PROCEEDINGS
OF THE
116TH ANNUAL MEETING
of
THE FLORIDA STATE
HORTICULTURAL SOCIETY

Held at
Sheraton World Resort
Florida
June 8-10, 2003
FLORIDA STATE HORTICULTURAL SOCIETY

Board of Directors

2003

JOHNATHAN H. CRANE, PRESIDENT, 2003
HOMESTEAD

CHAIRMAN OF THE BOARD
WILLIAM S. CASTLE
LAKE ALFRED

SECRETARY
SALVADORE J. LOCASCO
GAINESVILLE

TREASURER
W. GARVIE HALL
BARTOW

PROGRAM COORDINATOR
STEVEN A. SARGENT
GAINESVILLE

SECTIONAL VICE PRESIDENTS

CITRUS
ED STOVER
FT. PIERCE

GARDEN AND LANDSCAPE
ANITA S. NEAL
FT. PIERCE

KROME MEMORIAL INSTITUTE
JIANG LU
HOMESTEAD

HANDLING AND PROCESSING
HUATING DOU
LAKE ALFRED

ORNAMENTALS
VAN DONNAN
TAMPA

VEGETABLES
MARY LAMBERTS
HOMESTEAD

EDITORIAL COMMITTEE
ED ETXEBERRIA, EDITOR
LAKE ALFRED

KROME MEMORIAL
JEFFREY WILLIAMSON
GAINESVILLE

CITRUS
JAMES J. FERGUSON
GAINESVILLE

GARDEN AND LANDSCAPE
MALCOM MANNERS
LAKELAND

ORNAMENTALS
GEORGE FITSPATRICK
FT. LAUDERDALE

VEGETABLES
JEFFREY K. BRECHT
GAINESVILLE

MEMBERS AT LARGE

CRAIG CAMPBELL
ORLANDO

HANDLING AND PROCESSING
RENEE GOODRICH
LAKE ALFRED

JOHN HUSTED
WINTER HAVEN
FLORIDA STATE HORTICULTURAL SOCIETY

Board of Directors

2004

Craig Campbell, President, 2004
Orlando

CHAIRMAN OF THE BOARD
Jonathan H. Crane
Homestead

SECRETARY
Salvadore J. Locascio
Gainesville

TREASURER
W. Garvie Hall
Bartow

PROGRAM COORDINATOR
Steven A. Sargent
Gainesville

SECTIONAL VICE PRESIDENTS

CITRUS
Joby Sherrrod
Labelle

GARDEN AND LANDSCAPE
Carol Cloud Bailey
Stuart

HANDLING AND PROCESSING
Mark Ritenour
Fort Pierce

ORNAMENTALS
Robert McMilan
Homestead

VEGETABLES
Ed Lounds
Apopka

KROME MEMORIAL INSTITUTE
Richard Campbell
Homestead

EDITORIAL COMMITTEE
Ed Etxeberria, Editor
Lake Alfred

KROME MEMORIAL
Jeffrey G. Williamson
Gainesville

CITRUS
Jacqueline K. Burns
Lake Alfred

VEGETABLES
Jeffrey K. Brecht
Gainesville

GARDEN AND LANDSCAPE
Elizabeth M. Lamb
Fort Pierce

ORNAMENTALS
Edwin R. Duke
Tallahassee

HANDLING AND PROCESSING
Renee M. Goodrich
Lake Alfred

EDITORIAL COMMITTEE
Ed Etxeberria, Editor
Lake Alfred

MEMBERS AT LARGE

Murray Corman
Davie

John Husted
Winter Haven
Performance of Low-chill Peach Cultivars in South Coastal California.

VEGETABLE SECTION

Hydroponic Production of Fresh Ginger Roots (Zingiber officinale) as an Alternative Method for South Florida

Interplanting Secondary Crops does not Affect Strawberry Yield

Management of Diamondback Moth, Plutella xylostella (Lepidoptera: Plutellidae) Using Various Chemical Practices

Hydroponically Produced Mini-cucumber with Improved Powdery Mildew Resistance

Trends in Fruit Yield and Quality, Susceptibility to Powdery Mildew (Sphaerotheca macularis), and Aphid (Aphis gossypii) Infestation for Seven Strawberry Cultivars Grown Without Pesticides in a Passively ventilated Greenhouse using Fine bark as Soilless Substrate

Initial Weed-free Period and Subsequent Yellow Nutsedge Populations Density Affect Tomato Yield

Density and Time of Emergence of Purple Nutsedge (Cyperus rotundus L.) Effects on Bell Pepper (Capsicum annuum L.)

High Risk Insect Pests: Monitoring and Diagnosis

Automatic Soil Moisture-based Drip Irrigation for Improving Tomato Production

Length of Irrigation and Soil Humidity as Basis for Delivering Fungicides through Drip Lines in Florida Spodosols

Visualization of Water Movement in Mulched Beds with Injections of Dye with Drip Irrigation

The University of Florida-IFAS Livestock Waste Testing Laboratory

Reduced Phosphorus Fertilization Effects on Yield and Quality of Sweet Corn Grown on a Calcareous Soil

Winter Strawberry Production in Greenhouses Using Soilless Substrates: An Alternative to Methyl Bromide Soil Fumigation

Plantlet Size Affects Growth and Development of Strawberry Plug Transplants

Performance of Bell Pepper Varieties Over Two Seasons in Southeast Florida, 2000-2002

Watermelon Yield and Size When Grown on Four Mulch Colors

Influence of Summer Cover Crops on Growth and Yield of a Subsequent Tomato Crop in South Florida

History and Agricultural Contributions of the University of Florida, IFAS, Hastings Research and Education Center, 1923 to 2002

Evaluation of Various Chemical Treatments for Potential as Methyl Bromide Replacements for Disinfection of Soilborne Pests in Polyethylene-mulched Tomato

Herbicide and Mulch Evaluations for Weed Management in West Central Florida Strawberries

Integrated Management of Thrips and Tomato Spotted Wilt Virus in Field-grown Fresh Market Tomatoes

Effect of 1,3-Dichloropropene and Chloropicrin on Purple Nutsedge (Cyperus rotundus L.) Control Under Two Mulches and Two Application Methods

New Miticides and Programs of Application for Control of Twospotted Spider Mite (Tetranychus urticae Koch (Acar: Tetranychidae) on Strawberry (Fragaria × ananassa Duch.)

The Effect of Methyl Iodide on Rhizoctonia solani, Meloidogyne incognita, Amaranth, Yellow Nutsedge, Grasses and Yield in Tomato

Red-skinned Potato (Solanum tuberosum L.) Variety Evaluation in a Sub-tropical Climate

ORNAMENTALS SECTION

Fort Lauderdale Winter Trial Garden

Dianthus 'Bouquet Purple' as a Potential Cut Flower for Florida is Influenced by Compost Amended Media as to Growth, Yield and Quality

The Morphology of Sunflower (Helianthus annuus) ‘Sunbright’ Grown as Cut Flowers Changes with Planting Date and Frost/Freeze Events
Effects of Controlled-release Fertilizer and Supplemental Magnesium on Leatherleaf Fern Froud Yield and Quality........................................ 189
Management of Diapreps Root Weevil, Diapreps abbreviatus (Coleoptera: Curculionidae), in Ornamentals............................................. 192
Sclerotium rolfsii Southern Blight on Brassidium Hybrid Orchid............. 195

CITRUS SECTION

Distribution of Total Polyphenolics and Antioxidant Potentials in Different Tissues of Citrus paradisi, Citrus grandis and Citrus sinensis........ 197
History of Bedding Citrus Groves in the Indian River District to Improve Drainage.............................................................................. 201
Irrigation of Young Flatwoods Citrus Trees ............................................ 205
Survey and Control of Brazil Pusley (Richardia brasiliensis) in Florida Citrus......................................................................................... 211
Canopy Hedging, Topping, and Skirting Effects on Yield and Fruit Quality of Valencia Oranges.......................................................... 215
Factors Reducing Fresh Grapefruit Packouts in Florida: Can Packouts be Improved? .......................................................... 219
Biological Control of the Citrus Leafminer with Ageniaspis Cytica (Hymenoptera: Encyrtidae) in Louisiana..................................................... 224
Role of Pesticides and Weather in the First Reported Outbreak of California Red Scale (Homoptera: Diaspididae) on Florida Citrus........... 226
Trunk Shaker and Abscission Chemical Effects on Yields, Fruit Removal, and Growth of Orange Trees...................................................... 230
Tree Skirting Effects on Yield and Quality of Valencia Oranges............. 235
Pest Status of Leaf-footed Bugs (Heteroptera: Coreidae) on Citrus in Louisiana.......................................................... 240
Correlation of Soil Characteristics and Diapreps abbreviatus Root Weevil Populations in a Poorly Drained Citrus Grove............................... 242
Young Tree Growth in a Flatwoods Rootstock Trial with Diapreps Weevil and Phytophthora Diseases....................................................... 249
Soil Redox Potential and Leaf Stomatal Conductance of Two Citrus Rootstocks Subjected to Flooding and Root Weevil Feeding............. 252
Response of ‘Hamlin’ Orange to Fertilizer Source, Annual Rate and Irrigated Area.................................................................................. 256
Ecolabeling for Florida Citrus ................................................................ 261
Development of “Tetrazyl” Rootstocks Tolerant of the Diapreps/ Phytophthora Complex Under Greenhouse Conditions....................... 263
Comparison of Rohde Red and Common Valencia Juice Color and Maturity......................................................................................... 268
Effects of Rootstocks on Yield and Fruit Quality of ‘Parent Washington Navel’ Trees .................................................................................. 270
Late-summer Topping Increases Fruit Size in Indian River ‘Murcott’ with Little Reduction in Yield......................................................... 275
The Role of Genomics in Citrus Improvement....................................... 278
Frost Control Rules............................................................................... 282
Valuing Catastrophic Losses for Perennial Agricultural Crops: Citrus as a Model.................................................................................... 286
The Costs and Value Loss Associated with Florida Citrus Groves Exposed to Citrus Canker................................................................. 289
Azafenidin Efficacy on Weeds and Seedling Safety in Citrus............... 294
Sprayer Air Energy Demand for Satisfactory Spray Coverage in Citrus Applications.................................................................................. 298
Listening to the Larvae: Acoustic Detection of Diapreps abbreviatus (L.) Trifoloxylsulfuron-Sodium—A Possible New Herbicide for Weed Control in Citrus...................................................................................... 302

GARDEN & LANDSCAPE SECTION

An Historical Perspective of the Environmental Horticulture Industry in Manatee County and Its Impact on Statewide Development........ 312

PRESIDENTIAL ADDRESS

Ladies and gentlemen, members of the board of directors, guests, friends, and members of the Society, welcome. It has been my honor and pleasure to serve the Society as President this past year. I have been lucky and blessed to have served with a dedicated and creative board of directors and with the numerous other FSHS volunteers this past year.

I must give special accolades to a number of people, while not officially on the board of directors, nonetheless have been key players in the Society’s work:

- Dr. Robert Stamps, Local Arrangements Committee Chair, who has done an outstanding job in obtaining sponsors and arranging the educational booths and displays for the annual meeting.
- Mr. Richard Tyson, Newsletter Editor, for not only putting together the newsletters but also organizing one of our special programs this year.
- Dr. Jackie Burns, Website Committee Chair, who has had the vision and tenacity to get our Society wired into the WWW, into the 21st Century which will help to increase membership in our Society.
- Ms. Jessica Feazell, our new Administrative Assistant/Accountant, who has really given us the financial information the Society and Board of Directors need for planning for the Society’s future.
- Ms. Tracy Shawn, our new Meetings Coordinator, who stepped into this position very shortly before this annual meeting and has done a wonderful job with all the details of the meeting that most of us never think about.

- Mr. Tom Wichman, Statewide Master Gardener Coordinator, for putting together the Master Gardener training program.
- Mr. Norman Todd, Chair of the Endowment Committee, who has worked to improve the financial underpinnings of the Society.
- Dr. Mary Lamberts, this year’s VP for the Vegetable section for coordinating once again the continuing education units (CEU’s) for our six sectional programs.

Thank you so much for your work on behalf of the Society.

There are several major attributes that members of most successful associations look for when joining and sustaining their membership in a group, including the Florida State Horticultural Society:

1. The organization fills a need in their professional and/or their personal lives. This gives the organization value and relevance to its members.
2. An organization with a clear mission and vision and that has a stable structure and financial underpinnings. Overall this has been true of our Society despite a decline in membership and funding.
3. An organization that is capable of introspection and change as the needs of its members change.

I don’t have to tell you that our world, our institutions, our greater society have changed during the past—I’ll even limit it to the past 20 to 25 years. The pace of change and life in the U.S. has accelerated along with our technological advances. Academic institutions have taken on more of a business model as opposed to the previous purely scholarly and academic pursuits and some government institutions and services to the public are being reduced and run more on a business model.

Business today has also changed drastically—from a local, regional, and national perspective to a more global reach and nature, from trade protection to open trade, business people in all areas including horticulture must not only focus on their particular product or production but have greater expertise in labor relations (workman’s comp, etc.), environmental regulations and sustainability, communication technology (fax, phone, two-way video, internet, etc.), and new technologies, and innovations. Business people have to always be looking to increase efficiencies in production and reducing costs. Today, horticulturists in business must be proficient at multi-tasking. They must maximize use of their time. They must evaluate how much they could potentially gain from attending a meeting (e.g., networking, information, certification), the more the better, and if the meeting does not offer enough value—they most likely will not attend. For example, what will my operation gain that will improve production practices, my expertise in my field or business and will this meeting improve my economic capabilities?

Today, for good or bad, many peoples life-styles have changed as well—we work harder, we play harder, and we try to do more things within the same time frame—this is the re-
ality and finding that “balance” between work, leisure, family, and outside interests is something we all struggle with.

So what does this have to do with the Florida State Horticultural Society? With an organization that fulfills its membership needs, with an organization with a clear mission and stability, and with an organization that is capable of introspection and change. Many of our recent past Presidents have listed the numerous contributions the Society has made to Florida horticulture over the years and it has been significant; many have discussed the history of our Society and how through its meeting and Proceedings, introduced new technologies, ideas, methods, and materials (i.e., plant cultivars, chemical, etc.), and met the informational needs and challenges faced by Florida horticulture.

Today the major issues faced by our Society include:

1. A declining membership and attendance at the Annual meeting.
2. A difficulty in attracting new members and sustaining previous members and loss of a sustaining income.
3. A reduced value to our Annual meeting and Proceedings. [What will I gain that I cannot get from other meetings and sources more quickly, economically, and get multiple rewards from? A questioned relevance to people’s professional lives.]
4. Providing information to its members quickly and in multiple formats (such as hard copy and electronically). This is not to say our Society does not provide relevant information it does, it is a question of how it is extending that information to its members, how it is remaining a value to people professionally and personally, and how it can change with the reality we have today.

This past year, under the able leadership of Dr. Bill Castle, Chairman of the Board and our Board of Directors we made good progress toward addressing the issues I just mentioned.

1. We created a new volunteer Administrative Assistant position. This person is charged with mostly financial accounting responsibilities for the Society and assists the treasurer better manage and predict the financial status of the Society.
2. We refined the position description and hired a new part-time Meetings Coordinator, whose primary responsibility is planning the Annual Meetings.
3. We added two “special” programs to our Agenda in an effort to improve our outreach to two constituents with a good potential to increase participation in our Society—I am speaking of the Florida Master Gardener Training Program and the Integrated Pest Management Cedilla. I am hoping we can offer 1 or 2 special programs each year which will add value to attending our Annual meeting and belonging to FSHS—both programs provide an educational opportunity and credit for continuing one’s education.
4. Under the leadership of Dr. Jackie Burns, the Website Committee has improved the Society’s outreach via the Internet—now one can join the Society, and register for the annual meeting on-line, download the forms for purchasing back proceedings and the publication instructions to authors, view the Annual meeting venue, and contact members of the Board of Directors and more all via the Internet. In addition, we can now send out our newsletter by e-mail, but this does not mean people without access to the Internet cannot receive all these things in the more traditional ways—mail, fax, and in-person. However, I am especially pleased to announce you can now view, search, and print all of the paper presentations from last year’s Proceedings of the annual meeting on line.
5. Credit goes to Dr. Ed Etxeberria and the Associate Editors for streamlining and improving the editorial procedures to assist our volunteer editors with the editorial process, and for producing the Proceedings in record time.
6. With the help of Norman Todd, Chair of the Endowment Committee we have established a new Efund where donations from individuals and corporations will be deposited and used toward supporting the electronic conversion of the Proceedings for placing on the internet. We will start with the most recent Proceedings and work backward with access limited to members only.

Next year I am hoping we will put forth several new initiatives including:

1. Publish more explicit directions for formatting and publishing non-scientific papers in the Proceedings. The observations, historical perspectives, and experimental results from Florida’s horticulturists are invaluable to Florida’s horticulture.
2. Make the cost of publishing the Proceedings self-sufficient. In the past we have relied on the page overcharges to support the publication of our proceedings—this was fine so long as government and state universities were willing to pay for publication of their staff and faculties papers that exceeded two pages. With the reduction in State and Federal funding, administrators will be looking to cut their expenditures and prioritizing their budgets and the days of support of this kind, I believe are numbered. As a Society we need explore alternatives including: limited advertising, print and bind on demand, and others in an effort to reduce the Society’s financial exposure to the cost of our Proceedings.
3. I also propose we plan the site of our annual meetings two to three years in advance so as to take advantage of potential savings in room and meeting costs.

In closing I want thank the board of directors for all their help and dedication to the Society and thank you for attending your Society’s annual meeting—have a great meeting.
Wayne B. Sherman

Wayne B. Sherman was born in Lena, Mississippi in 1940 and grew up on a small farm near the Pearl River in central Mississippi. He received his B.S. degree in Horticulture and his M.S. degree in Pomology, both from Mississippi State University. He then attended Purdue University, where he studied with Jules Janick and received his Ph.D. in plant genetics and breeding in 1966. For his Ph.D. research, he studied the inheritance of fruit characteristics in strawberries.

After leaving Purdue, Wayne came to the Fruit Crops Department of the University of Florida in Gainesville as Assistant Professor. For many years thereafter he and Ralph Sharpe conducted a low-chill fruit breeding program that focused on the improvement of low-chill blueberries, peaches, and nectarines, but also included work on apple, pear, plum, cherry, pecan and persimmon. By the time he retired from the Horticultural Sciences Department in 2003, Wayne had released or co-released numerous fruit varieties—more than 20 peach, 13 nectarine, 20 blueberry, 5 plum, 1 pear, and 1 pecan. Several of the peach and nectarine releases have become major varieties in Australia, Spain, Mexico, and in other subtropical areas with Mediterranean or desert climates. ‘Sharpblue’, a southern highbush blueberry variety released by Sherman and Sharpe in 1975, became the first commercially-cultivated low-chill highbush blueberry, and quickly lead to the founding of new blueberry industries in Florida and Australia. In addition, hundreds of thousands of trees of Wayne’s fruit varieties have been sold as dooryard plants around the southeastern United States.

Wayne was one of the first to recognize the great potential of the nonmelting flesh gene in peach to improve the shipping and eating quality of the fruit. He saw that the peaches available to consumers in the produce sections of their grocery markets were relatively tasteless compared to the sweet, aromatic tree-ripened fruit he could pick from his breeding orchard. He came to believe that the only way to deliver tree-ripened peaches to millions of consumers was to develop varieties that combined the nonmelting flesh gene with all the other characteristics needed in low-chill, early ripening, fresh-market peaches. When Wayne started breeding the new type of peach, few people that were involved with peaches thought the idea would work. Before he retired, he had released varieties that proved the concept and promised to make conventional melting-flesh peaches obsolete in the early market.

Wayne’s scientific research contributions were numerous and diverse. These can be followed by reading his hundreds of published articles. His most active areas of research were Prunus genetics and breeding, blueberry genetics and breeding, and the genetics and physiology of the chilling require-
ment in deciduous plants. No other person in any field of study has contributed more to our understanding of the chilling requirement than Wayne Sherman. Because his discoveries were based on field observations over many years, over thousands of genotypes, and at many locations around the world, he became aware of the complexity of the phenomenon and learned many of the rules that governed it. For example, to find out whether a new location gets enough chilling to grow a particular fruit variety, don’t calculate the number of hours below 45°F in an average winter (the old method). Instead, calculate the mean temperature of the coldest month and compare it with similar data from areas where the variety is growing well. To assess the chilling effectiveness of a particular winter in North Florida, don’t look at the cold received during the entire winter (the old method). Only look at what happened before February 10. Numerous other of Wayne’s rules of chilling have never been stated as well by anyone else.

Wayne is a master plantsman. For years, at the University in Gainesville, anyone who needed an explanation for a plant mystery seen in the field, any disease, any insect, any fertilizer effect, any herbicide damage, any weather damage, any reaction to pruning, irrigation, or other cultural procedure, would come to Wayne as the best source of information. Although Wayne never had an extension appointment, he spent thousands of hours helping fruit growers, whether they had a large orchard or a few trees in the back yard. His advice and assistance were much sought-after by nurserymen and growers throughout the world.

Wayne also made important and lasting contributions to the teaching program at the University of Florida. Not only did he teach various courses over the years (botanical micro-technique, perennial crop breeding, plant propagation, deciduous tree and small fruit production and others), but he also mentored numerous graduate students, many of whom have become leading plant breeders in the U.S. and around the world.

Beyond his scientific and educational work, Wayne has contributed much to the quality of life in the Horticultural Sciences Department at the University of Florida. While others might be worrying about budgets or complaining about University politics, Wayne would be in the field budding peaches or evaluating blueberries. Wayne frequently told people how great it was to be a fruit breeder, that he would be breeding fruit even if nobody paid him to do it. Those of us who have worked with Wayne and have shared his space and time will forever feel lucky to have known him.

Paul Lyrene, Horticultural Sciences Department, University of Florida, Gainesville
Herbert H. Bryan

Herbert H. Bryan graduated with a B.S. degree from the Horticultural Sciences Department of the University of Florida in 1953. From there he went to Cornell University where he earned a M.S. degree in 1961 and a Ph.D. in 1964 in the Vegetable Crops Department. In 1964, Dr. Bryan joined the University of Florida as an Assistant Professor at the North Florida Experiment Station in Quincy, Florida. He worked there for approximately three years on projects designed to help shade tobacco growers to convert their agricultural practices to other crops such as vegetables. Dr. Bryan first published in the Proceedings of the Florida State Horticultural Society in 1965 on the subject shade and the bio-climate in production of vegetable crops. He subsequently published numerous other articles in the Society’s Proceedings.

Dr. Bryan had a major impact in vegetable agriculture in South Florida after he moved to the Subtropical Experiment Station as Assistant Professor in 1967. Dr. Bryan became a full professor in 1978 and later served for a time as Acting Center Director. He worked closely with people at the Center as well as others throughout Florida and around the world in their endeavors to be vegetable farmers. He mentored several M.S. and Ph.D. graduate students as well as acted as a committee member for several other students. Dr. Bryan was vice-president of the Vegetable Section of the Florida State Horticultural Society in 1973, and organized and presided at the first Florida State Horticultural Society Symposium on Agricultural Labor. He won the Council Memorial Tomato Research Award in 1977, 1988, and 1991 and received the Best Paper Award in the Vegetable Section of FSHS in 1983 and 1998. Dr. Bryan was given numerous other awards by the Dade County Farm Bureau, and he received Annual Research Award from the Florida Fruit and Vegetable Association. In the spring of 2003, he received the Agricultural Pioneer award from the Dade County AGRI Council, Inc.

Dr. Bryan was best known for his quick smile and strong work ethic. He had traveled extensively especially in relation to his involvement with the American Society for Horticultural Science B Tropical Region, now know as the Inter-American Society for Tropical Horticulture. Dr. Bryan took a faculty development leave at the National Vegetable Research Station in Wellsborne, England in 1977. He helped organize an ISHS Symposium in 1985 in Tampa, Florida, and served on the Organizing Committee for a second ISHS Symposium in 1992 in Miami, Florida. Dr. Bryan was well known in Dade County and worked tirelessly with Dade County vegetable and horticultural producers to better their way of life and their horticultural production practices.

Sal Locascio, Horticultural Sciences Department, University of Florida
AWARDS OF THE SOCIETY

Presidential Gold Medal Award, 2003

JIANJUN CHEN

Presidential Gold Medal Award, 2002

GEORGE J. HOCHMUTH

Past Presidential Gold Medal Award Winners

1965: R. C. J. Koo
1972: J. W. Strobel
1973: C. A. Conover
1974: A. H. Rouse
1975: J. O. Whiteside
1976: C. R. Barmore
1977: J. F. Morton
1978: S. J. Locascio
1979: C. A. Conover
1980: J. H. Bruemmer
1981: W. S. Castle
1982: C. W. Campbell
1984: V. L. Guzman
1986: L. A. Risse
1987: A. G. Smajstrla
1988: W. B. Sherman
1989: D. G. Burch
1990: J. P. Jones
1991: A. R. Chase
1992: W. M. Miller
1993: H. K. Wutscher
1994: P. M. Lyrene
1995: J. M. Stephens
1996: J. P. Jones
1997: G. J. Wilfret
1998: S. A. Sargent
1999: R. C. Bullock
2000: J. H. Crane
2001: Shirley F. Anderson
2002: George J. Hochmuth
2003: Jianjun Chen
FLORIDA STATE HORTICULTURAL SOCIETY, INC.
AWARDS CEREMONY
Sheraton World Resort Hotel
June 8, 2003, 5:00 P.M.
Florida Bay I & II Room

AGENDA

Chairman Bill Castle, assisted by President Jonathan Crane, Sec. Sal Locascio and Program Coor. Steve Sargent

Best Paper Awards
(Proceedings Florida State Horticultural Society Volume 115)

Citrus Section

Garden and Landscape Section

Handling and Processing Section

Krome Memorial Section

Orchard Sections

Vegetable Section

President’s Industry Award

Council Memorial Tomato Research Award

Outstanding Commercial Horticulturist Award
Derek Burch, Masterworks Co., 4044 SW 4 St., Plantation, FL 33317 (Plaque and printed certificate).

Presidential Gold Medal Award, 2003

Orchards Section
Jianjun Chen, MidFlorida REC, UF, Apopka (Medal, printed certificate and $500 check).
Award granted to Jianjun Chen, MidFlorida REC, University of Florida, Apopka, for having contributed most to Florida horticulture through work published in the Proceedings of the Florida Horticultural Society over the preceding six-year period in the Ornamentals Section.

Honorary Membership
Wayne Sherman and Herbert Bryan.

Student Best Paper Award
First place, Alfred Villalta ($300) for paper “Sensitivity of Beit Alpha cucumbers (Cucumis sativus) to low -temperature storage” by A. M Villalta, A. D. Berry, S. A. Sargent, and D. J. Huber, Horticultural Sciences Department UF, Gainesville.
Second place, Ashwin Paranjpe ($200) for paper “Fruit yield and quality, susceptibility to powdery mildew (Sphaerotheca macularis) and aphid (Aphis gossypii) infestation trends for seven strawberry cultivars grown without pesticides in a passive-ventilated greenhouse using pinebark as soilless substrate” by A. V. Paranjpe, D. J. Cantliffe, J. K. Brecht, E. J. Brecht, and K. Cordasco, Horticultural Sciences Department UF, Gainesville.
Third place, Ufuk Koca ($100) for paper “Distribution of flavonoid glycosides, polyphenolics and antioxidant potentials in different tissues of Citrus X paradisi, Citrus pumello and Citrus sinensis” by U. Koca, B. Rathinasabapathi, and G. A. Moore, Horticultural Sciences Department UF, Gainesville.
### Presidents of the Florida State Horticultural Society from 1888 to Present

**HONORARY MEMBERS***

Anderson, J. B. 1922
Anderson, Shirley F. 2002
Beckenbach, J. R. 1967
Berckmens, P. J. 1893
Berger, E. W. 1940
Berry, Robert E. 1987
Bosanquet, L. P. 1924
Bryan, Herbert H. 2003
Burgs, Donald S. 1980
Calbert, David V. 1997
Camp, A. F. 1956
Campbell, C. W. 1988
Carotin, R. A. 1962
Chase, J. C. 1939
Childers, N. F. 1993
Clayton, H. G. 1956
Colburn, Burt 1970
Commander, C. C. 1952
Cooper, W. C. 1981
Dickey, R. D. 1968
Edsall, R. S. 1967
Everett, Paul H. 1986
Fairchild, David 1922
Fife, Willard M. 1955
Flagler, H. M. 1905
Floyd, Bayard 1944
Ford, Harry 1985
Forsee, W. T., Jr. 1973
Gaitskill, S. H. 1909
Gardner, Frank E. 1967
Garrett, Charles A. 1951
Goldhofer, Seymour 1984
Grierson, William 1979
Guzman, Victor L. 1987
Haden, Mrs. Florence P. 1934
Harding, Paul L. 1968
Hart, W. S. 1909
Hastings, H. G. 1939
Hatton, Thurman T. 1987
Hayes, Norman C. 1981

---

*Date year award made.

**OUTSTANDING GROWERS OR COMMERCIAL HORTICULTURISTS**

<table>
<thead>
<tr>
<th>Year</th>
<th>Presidents</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>Thullbery, Howard A. 1962</td>
</tr>
<tr>
<td>1991</td>
<td>Fred Saunders 1999</td>
</tr>
<tr>
<td>1992</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>1993</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>1994</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>1995</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>1996</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>1997</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>1998</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>1999</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>2000</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>2001</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>2002</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>2003</td>
<td>W. Grierson 1965</td>
</tr>
<tr>
<td>2004</td>
<td>W. Grierson 1965</td>
</tr>
</tbody>
</table>

---

*Date year award made.
The Florida State Horticultural Society is most grateful to the people and organizations whose names are listed below for their generosity in supporting the Endowment Fund. Every effort is made to keep this list of benefactors accurate and up-to-date. If any errors or omissions are seen, please report them to the FSHS office.

Contributors Whose Cumulative Donations Exceed $1,000

Norman F. Childers
William H. Krome
Ameda J. Overman

Contributors Whose Cumulative Donations Range Between $500-$999

Larry E. Beasley
Edgar D. Holcomb, Jr.
Norman Todd

Carl W. Campbell
Juliano H. Ibarra
Ted Winsberg

Contributors Whose Cumulative Donations Range Between $100-$499

William G. Adams
Hubert Graves, Jr.
John J. Morrison
E. L. Spencer

Calvin E. Arnold
William Grierson
Julia F. Morton
Robert H. Stamps

Jacqueline Burns
A. E. Hendy
Charles Obern
Mitchell Tress

Robert L. Byrnes
Stephen C. Huie
Richard Penoyar
U.S. Sugar Corp.

Craig A. Campbell
Larry K. Jackson
William H. Rollins, Jr.
Jodie D. Whitney

Charles A. Conover
Robert Knight, Jr.
Frank J. Rubino
Frank Zorn

Seymour Goldweber
Ronald H. Lehman
Santa Rosa Tropicales
Harvey B. Snively, Jr.

Other Contributors

Dr. M. Joseph Ahrens
Alpat Grove Care Service
Lake Brantley Plant Corp.
Charles Reynolds

Jack Amann
Paul J. Driscoll
Mary L. Lamberts
River House Marketing Corp.

Raymond Babb
Christine Dupuy
George S. Lambeth Jr.
Luther Rozar

Elizabeth A. Baldwin
Bob Egan
Wendel Martinkovic
Raymond Schnell

Carlos Balerdi
Syed F. Fazli
Mark S. Mattson
John W. Scott

Jessica Basso
Louis Forget
Richard T. Mayer
Ralph H. Sharp

Allen Bishop
Robert Freeman
James McClary
Joby Sherrod

Pam Brown
Stephen Garnsey
Ted McClary
Michael Skiscim

Don S. Bryan
Golden River Fruit Company
J. Peter McClure
Gerald Southwell

B-V Associates
V. L. Guzman
Charles Mellinger
Orrinna Speece

Frank Buis
Chesley B. Hall
Eugene A. Mixon
James M. Stephens

Dr. David V. Calvert
Thomas S. Hammond
Joseph Myers
Joseph P. Strazzulla

Armando Campos
Thurman Hatton
Robert E. Norris
David L. Sutton

Webster Carson
Norman C. Hayslip
John C. Norris
Michael T. Talbot

Dr. William S. Castle
Loretta B. Hodys
John Offers
Susan Thayer

S. Chandramohan
Holly Hill Fruit Products
Teresa Olczyk
Robert L. Tison

Robert Coleman
Horticulture Plus
Henry Ozaki
Tree Trimmers

Robert Cooper
D. M. Houghta
Phillip E. Parvin
Edward F. Tucker

Dr. Jonathan Crane
Howard Fertilizer Co.
Peace River Packing Co.
Vigoro Industries, Inc.

Richard J. Crawford
John C. Husted
Polk County Fertilizer
Robert M. Vincent

Alexander Caizinszky
Jeffrey B. Johnston
Edwin Prange
Dr. Will E. Waters

Robert R. Curran
Lloyd Karst
Craig Pressler
Tom Williams

Frederick S. Davies
Walter Kender
Walter Preston
Benjamin Wolf

Diamond R Fertilizer
John M. Kennedy
John Pulling
Henry D. Yonce

Spencer G. Douglass
Paul Klinger, Jr.
Reese Groves
John B. York

Rosemary Krezdorn
Herman J. Reitz
Bob Rebberg
Zeneca Ag Products

TOTAL, December 2003: $19,640.72