & Mrs. Earl McDaniel — Cash Contribution for Chrysantha plant.

Mr. & Mrs. Carl Quanstrom — Cash Contribution for Chrysantha plant.

C. CHRYSANTHA PLANT FREE!!

The Southern California Society will give a one-gallon grafted C. chrysantha camellia plant *free* to anyone who makes a tax deductible contribution of \$35 or more to the Camellia Nomenclature Endowment Fund. The Society has grafted forty plants and they will be ready for release in July or August 1982. The scions originated from C. chrysantha seedlings and will be available to the first forty hobbyists who make a tax deductible contribution. In order to get on the release list for the plants, checks should be sent to: William W. Donnan — 700 South Lake #120, Pasadena, Calif. 91106. Your name will be given a priority number for release. Make checks payable to Camellia Nomenclature Endowment Fund. (If your plant cannot be picked up personally, a charge of \$8 will be made for out-of-state inspection, crating and shipping charges.) So far — 20 plants have been reserved.

PRESIDENT REAGAN GETS CAMELLIA WOOD GAVEL

Ed. Note: Dr. Herbert Shirley the dentist whose hobby is making gavels out of camellia wood received the following letter from President Ronald Reagan.

THE WHITE HOUSE WASHINGTON November 19, 1981

Dear Dr. Shirley:

I can't tell you enough how pleased I was to receive the camellia wood gavel which Mike Deaver recently passed along to me on your behalf. I am certainly lucky to have two Herbert Shirley gavels, and I shall proudly display this one alongside the

gavel you gave to me when I was Governor. The steadfast friendship that prompted you to remember me with another of your unique pieces is truly appreciated. Thank you.

Nancy joins me in sending

you our warmest best wishes.

Sincerely, Ronald Reagan Dr. Herbert V. Shirley c/o Mrs. Bruce Coffey 3 Oak Knoll Terrace Pasadena, California 91106

WATER FARMING by Luther Thomas

Hydroponics is classed as a "Natural Science." "Natural Science" is defined as: "knowledge in dealing with objects of nature." The art of hydroponics is the application of plant life knowledge to achieve efficient plant growth and production. All hydroponic methods and systems are governed by the same laws of nature which apply to farming in soil.

The difference between soil farming and hydroponic farming could be summed up in one word, "CONTROL." Hydroponics is a system of integrated and interdependent controls which achieve three very impor-

tant objectives:

1. Healthy plant environment

2. Balanced nutrients

3. Efficient nutrient delivery

Soil farming cannot achieve these objectives as easily as hydroponics because the composition of soil varies so greatly due to such factors as mineral

deposits and drainage.

Confusion runs rampant when defining hydroponics. Unfortunately, the word "hydroponics" is meaningless when translated from Greek to English, the translation being "waterlabor" or "water-working." Nowhere is plant function specifically mentioned in translation. The word "hydroponics" can be applied to a hydro-electric plant or a dishwasher and be totally correct. I prefer to use a more specific and precise term than "hydroponics," my preference is "water farming."

I have found from experience that people understand the principle of water farming quickly, which simply stated is: "Bringing a balanced nutrient solution directly to the roots of a plant." By thoroughly understanding this simple definition, we open up new frontiers in gardening. The areas of water farming include all methods and systems which bring a balanced nutrient solution directly to the roots, such

as:

1. Drip irrigation

2. Wick or capillary action

3. Osmosis

4. Spraying

5. Flooding

Having had experience with all of these systems, in my opinion, all of

them perform well.

Water farming will never replace our valuable farmlands just as solar energy will never be our main source of energy. Water farming does serve an important need in many areas. The scientific community is one area where control is essential to research. Water farming is also reaching into the lives of millions of people who live in apartments, mobile homes and those homes with too little space to grow food. They now have the opportunity to participate in gardening.

Contrary to all beliefs and contemporary books written on the subject of hydroponics, inorganic solutions alone will not achieve the efficiency and nutritional food value that hydroponics is capable of offering. Inorganic substance must be blended and balanced with organic materials to equal the complex system nature has designed

for the welfare of plant life.

Soil bound plants are surrounded by an active living life support community of interrelated and interdependent acids, enzymes and micro-organisms. The organic gardener understands their importance and the necessary and vital role this community of life plays in plant environment and nourishment.

The hydroponic expert has ignored this life process in his attempt to simplify a very complex process. If he had examined more thoroughly the community of life below the surface he would have learned answers to many of the problems inherent in hydroponics, such as pH instability, nitrogen build-ups, toxic salt by-products and biological pollution. His answer to these problems was simple: "dump the solution!"

Nature solved those problems eons ago by creating a system of checks and

balances in soil. Micro-organisms known as chemoautotrophic bacteria will dispose of nitrogen build-ups. Organic acids and enzymes will stabilize pH, detoxify chemical reactions, act as a catalyst in releasing nutrient in a usable form, and dispose of excessive nitrogen. Another benefit from micro-organisms are the trace elements they supply to the plants (not found in ready mixed nutrients) which contribute to higher nutritional food value in plants.

Hydroponic growing beds and solutions are not immune from dead organic tissue such as bugs, roots and airborne matter. Decomposition of such material causes a problem if left to itself. Nature developed Humic Acids to render the problem of decomposition into a benefit for plant life. These very same Humic Acids are now available to the gardener commercially. Testing has been done using these Humic Acids on soil and in hydroponic solutions with amazing results. Experiments definitely show instant nutrient reactions, such as greater dissolvability, higher levels of nutrients suspension in water, and neutralized salts. Plants subjected to induced stress and nutrient deficiency revived within 48 hours, developed true coloring and new growth within 3 days. The Humic Acids tested were in combination with enzymes.

Hydroponic nutrient available to gardeners consists of inorganic substances which are harsh and lifeless without the mechanism to neutralize their chemical reactions and by-products. This situation can be changed with the addition of organic acids and enzymes. Research has proven organic additives will establish nature's perfected system in hydroponic growing, a system nature has developed over millions of years for the harmony and balance necessary for an environment conducive to plant nutrition and survival.

Frequent solution changes scheduled every two weeks as preached by most authorities is a blatant waste of

water, nutrient and life support systems which have taken weeks to develop. Organic additives are the missing link in hydroponic gardening. There are many hydroponic units in existence using organics with wonderful results. Organic acids, enzymes and micro-organisms have distinct functions, but all serve the same goal: the protection and nourishment of plant life in a healthy environment. Plants do react to their environment and by placing nature's system of interrelated checks and balances in hydroponic growing systems, your rewards will be higher nutritional food value, water conservation and less nutrient waste.

In summary, the "life" I refer to is a combination of living and non-living organic substance combined with inorganic nutrients. Used together, you can have the best of both worlds and to me that is what water farming is all about. How you care for your plant's environment and nourishment is what the end results will show. Don't be on the short end.

The subject of water pH is the most important and least understood function within a hydroponic solution. Its importance cannot be overemphasized if one wishes to produce healthy, abundant crops with high nutritional value. Water is nature's "miracle substance" because it has the ability to perform so many functions which maintain life. It is not surprising to find that water is the most abundant inorganic compound found in all living things.

Water possesses special properties unlike any other substance, it can dissolve and mix more chemicals, has great stability, and will participate in many chemical reactions within living cells.

All the activities occurring within plant cells are chemical reactions which must occur in the presence of water. It should be clearly understood that the pH of water will affect plant growth more than any other factor because water makes up 66 per cent of most plants' weight.

Whether growing in soil or in a hydroponic solution, neglecting the proper acid or alkaline water condition for plants is not just a matter of having nutrient lock-up as many believe, but the locking-up of cell enzyme activity within the plant.

Enzymes control and regulate cell growth but cannot perform their vital functions unless a specific pH level has been established in water. Enzyme activity is either reduced or inhibited when the pH of the water solution is above or below their own specific pH value.

Hydroponic solutions possessing unstable pH create a stop and go effect on plant growth as enzymes are very

sensitive to pH change.

Too low a pH reading in a hydroponic solution is potentially dangerous to plants as some enzymes when exposed to conditions of low pH become destructive to plant cells. These enzymes are classed as proteases which are protein digesting enzymes. These groups of enzymes are destructive to plant cells because the low pH of the watery fluid in the cell will remove an inhibiting portion of the enzyme, thereby causing the enzyme to catalyze and destroy the very substance of the cell itself.

I repeat, the importance of having a stable and correct pH for your Water Farms cannot be overemphasized. The several thousand enzymes in each plant cell which control, regulate, and increase the rates of chemical reactions within the cell are dependent upon water. All this cell activity is easily disrupted in hydroponics by not having the correct pH.

Here are some items readily available in your home or supermarket which will bring the pH of water to an acid condition. These items are not toxic or caustic.

- 1. Cream of Tartar (Household spice)
 - 2. Vinegar (White distilled)

3. Lemon Juice

4. Citric Acid (Home canning additive)

NEW CAMELLIA BOOK TO BE PUBLISHED

The New Zealand Camellia Society celebrates its Silver Anniversary in 1982, and the National Camellia Show and Annual Convention of the Society will be held in Rotorua, when it is expected that a substantial number of overseas members will join the celebrations. There will be a special historical edition of the New Zealand Camellia Bulletin.

The occasion will also be marked by the appearance of a major book, 'The Camellia Story', written by the Society's Founder President, former Editor, and current Patron, Colonel Tom Durrant. This will be internationally published by the well known firm, Heinemann Ltd. and will have over 200 illustrations in colour. Yvonne Cave, FPSNZ, ARPS, whose flower portraits have attracted world wide attention, has contributed a series of 80 outstanding camellia pictures, taken specially for the book.

The possibility of an anniversary edition, available only to camellia society members, is being discussed and details of this will appear later.

IMPORTANT NOTICE

Mrs. Mazie Jeane George Has Moved to Long Beach

The address is:

5675 E. Walton St.

Long Beach, CA 90815 Phone: 213-429-6269

Directory of Other California Camellia Socieites

CAMELLIA SOCIETY OF KERN COUNTY—President, Leland Chow; Secretary-Treasurer, Mrs. Fred R. Dukes, Jr., 733 Delmar Drive, Bakersfield 93307. Meetings: To be announced.

CAMELLIA SOCIETY OF ORANGE COUNTY—President, Marsha Zembower; Secretary, Mrs. Frances L. Butler, 1831 Windsor Lane, Santa Ana 92705. Meetings: 3rd Thursday, November through April, Santa Ana Fed. S & L Bldg., 1802 N. Main, Santa Ana.

CAMELLIA SOCIETY OF SACRAMENTO—President, Ann McKee; Secretary, Evalena Smith, 3330 McKinley Blvd., Sacramento, 95816. Meetings: 4th Wednesday each month, October through April, Shepard Garden & Arts Center, 3330 McKinley Blvd.

CENTRAL CALIFORNIA CAMELLIA SOCIETY—President, Al Taylor; Secretary, Mary Ann Ray 5024 E. Laurel Ave., Fresno 93727. Meetings: 3rd Thursday, November through February in Smuggler's Inn Motel.

DELTA CAMELLIA SOCIETY—President, Edith Mazzie; Secretary, Evelyn Kilsby, 11 Tiffin Ct., Clayton, CA 94517. Meetings: 2nd Wednesday, November through March, Central Contra Costa Sanitary Dist. Treatment Plant, (Imhoff Drive) Martinez.

LOS ANGELES CAMELLIA SOCIETY—President, Warren Dickson; Secretary, Mrs. Happy Stillman, 8159 Hollywood Blvd. 90069. Meetings: 1st Tuesday, December through April, Hollywood Women's Club, 1749 N. La Brea, Hollywood.

MODESTO CAMELLIA SOCIETY—President, Ron Kellogg; Secretary, Mrs. Helen Caputi, 800 E. Morris Ave., Modesto, Ca 95351. Meetings: second Tuesday, October through May, Downey High School, Coffee Road, Modesto.

NORTHERN CALIFORNIA CAMELLIA SOCIETY—President, David Hagmann; Secretary, Judith Toomajian, 18 Diablo Circle, Lafayette Ca. 94549. Meetings: first Monday, November through May. Chabot School 6686, Chabot Rd., Oakland.

PACIFIC CAMELLIA SOCIETY—President, Alice Neely; Secretary, Marcie Alltizer, 1253 Bruce Ave., Glendale, 91202. Meetings: 1st Thursday, November through April, Glendale Federal S&L, 401 N. Brand Blvd., Glendale.

PENINSULA CAMELLIA SOCIETY—President, Mrs. Chas. O'Malley; Secretary, Ali Henley, 1006 Sonoma Ave., Menlo Park, CA 94025. Meetings: 4th Tuesday, September through April, AMPEX Cafeteria, 401 Broadway Redwood City.

POMONAVALLEY CAMELLIA SOCIETY—President, Ronald Braid; Secretary, Dorothy Christinson, 3751 Hoover St., Riverside 92504. Meetings: 2nd Thursday, November through April, Pomona First Fed. S & L Bldg., 399 N. Gary, Pomona.

SAN DIEGO CAMELLIA SOCIETY—President, Ben Woodward; Secretary, Mildred Murray, 467 E. Fulvia St., Encinitas, 92024. Meetings: 3rd Wednesday, October through April, Casa Del Prado Bldg., Balboa Park, San Diego.

SANTA CLARA COUNTY CAMELLIA SOCIETY—President, Robt. Marcy; Secretary, Donna Hardy, 349 Condon Ct., Santa Clara 95050. Meetings: 3rd Wednesday, September through April, Allstate Savings 1304 Saratoga Ave., San Jose.

SONOMA COUNTY CAMELLIA SOCIETY—President, Woody Passinetti; Secretary, Mrs. Nona Passinetti, 295 Bloomfield Rd., Sebastopol 95472. Meetings: 4th Thursday, October through May, Piner Grade School, Santa Rosa.

SOUTH COAST CAMELLIA SOCIETY—President, Mazie George; Secretary, Mrs. Margaret Hanson, 3731 Linden Ave., Long Beach 90807. Meetings: 3rd Tuesday, September through May, South Coast Botanical Gardens, 26300 Crenshaw, Palos Verdes.

TEMPLE CITY CAMELLIA SOCIETY—President, Sergio Bracci; Secretary, Mrs. Alice Jaacks, 5554 N. Burton Ave., San Gabriel, Ca 91776. Meetings: Friday, Nov. 20; Fri. Dec. 18, Thurs., Jan. 28; Thur., Feb. 25; Wed., Mar. 25; Thur., April 22. At Lecture Hall Arboretum, Arcadia.

SOUTHERN CALIFORNIA CAMELLIA Society, Inc.

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