

the florida
gardener
may-june 1980



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Outstanding instructors for Symposium: Mrs. Paul H. (Frances) Frenzel—floral design—"Color—a Vital Force" and "Creativity and You". Mrs. Frenzel, who lives in California, has lectured and demonstrated in Europe, Mexico and the U.S.; and has received a special award from Holland for her design work.

Mr. Herbert Gundell of Denver, Colorado—horticulture; Arboreal classes, with aralea in particular; also "Judging Collections and Displays"; German-born, schooled in Switzerland, involved in garden club work, TV and radio shows since 1951.

Mrs. Sally Rahm—of Miami, Florida—Flower Show Evaluation. Long involved in garden club work, particularly in the area of flower show judging, Sally has been active in furthering floral design and flower show judging in Central and South American countries.

All cruise reservation details being handled by Boca Raton Travel, 499 E. Palmetto Park Rd., Boca Raton, FL 33432. Send for brochure. Advance deposit of \$250 per person required, with final payment of \$774 per person due by May 23. This cost includes port tax . . . outside cabin—2 persons to a room—all meals and picnic.

Direct all questions regarding symposium to Symposium Chm.: Mrs. Urban Kokenge, 4955 Lakeview Dr., Miami Beach, FL 33140.

Boca Raton Travel, 499 E. Palmetto Park Rd., Boca Raton, FL 33432.

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the florida gardener

Volume 28, Number 5

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May-June, 1980

THE COVER

"Cypress Gardens Fire", a new mutant of the croton family, was introduced to retail and wholesale nursery buyers in January and will be made available to the public in limited quantities this month. The fiery colors and long, thin foliage makes this an exciting new addition to our gardens. An article on "Cypress Gardens Fire" is to be found in this issue of *The Florida Gardener*. Photo courtesy of Cypress Gardens.

DEADLINES—for Sept./Oct., 1980 issue—*Editorial*—July 15; *Advertising*—August 1; *Circulation*—August 1.

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10 Probationary clubs—247 Members

PRESIDENT: Mrs. John G. Wood, Lake Otis, Winter Haven 33880

HEADQUARTERS: 1400 Denning Drive, Winter Park, FL 32789

Mailing address: P.O. Box 1604, Winter Park, FL 32790

Telephone: 305/647-7016

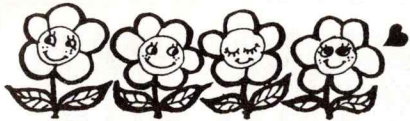
Editor—Mrs. William B. Lemons, 1330 E. Lake Cannon Dr., Winter Haven 33880

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Garden Path

Convention 1980 — 'The Wonderful World of Gardening' is now part of FFGC's history and so are the many programs and projects completed from May 1979 through April 1980. We were proud of your accomplishments as we listened to the reports of your District Directors and happy and thrilled for you as we presented the winning clubs, circles and individuals with their well-deserved trophies and certificates at the exciting "Flying To The Stars" Awards Banquet! Convention is a time of excitement and of sharing our many experiences. We are inspired to further achievements as we listen to the reports of our dedicated State Chairmen and District Directors. Mark your calendar now by circling the dates May 7 and 8, 1981 and plan to attend Convention 1981 at the beautiful Carillon Hotel on Miami Beach.

Referring to pages 4, 5, and 6 of the Sept./Oct. 1979 issue of *The Florida Gardener* and the article "FFGC... Blueprint for the Future," as you make your plans for the coming club year, will you please review the message and incorporate some of the projects outlined, into your club's projects for the coming year?

As we review the accomplishments of the past year, we see that many of you have made the protection of butterflies a part of your program. Plan now to add new dimensions to your activities and thus assure that our "winged flowers" will continue to survive. Did you see the new coloring book on butterflies at State Convention? This is to be used for your work with Junior Gardeners and other young children. Copies are available at cost from State Headquarters.

Were you one of the members honored at the "I Got One" reception at Convention or at the Spring District meeting, for recruiting a new member for FFGC? We were so happy to greet so many of you at these functions. You are performing a most important task! Resolve now to get one new member in the months ahead. Report your name and the new member's name to Mrs. Frank Lowe, FFGC Membership Chairman so we may

present your button at the Fall District meetings. Write State Headquarters for the free pamphlet "Grow With Us!" Distribute copies at all events where the public is invited—flower shows, bazaars and plant sales. Let others know what we are all about and ask them to become one of us!!!

We are excited about our progress with "Operation Wildflower"; FFGC's cooperative program with the Department of Transportation to bring Florida's native plants back to the interstate highways. Be sure to include in your budget a sum to buy seeds for a section of highway. The Department of Transportation will plant all you provide and in addition will institute a program of controlled mowing so that the seeds you plant today will return tomorrow! Study how to collect seeds and then organize seed gathering groups to harvest the crop at the proper time. Seeds harvested usually have high germination rates when planted nearby. Send to State Headquarters for your free list of wildflowers suitable for planting in Florida, where to obtain these and the cost per pound. We can make it happen! We can be responsible for bringing beauty to our highways and for conserving energy too! We are depending on YOU!

We have listened with a great deal of satisfaction to your increasing involvement with horticulture. Be sure to make horticulture a very basic part of your club's activities. Each year all of the members of The Garden Club of Winter Haven participate in the club's horticulture project. The club's Horticulture Chairman selects a plant to grow, researches the culture, acquires the plants and any special potting equipment. Each member receives her plant at the October meeting and is expected to keep records during the club year. At the May meeting either the plant, if transportable, or pictures are on display. This is a good way to involve each member in the fun and excitement of growing something new. Some report success—some report failures, but all report added knowledge!

June, July and August are Youth Months for FFGC. Wekiva Youth Camp is in session at our Wekiva State Park and August brings approximately 100 high school students to the University of Central Florida for the annual SEEK Con-

(Continued on page 22)

THE FLORIDA GARDENER



FOLLOW-UP ENVIRONMENTAL EDUCATION WORKSHOPS are being planned by garden club officials after participating in a workshop at Withlacoochee Environmental Center, March 27-31. The Withlacoochee workshop was sponsored by National Council, with the intention that participants would go home and conduct similar workshops in their own states. Shown discussing plans are (from left) Mrs. Carl A. Dahlgren, President NCSGC; Mrs. Genevieve Cousins, FFGC Chm. of Conservation of Natural Resources; Mrs. Carroll O. Griffin, 4th Vice President NCSGC and James R. Graban, Boise, Idaho, of Boise Cascade Corp., a forest products industry. Photo by Frank Fish, Brooksville, Fl.

EE Workshop Held for National Leaders

A four-day environmental education workshop, involving 44 garden clubbers from 33 states, was held at Withlacoochee Environmental Center late in March. Jointly sponsored by the National Council of State Garden Clubs and several companies from the forest products industry, the workshop attracted members from as far away as Alaska and Hawaii.

The purpose of such a workshop, as described by chairman Mrs. Harold E. Hewgley of Manchester, Tennessee, was "to allow key persons in each state to

experience the process approach to learning, and to train them to organize a workshop back in their home state."

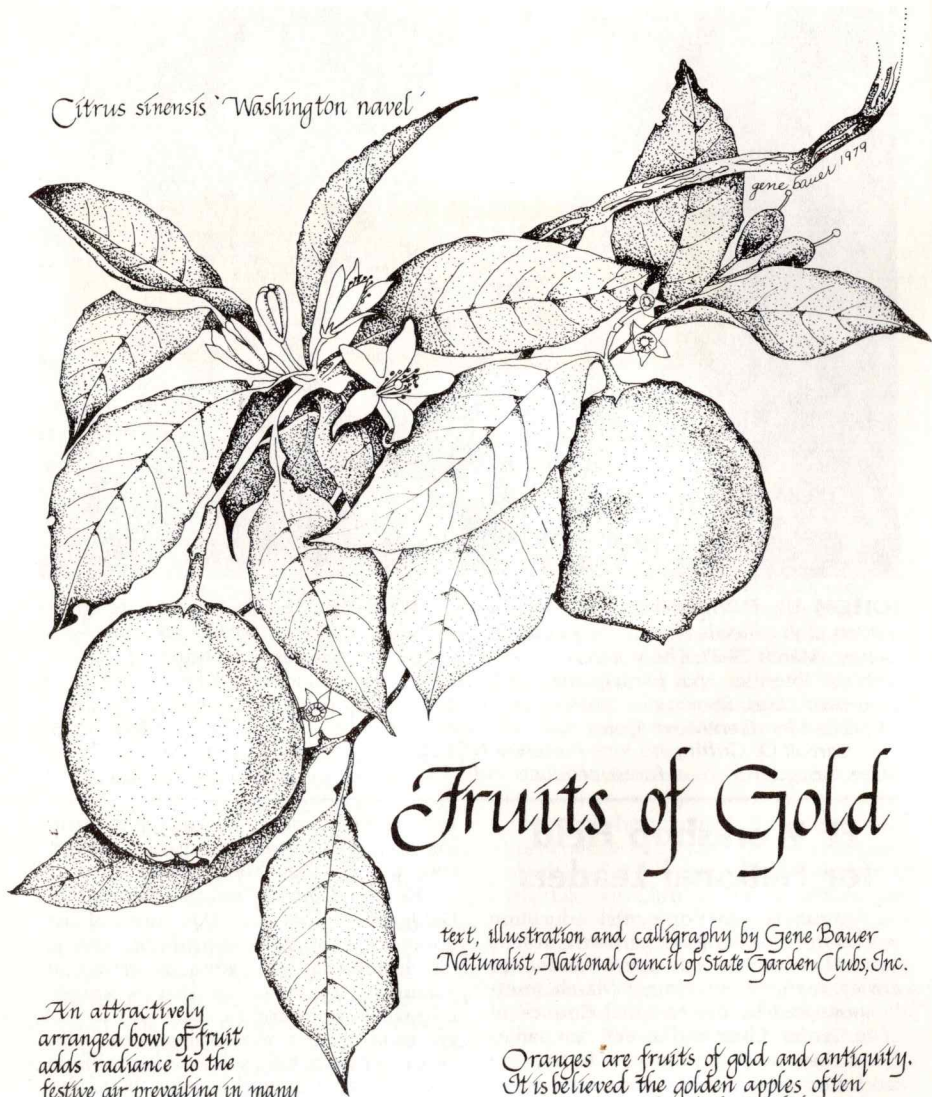
National Council President Mrs. Carl A. Dahlgren of Concord, N.H. stressed the importance of such workshops, saying, "Environmental education is aimed at producing a citizenship that is knowledgeable concerning the biological environment and its associated problems, aware of how to help solve these problems and motivated to work toward their solution."

FFGC President Mrs. John G. Wood, and Mrs. Carroll O. Griffin, 4th Vice President of National Council were among those in attendance.

NOTICE—SEEK '80 CHANGES

Please note change of address for SEEK '80 chairman Mrs. Daniel F. Connell. New address: Rt. 4, Box 644, Crystal River 32629. New registration chairman: Mrs. Marian B. Hilliard, 2902 Greenridge Rd., Orange Park 32073. SEEK '80 Energy Conference will be held Aug. 3-7, U. Central Florida, Orlando. For further information contact Mrs. Connell. For Scholarship information contact: Mrs. H. C. Durand, 625 Harley Circle, Deltona 32725.

Citrus sinensis 'Washington navel'



Fruits of Gold

text, illustration and calligraphy by Gene Bauer
Naturalist, National Council of State Garden Clubs, Inc.

An attractively arranged bowl of fruit adds radiance to the festive air prevailing in many homes during the months of November and December. Many of the fruits available at this time of year are golden. Among these are yellow apples, bananas, pears, grapefruits, pineapples, tangerines and oranges. The two fruits chosen to illustrate this article are not only golden but are often included in holiday traditions in many parts of the world.

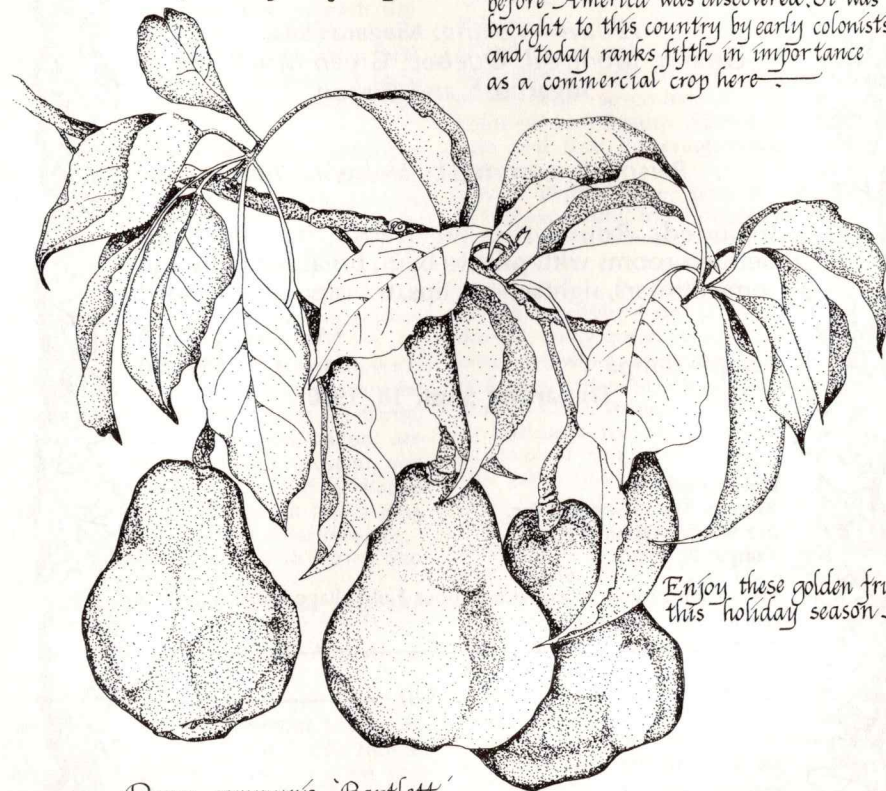
Oranges are fruits of gold and antiquity. It is believed the golden apples often mentioned in classical mythology were actually oranges. Throughout history oranges have been the fruit of gods, kings, emperors, the upper prelacy, the aristocracy and the upper middle classes. Until recently an orange was a luxury and a special treat at Christmas. Today the orange is available to and a favorite of everyone, in all seasons, everywhere.

Much of its popularity is due to the superb packaging with which nature has endowed it. Within a thick, sturdy rind may be found a sweet, juicy, perfectly segmented fruit. Its immunity to bruising allows the orange to be handled roughly and it is capable of traveling long distances without damage.

Indigenous to China, the orange migrated to southern Europe and was grown in the warm Mediterranean countries centuries before Columbus brought it to the western hemisphere on his second voyage in 1493. Today, the United States is the leading producer of this golden fruit.

Clothed in glossy evergreen leaves the orange tree provides an excellent lesson in elementary botany. On a single tree at one time it is possible to find unopened blossoms, open blossoms, tiny green fruit with their pistils still attached, small green fruit, large green fruit and mature golden fruit and even the small, dry, five pointed calyx of the stem end when the fruit has fallen from the tree.

Pears are another golden fruit especially prized for cooking, eating fresh and juicing into perry, a fermented pear cider. The pear is indigenous to western Asia and was growing in Europe long before America was discovered. It was brought to this country by early colonists and today ranks fifth in importance as a commercial crop here.



Enjoy these golden fruits this holiday season.

Pyrus communis 'Bartlett'

The Florida Gardener is grateful to Gene Bauer for allowing us to publish these beautiful pages, which originally appeared in **The National Gardener**.

Begoniaceae

By Mrs. William D. Howze
Horticulture Chm.

(Continued from Mar./Apr.
issue of *The Florida Gardener*)

Many varieties rest during the hot summer months and throughout this dormant period, which can last six to eight weeks, it is recommended that soil be kept barely moist and fertilizer applied sparingly, if at all. Later, as temperatures lower, new growth appears. This is our cue to increase water and frequency of fertilizer applications.

I have found this to be a very good time to repot or propagate new plants from tip cuttings and root divisions. Here is another "plus" for these beautiful plants. They can be so easily shared. Even healthy mature leaves of the rhizomatous and rex varieties can be rooted by the novice and become the source of many new plants. Petiole cuttings of 1-1½" are placed in a mix of equal parts vermiculite and sand, or a mix of equal parts perlite and milled spagnum. These sterile mixes are also good for tipcuttings. Moisten cuttings and place in a cool shaded area. For best results, do not allow to dry out. Usually, new plants develop from leaf cuttings within five to seven weeks. Be patient!

The new plants are most successfully transplanted if they are allowed to grow to a height of at least two inches before separation. Too often the anxious gardener transplants them before they have developed a self-sustaining root system. Roots are quite tender, so I always "puddle" the tiny plants into their new container to avoid damage.

Generally, the rex varieties require a soil richer in organic materials, more water, warmer temperatures and higher humidity. Because they are grown primarily for their luxurious foliage, they require less light. They are considered the most tropical of the Begonias, hence these slight variations in their culture.

Many books are available on Begonias and what I have shared with you are some of the things learned from them, but mostly they are things learned from personal experience in growing dozens of varieties of Begonias over a period of

(Continued on page 24)

Peperomia

By Mrs. Robert Hunter
Improved Cultivars Chm.

Peperomia was named for its similarity to the pepper plant. The name 'peperomia' is from the Greek—piper (pepper) and omorios—(similar to). There are over a thousand known species, but relatively few of these are in cultivation. During the past 10 years a good many of these species have been added to the cultivated list and hybridizers have produced many improved cultivars.

Most of the peperomias are small, low-growing plants, although one or two recently imported species have quite large leaves. They have a trailing habit and are thus admirably suited to hanging baskets. Since these plants are shade-loving and comfortable in temperatures between 50° and 75°, peperomia are first-class house plant material.

Peperomia should be watered sparingly in the winter but can take more water in the growing season. Occasional overhead spraying in the summer can also be beneficial.

Peperomias should be grown in a friable, loose potting mixture, rich in peat moss or leaf mold. Care should be taken not to overpot and to fertilize with a weak solution, because of their small root system. They like a good strong light, particularly in winter, but not direct sunlight.

The inflorescence is an erect catkin like a delicate green stalk, which gives a most distinctive look to the plants when in bloom. Propagation is by leaves, by stem cuttings or by division and may be done at any season. Both flowers and seeds of these plants are minute, and often are unnoticed.

Some peperomias, like the round-leaved *P. incana*, have very thick leaves, while those of the wrinkle-leaved *P. caperata* are comparatively thin. The varieties familiar to us all as the staple plants of the nursery trade are *P. argyreia* or *sandersii*, which is commonly called the watermelon peperomia because of the watermelon stripings on the leaves and red stems, which give it a very distinctive look.

P. hederifolia or *Griseo-argenia* is

(Continued on page 28)

Organic Gardening— Is it Time?

By Mrs. Robert P. Meier
Organic Gardening Chm.

The world's food problems appeared to be solved. Discovery and promotion of potent pesticides permitted farmers to discontinue crop rotation, while increasing yield. And yet, each year previously unthought of complications cause a re-evaluation of farming methods.

Complications that include, first, a rejection of foods "contaminated" by insecticides, by an increasingly large group of individuals.

A second complication is the development of resistant insects. The United Nations Environmental Programme has found that 223 agricultural pests have become resistant to nine of the major groups of chemical sprays within the last decade.

A third problem is the loss of top soil

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Indoor Gardening

By Mrs. Paul E. Newhouse
Indoor Gardening Chm.

In creating an indoor garden in your home, many kinds of decorative house plants can be used. The range of plants is vast and the choice can be difficult.

What plants should you acquire?

When choosing a new plant, ask your nurseryman for the plant's water, light, fertilizer and temperature requirements. He is a professional and he knows.

Remember:

1. Plants growing in shady house conditions grow slower than outdoors, hence need less water and fertilization.

2. Indoor plants are usually under stress and are more prone to insect pests, so watch for these and treat early.

3. A bright sunny windowsill usually needs sheer curtains to keep sun rays from burning leaves.

4. Rotate plants a quarter turn a week

(Continued on page 24)



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Cypresswood has four models of patio homes and a unique variety of single family residences. Write for information today!

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**409 E. CENTRAL AVENUE
WINTER HAVEN, FLORIDA 33880
PHONE 813-294-7681**

Bibliography of Organic Gardening Information

Compiled by Mrs. Robert P. Meier
Organic Gardening Chm.

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Organic Flower Gardening
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NATIONAL LIFE MEMBERSHIP . . . check the Book of Information for the number of persons holding them in your District and then *do something!*

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Florida Cypress Gardens Introduces New Plant

Florida Cypress Gardens, recognized for its trend-setting horticultural expertise, has "lit a new fire" in the botanical industry with the introduction of a colorful new mutant of the croton family.

Possessing unusual long, thin, vertical foliage marked profusely with brilliant reds, yellows and oranges, the wispy display of fiery colors mandated its name "Cypress Gardens Fire" CGF.

Such mutations occur occasionally in nature, but are usually found to be deleterious, or incapable of producing healthy growth and of propagating vegetatively on their own, when removed from the parent plant. CGF, however, is an exception.

While on a plant expedition in Australia four years ago, Mr. Dick Pope, Sr., founder of Cypress Gardens, and Robert Kundtz, Vice President of Horticulture at the Gardens, noticed a common linear-leaved croton (*Codiaeum Variegatum*) with a section of mutated foliage. A few cuttings were removed from the mutated plant shoot and returned to Cypress Gardens, where they were successfully rooted in a carefully-controlled mist bed. The subsequent growth habit was healthy and the mutation proved to be true, reproducing the desired mutated growth habit without reverting back to the parent plant type.

Kundtz and his nursery staff, headed by horticulturist Donald E. Hanna, continued to propagate the unusual croton, determining its adaptability to indoor and outdoor landscapes. After a number of years of testing, it was found that CGF displayed a multitude of outstanding qualities.

When grown in full sun, CGF really lives up to its name, bursting alive with fiery reds, yellows and oranges. As a shade-grown specimen, greens and yellows dominate.

The colorful, fine-textured, bushy foliage and compact growth habit makes CGF adaptable to a variety of uses. Planted as a border, it can be sheared into a formal box-shaped hedge, or used as a foundation planting. Allowed to reach upward and outward into a series of graceful fiery plumes, it can reach an ultimate height of five feet. Periodic pinching of new growth encourages bushiness. Single specimens

can be sheared into globes, or, when left alone, they take on a teardrop-shaped growth habit.

An excellent pot specimen, CGF is a real conversation piece on a porch or indoors by a sunny window. Its feathery texture and vivid coloration spontaneously create attention, even compelling the casual plant observer to reach out and touch to see if it is real.

Cultural requirements are similar to other crotons—they like to dry out a bit between waterings and develop best color and compact growth when receiving full sun.

Color is intensified by fertilizers high in phosphorus and potassium, but availability of organic matter is always desirable for the healthiest of plants. Potting media for CGF should be high in pH (6.8 to 8.0) and can be achieved by periodic light applications of finely-ground (100 mesh) dolomite. This can tie up micro-elements which can then be supplied in regular fertilizer applications. Soil should be well drained, and like other crotons, protection from freezing temperatures is

(Continued on page 22)



Cypress Gardens Cookbook

A Florida cookbook featuring citrus—seafood—and everyday good cooking for homemakers on the go.

Featured in Ladies Home Journal
Nov. 1974—Community Cookbook Series

\$6.95 + 4% Tax The Cypress Gardens Cookbook
P. O. Box 373 FG
Postage \$1.00 Winter Haven, FL 33880



Butterflies

The Monarch Butterfly

By Eve Riel Hannahs
Butterflies Chm.

Probably our most familiar butterfly is the Monarch. This is a large butterfly, (from 3.5" to 3.9") deep orange with black borders, veins and body; spots are mostly white. Monarchs are fortunate to be foul-tasting to predators; consequently they flaunt their beauty in open sunny places with slow, easy flight. At times they appear to be drifting in the breeze.

Their lazy manner conceals their ability for powerful flight, enabling them to migrate from as far north as Canada to winter in central Mexico. A mass migration is a never-to-be-forgotten sight. As they settle for the night, their host tree seems to be covered with orange-brown leaves. In spring the migration is scattered and more lengthy, as they lay eggs and die enroute. Their progeny continue the trip, laying eggs as they fly northward.

The Monarch larva are approximately 1" to 1½" long, with black, gold and gold-green bands around the body. There are two matching black filaments on the head and two shorter ones on the rear. The pupae is oval-shaped about ½" to ¾" long and is light green, turning black at maturity. The top usually has five metallic gold dots in a vertical pattern while the bottom has diagonal gold dots. The pupae are attached in a pendulous fashion to a stem or a leaf's undersurface not far from their host plant.

Monarchs may visit any plant for nectar but choose a plant near a member of the

Asclepias (milkweeds), *Acerates* (green milkweeds) or *Apocynum* (dog banes) to lay eggs in colonies—cream-colored, cone-shaped eggs with ribs and cross lines.

Monarchs are permanent residents of Florida gardens as they do not migrate from our state.

(Continued on page 24)

The Bartram Heritage Report

By Mrs. Charles H. Blanchard
FFGC Bartram Trail Chm.

The U.S. Department of the Interior has released The Bartram Heritage Report. Because of its size and the cost of mailing, paper and reproduction, copies will be available to those interested, for an unstated fee. Orders may be placed by writing to: National Technical Information Service, US Department of Commerce, Springfield, VA 22161.

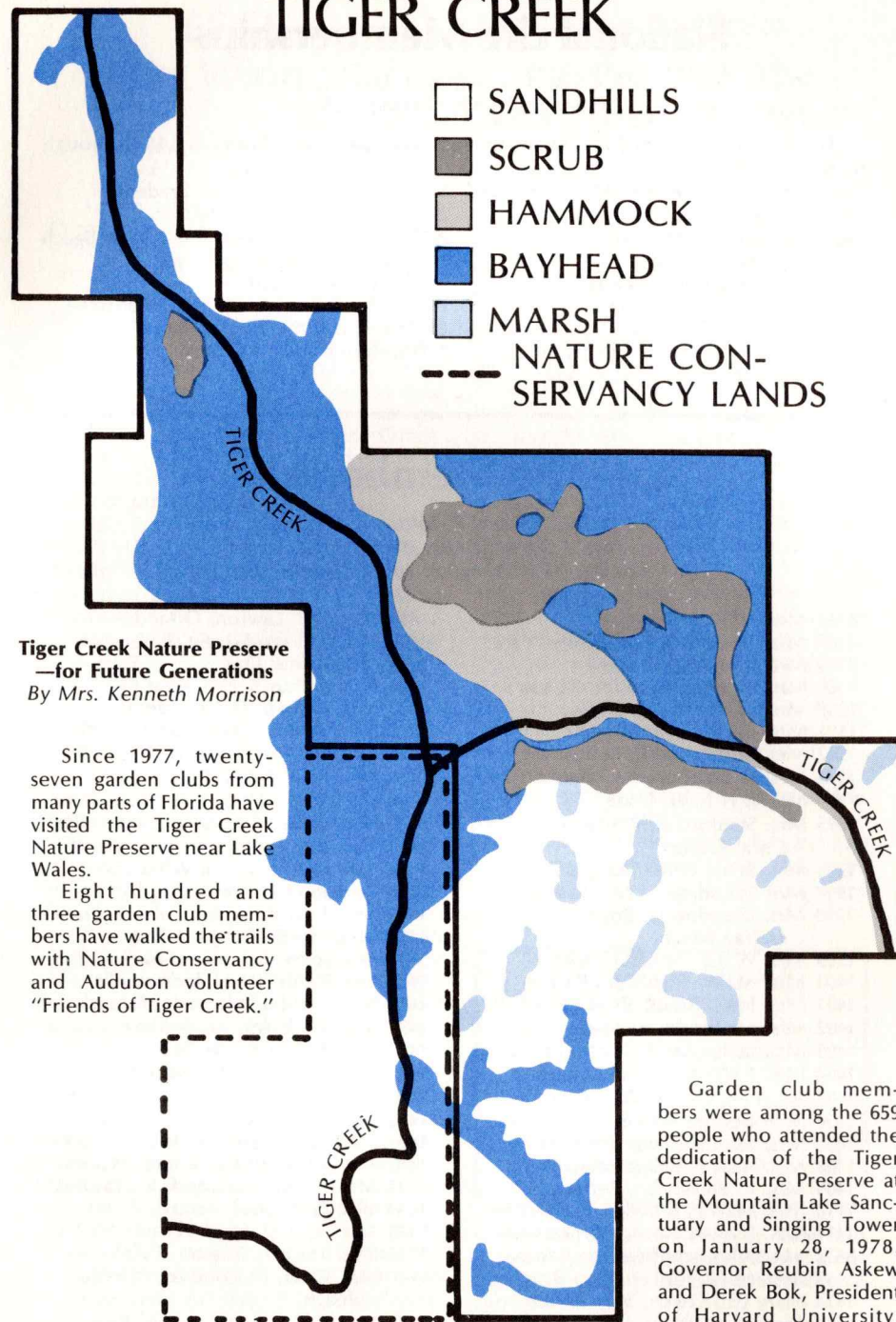
Mrs. Lillian Dillard Gibson, 11 Alice Dr., Volusia (P.O. Box 595, Pierson, FL 32080), has written a book review of The Travels of William Bartram. This 7-page review is suitable for program presentation. The price is not established, but monies will go toward a marker that will be erected on the Bartram Trail at the site of Spaulding's Upper Store.

SUGGESTIONS FOR DISTRICT AND LOCAL BUTTERFLY CHAIRMEN

By Eve Hannahs

1. Learn everything you can about your subject.
2. Collect pictures of butterflies in all stages, if possible.
3. Ask permission to give a brief report on a chosen specimen during your meetings. Make it a "show and tell" project.
4. Discuss the metamorphosis of the butterfly, describing the appearance of all stages.
5. List food plants of larvae, stressing native plants if possible. Bring available plant specimens. Suggest planting butterfly gardens in your yard or center.
6. Stress the importance of the butterfly in pollination.
7. Stress also, the fact that spraying and dusting, even with organic compounds, can destroy any or all of the stages of the butterfly.
8. Be the first to win the Butterfly Award. See the Book of Information. Everyone likes butterflies and will be interested in your beautiful subject.

TIGER CREEK



Garden club members were among the 659 people who attended the dedication of the Tiger Creek Nature Preserve at the Mountain Lake Sanctuary and Singing Tower on January 28, 1978. Governor Reubin Askew and Derek Bok, President of Harvard University, were the speakers.

(Cont'd. page 20)

National Life Memberships

By Mrs. Sidney R. Davis
National Life Memberships Chm.

The following National Life Memberships have been given from May, 1979 through March 12, 1980:

- | | |
|---|--|
| *2882 Mrs. G. Don Kelley, N. Fort Myers | 2935 Mrs. W. C. Johnston, Bradenton |
| 1890 Mrs. Julia Titus, Sebring | 2953 Mary M. Bickman, Stuart |
| 1905 Mrs. Gosman Wynkoop,
Belleaire Beach | 2957 Mrs. Robert Green, West Palm Beach |
| 2907 Mrs. Joseph W. Roberts,
Ponte Vedra Beach | 2958 Mrs. George R. Calhoun,
Ft. Lauderdale |
| 2908 Mrs. Stanley E. Russell, Key West | 2968 Mrs. Layman E. Carlile, Tallahassee |
| 2915 Mrs. Bea Thorn, St. Petersburg | 2931 Mrs. Loren Dodson, Naples |
| 2924 Mrs. Edward T. Starr, Tampa | * Transferred from Michigan |

State Life Memberships

Mrs. Edward R. Jordan, Chm.
11515 SW 97th Ave., Miami 33176
(contact for information and applications)

- | | |
|---|---|
| *1386 Mrs. H. H. Hill, Miami | 1418 Mrs. J. B. Lawton, Orlando |
| 1387 Mrs. Donald Dewar, Winter Park | 1419 Mrs. Millage Everett, Pensacola |
| 1388 Mrs. John Yost, Bartow | 1420 Mrs. Walter Oakes, West Palm Bch. |
| 1389 Mrs. G. Bowden Hunt, Bartow | 1421 Mrs. Arthur Rehm, West Palm Bch. |
| 1390 Mrs. W. H. Stuart, Bartow | 1422 Mrs. Barbara Taylor, Tampa |
| 1391 Mrs. J. I. Newton, Bartow | 1423 Mrs. Sam C. Olson, Lake Worth |
| *1392 Mrs. Robert Spiro, Jacksonville | 1424 Mrs. Eldred Tyson, West Palm Bch. |
| 1393 Mrs. R. Stephenson, Panama City | 1425 Mrs. R. B. Polak, Jacksonville |
| *1394 Mrs. J. F. Jeter, Dade City | 1426 Mrs. Edwin Duff, II, Daytona Bch. |
| 1395 Mrs. Stanford R. Romansky,
Coral Gables | 1427 Mrs. Lobie Blackmon, Panama City |
| 1396 Mrs. Sylvia Perez, Tampa | 1428 Mrs. Ray A. Warner, Lake Worth |
| 1397 Mrs. Sol Shnyder, Fort Lauderdale | 1429 Mrs. Everett Davis, Valparaiso |
| 1398 Mrs. Greydon G. Boyd,
Delray Beach | 1430 Mrs. John H. Davis, Bagdad |
| 1399 Mrs. W. G. Davidson, Bartow | 1431 Mrs. J. M. Chambers, Pensacola |
| 1400 Mrs. M. W. Bryan, Jr., Bartow | 1432 Mrs. Lon B. Wingate, Tampa |
| 1401 Mrs. Iris J. Rines, West Palm Bch. | 1433 Mrs. John C. Carden, Tampa |
| 1402 Mrs. M. Jacobs, Tampa | 1434 Mrs. Keith Keller, Jacksonville |
| 1403 Mrs. James Cook, Jr., Marianna | 1435 Mrs. Mahlon Manning, Tampa |
| 1404 Mrs. E. Tesdorpf, St. Augustine | 1436 Mrs. T. O. Adams, Bonifay |
| 1405 Mr. Wm. FitzGerald, Beverly Hills | 1437 Mrs. Parker Grant, Bonifay |
| 1406 Mrs. George White, St. Augustine | 1438 Mrs. Lyle McEwen, Miami |
| 1407 Mrs. John M. Fullington, Bartow | 1439 Miss Olga M. Kent, Coral Gables |
| 1408 Mrs. Alan E. Bell, Pensacola | 1440 Mrs. B. W. Allen, Tallahassee |
| 1409 Mrs. R. Shiver, Sr., Pensacola | 1441 Mrs. Ford DeHaven, Winter Haven |
| 1410 Mrs. Marvin Brooker, Gainesville | 1442 Mrs. W. T. Steele, Winter Haven |
| 1411 Mrs. Samuel Dunlap, Jacksonville | 1443 Mrs. W. M. Haywood, Jr., Tavares |
| 1412 Mrs. John Schiffmacher, Tampa | 1444 Mrs. G. T. Sims, Tavares |
| 1413 Bernice M. Meyer, Vero Beach | 1445 Mrs. Alex D. Stahl, Stuart |
| 1414 Mary Lou Owen, Vero Beach | 1446 Mrs. Thomas Chason, Tallahassee |
| 1415 Thomas O. Lawton, Indialantic | 1447 Mrs. R. W. Macomber, Ormond
Beach |
| 1416 Mrs. Victor Cheek, Indialantic | 1448 Mrs. Ray Greene, Winter Park |
| 1417 Mrs. Anna Fairty, Dade City | 1450 Mrs. J. R. Macher, Miami |

* Presented at Convention 1979

THE FLORIDA GARDENER

FFGC— Big Winner!

By Mrs. Hugh C. Simmons
FFGC Awards Chm.

At the annual Deep South Regional Convention in Biloxi, Mississippi, March 10-12, Florida won first place in eight categories—more than any other state!!

The Florida Federation won The **Jessie M. Conner Award in Landscape Design**, a new award given by Freda and Bob Rucker, honoring Mrs. Vernon L. Conner. It was awarded for FFGC's outstanding activity in the area of landscape design. The judges praised the work of the Critics' Council, the enthusiastic participation of garden club members and the involvement of public officials.

The Federation also received The **Clyde Greenway National Gardener Trophy** for having the greatest number of new paid subscriptions to *The National Gardener*.

Mrs. Allan D. Cruickshank, who has long been interested in the travels of William Bartram won the **Van Blanchard William Bartram Slide Award**.

Four of Florida's clubs received recognition for their programs.

The InterClub Council of Winter Park won the **Hubert Owens School Grounds Improvement Award** for landscaping their high school. The support and encouragement of the community and the Winter Park Garden Club helped this HSG group win this top award.

The **Mary Myrick Historic Preservation and/or Restoration Award** went to the Naples Garden Club for involving a large segment of the population in saving and converting the city's historic depot into a community and garden center.

For their excellent year-long horticulture program which stressed the theme of the National Council Horticulture Chairman "Let each garden club devote 50% of their programs to the subject 'Growing Things'", The Garden Club of Winter Haven won The **Ellen Griffin Horticulture Award**.

Panama City Garden Club won the **S & H Green Stamp Publicity Award** for their presentation showing excellent publicity for 1979.

Beverly Slisy of Sarasota was a first place winner in the Deep South Region

MAY/JUNE 1980

20th Birthday for Penal Therapy

"Ladies With The Little Green Thumbs"

By Mrs. Nelson H. Thorn
Penal Garden Therapy Chm.

Did you know? . . . there is a song that has been written to you? In the early 1960's inmates at Avon Park Correctional Institution wrote a song to all garden clubbers in appreciation for the work done in the "Prisoner Rehabilitation Program." As a part of the 20th Birthday celebration for Penal Garden Therapy, we wish to revive this song. All garden club members can feel proud to know that a song was written to them because of their work in this fine program.

Words to the song are: God took tons and tons of love and kindness, took a great big heart as warm as the sun, added beauty and faith and open mindedness; then He added a lovely Green Thumb. When I walk along enjoying the great gift of all things growing; beauty of the leaves, the buds, the flowers, I think of the care that's given by a group of pretty women—Ladies With The Little Green Thumbs. Bouquets for someone who's shut in always brings a ray of cheer in; brightens up a prison or a home. Angels asking no rewards; caring, sharing, working hard; Ladies With The Little Green Thumbs.

Copies of the music may be obtained by writing this chairman: Mrs. Nelson H. Thorn, 4301 13th Lane, NE, St. Petersburg 33703.

SYMPOSIUM—CRUISE
July 13-20, 1980
Aboard s/s Norway
(formerly the s/s France)
Depart Miami
Chairman:
Mrs. Urban Kokenge
4955 Lakeview Drive
Miami Beach 33140

for her entry in the **Smokey Bear and Woodsy Owl's Environmental Poster Contest**. The entry will be placed in National competition.

Our hats are off to these garden club members who put together prize winning projects and Books of Evidence!

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MORE ABOUT GERBERAS

A handy tip on gerberas from Wilhelmina F. Greene, whose beautiful cover on the March/April issue of *The Florida Gardener* caused such delighted response . . . if cut gerberas wilt or stems bend they may be miraculously revived by cutting stems under **hottest** tap water, then pour off water to a depth of an inch or two.

Our grateful thanks to Mrs. Greene, who has contributed in so many ways to the Florida Federation of Garden Clubs.

SEND MEMBERSHIP LISTS NOW!!!

All clubs and circles are urged to send complete, accurate, readable membership lists to: Florida Gardener Circulation, c/o Florida Federation of Garden Clubs, Inc., P.O. Box 1604, Winter Park, FL 32790.

DO NOT WAIT TO INCLUDE THIS LIST WITH YOUR DUES!! Please *alphabetize* your list: *original, typewritten lists only* . . . no onion skin or carbon copies. List all Life Members in FFGC (check your Book of Information if you are unsure) and all club codes.

Be neat, be accurate, be complete, and be on time . . . deadline **JUNE 1**. To be successful we must have the cooperation of everybody.

NATIONAL GARDEN WEEK

Americans are turning more and more to gardening as a way of survival, and the garden club movement is growing, as a result. Gardening is so vital now, that garden club members and farmers alike, would like to have a national week set aside each year to be known as NATIONAL GARDEN WEEK. The first week of June has been so designated in 1980, and all clubs are urged to celebrate this important movement.

FLORIDA SUMMER ANNUALS

Floridians, recently transplanted from the north, have trouble deciding what grows when, in Florida. Many summer annuals in the north become winter annuals in Florida. Hardy annuals that can take the long, hot Florida summer include: amaranthus, balsam, celosia, cosmos, cleome, coleus, gaillardia, marigold, morning glory, portulaca, salvia, sultana, sunflower, torenia, verbena and zinnia. There are others, but this is a good group to start with.

Annuals that will grow again if cut back, are: coleus, salvia, sultana, torenia, verbena and vinca.

DISTRICT IX DIRECTOR DIES

Mrs. Byron H. (Margaret) Comstock of Lakeland, District IX Director, died on February 20th. A past president of The Garden Club of Lakeland, Margaret was a member of Gloriosa Circle. An Accredited Flower Show Judge, and both National and State Life Member, she was deeply involved in a number of civic projects, and was a former Woman of the Year in Lakeland. Memorials for Margaret have been directed to 4 Mile Cove, Ecco-Park, a preservation project of District IX near Ft. Myers.

The new Director of District IX is Mrs. Lee A. (Vi) Thornburg, Jr., Rt. 1, Box 348, Auburndale, FL 33823 (813/967-6467).

SEND MEMBERSHIP LISTS NOW!!

In converting the membership lists to computer, hoping to improve service to all members of FFGC, it is imperative that all lists are received by June 1, as it will take the entire summer to prepare the new system. Use color-coded forms provided all presidents.

FFGC CANVAS TOTE BAGS

A limited supply of canvas tote bags bearing the FFGC Seal on both sides is now available as a Ways & Means Project at Headquarters. The bags come in two forms . . . vertical 12 x 4 x 14½ inches, and horizontal 14½ x 4 x 12. Either bag is \$5, which includes postage. An attractive, useful present for an outgoing officer, for a "thank-you" gift or just for you, because you're a darn good garden clubber. Order from: Ways & Means Chm., FFGC, Inc., P.O. Box 1604, Winter Park, FL 32790.

POISONOUS PESTICIDES

Question: I've just decided to grow a garden and want to avoid highly poisonous pesticides since I know nothing about them. How can I do so?

Answer: Highly toxic pesticides or restricted-use pesticides can only be purchased by permit holders who are bona-fide farmers or commercial or industrial users of the chemicals.

However, all pesticides can be dangerous if used improperly. Read the label carefully, store away from pets and children and contact your county extension director for expert advice on the use of pesticides . . . the number is usually found under the county listings in your phone book.—Consumer Services Coordinator, Dept. of Agriculture

EASTER LILIES

What to do with your Easter Lily plant to get maximum life? Probably by now it's looking pretty sad. If you were very kind and kept the pot in a cool bright spot, out of direct sunlight, you may still have some bloom left. But when it does get saggy and yellow start withholding water for a period of time until the soil is completely dry. Remove foliage and put pot in a cool, dimly-lit place until late spring. Then dig the bulb up and plant 6"-8" deep outdoors. Your lily may bloom again, or it may not, but it's worth a try.

RAIFORD FLOWER SHOW

The 1980 Raiford show will be held at the club house across the road from the Union Correctional Institution on May 15-17. The show will feature Philodendron and related plants, Hanging Baskets and Dish Gardens. The 75 men in the Penal Garden Therapy Program will participate in the 10 divisions of the show. Winning ribbons will be distributed to each participant this year, and it is planned to use local judges in place of garden club judges because of the energy shortage.

—from Bea Thorn, Penal Garden Therapy Chm.

ENCHANTED GARDEN CORNER

By Kathy Sample

Plant Distribution Chm.

"WILDFLOWER HILL" at FFGC Headquarters, Winter Park, should be blooming from July to August with Bartram's damask rose hibiscus and the big, red Hibiscus coccineus!

Hopefully, the cardinal flower will put on a show at that time with its six-foot stalks supporting long spikes of scarlet flowers, and hummingbirds, butterflies and bees will be busy pollinating.

Golden asters and goldenrods will dominate autumn's show of GOLD. You can grow native flora in a corner of your Florida garden.

Flower Show Calender


Mrs. Joe C. Robinson, Flower Shows Chm.
11080 Seventh St. East, Treasure Island, FL 33706
(Please register your shows with this chairman)

1980

- May 3-4, New Port Richey, **NATURE'S DRAMA**, Beacon Woods Garden Club at the Racquet Club; Mrs. Pat Fisher, Chm.
May 10, Dunnellon, **APRIL SHOWERS BRING MAY FLOWERS**, Rainbow Lakes Estates Garden Club at the Rainbow Lakes Club House; Mrs. William Webster, Chm.
May 10, Orlando, **DAYLILY SHOW**, Central Florida Hemerocallis Society and College Park Circle, Orlando Garden Club, at the Orlando Fashion Square Mall; Mrs. M. Wayne Johnson, Chm.
May 10-11, DeLand, **COME WALK IN OUR GARDEN**, The Garden Club of DeLand at the Garden Center; Mrs. Arthur C. Nielson, Chm.
May 17-18, Palatka, **TOUR OF HOMES**, The Garden Club of Palatka; Mrs. Dorothy Teeft, Coordinator.

EVERY MEMBER CAN HELP

EXHIBITION 50 provides a singularly important opportunity for National Council of State Garden Clubs to be seen and heard in Washington, to demonstrate its worth to this country and to the world. It is not reasonable to expect that all of the members of National Council of State Garden Clubs will be able to travel to Washington, but every member can help by giving just 50 cents. This may be a small amount, but with every member making a gift of 50 cents in honor of National Council's 50 years, each state and participating affiliate will receive a substantial amount of money to help ensure its representation at EXHIBITION 50.



MINIATURE ROSES
Nelson's Little Beauties (own root). Grow them inside or on the patio. Use as tub plants, in planter boxes, and for borders.

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book briefs

By Mrs. Pierre Thompson
FFGC Book Chairman

HORTUS THIRD, by Staff of the L. N. Hortorium, Cornell University.
Publisher: Macmillan Publishing Co., Inc., New York
Price: \$99.50

Again, this Chairman reiterates the exceptional quality of this concise dictionary of plants cultivated in the U.S. and Canada. Separate articles deal with important crops, such as blueberries; groups of plants—for example, conifers; and methods and materials, such as pruning and soils.

As with previous editions, **Hortus Third** will be for years to come the standard reference to the plants of North American horticulture.

RARE AND ENDANGERED PLANTS OF FLORIDA

Vol. 5: Edited by Daniel B. Ward
Publisher: University Presses of Florida
Gainesville, Florida

Sponsored by The Florida Audubon Society and Florida Defenders of the Environment in cooperation with the Florida Game and Fresh Water Fish Commission.

Of the many plant species that are declining in number, a relative few may be singled out for concern, because of their beauty, their historical interest, or their biological importance. These species are largely those that are now approaching the point where their remaining populations are in danger, and only prompt action can avert their disappearance from our flora. This inventory and analysis of these special species contains 69 that are believed to be endangered, 55 that are threatened, 44 that are rare and 2 that are of special concern. We appreciate the gift of this important book for our FFGC Headquarters Library.

ARREGLANDO MIS FLORES (Arranging My Flowers) by: Vita Sbotto de Silva Santisteban—Peruvian affiliate member of FFGC
Publisher: Celcopa S.A. 1976 Ave. Central 719 Lima 27, Peru

A complete description of flower arrangements, designing and the numerous uses of color. A thorough explanation of oriental arrangements with an extensive Japanese specialized glossary. Table arrangements include the use of china, crystal and silverware, as well as a small section on Peruvian recipes.

This is the first book written in Spanish on Flower Arranging and is required reading for Flower Show Schools given in Latin America. Even if you don't read Spanish, the illustrations make the meaning clear. Copies of the book may be ordered in the U.S. from: Sally Rahm, 5701 Biscayne Blvd., #202, Miami, FL 33137. Cost: \$35.00 each. (Delivery may take four to six weeks).

CLASSIFIED ADS

Rates: \$1.25 per 40 character line. Minimum ad: 5 lines at \$6.25. For further information, contact: Mrs. Crowell Dawkins, 4705 Clear Ave., Tampa, FL 33609.

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7 DROPS PER QUART WATER

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Concentrated, High Analysis — All Purpose — 20-30-20 crystals. Grows Vegetables, Flowers, Roses, Trees, Shrubs, Lawns, Etc., in Yards, Gardens, Greenhouses.
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Trees in Standing Water

Last summer's floods across much of Florida brought a flood of questions to Division of Forestry offices on how to save trees from water damage.

The answer is simple, though frustrating: there isn't much that can be done to save a tree from drowning. But fortunately it takes six to eight weeks of standing water to kill a healthy tree.

If the area around a tree is flooded for only a week or so, the tree will generally recover without any help unless it has been weakened by other problems. Some trees, such as tupelo, maple and cypress, are actually benefited by a fluctuation in the water table.

Leaves that turn yellow or take on a scorched look are one of the first symptoms of a drowning tree, caused by a lack of air getting down through the ground to the roots. If the tree is especially valuable or unique, some attempt might be made to create a drainage system and funnel away the water. This should never be done, though, by raising the ground level around the base of the tree, which would only suffocate the roots by soil instead of water.

Having a professional tree service trim back the top might also be helpful. Pruning a tree in trouble can often help by reducing the tree's requirements to sustain life.

It was inevitable that many trees died after last year's inundation, especially in Central Florida. The last 15 years have been generally deficient in rainfall and new trees have encroached upon areas where water once stood. Now that the cycle seems to have turned and water has begun to move back again, these young trees will have to adapt or die. Two of Florida's favorites, oak and dogwood, are among the species that don't appreciate changes in the water table.

Chances are good that any valuable mature tree has already been established on dry land and can survive these cyclical floods. If a tree still shows signs of stress two months after the water has receded, a call to your County Forester might be in order.

—Wood Words—The Florida Division of Forestry

Tiger Creek

(Continued from page 13)

Many people went to the Tiger Creek Nature Preserve after the ceremony for guided trail walks.

Twenty-eight school, scout and other groups have had guided field trips, which have brought 739 people. Fourteen groups have explored the creek by canoe.

Many people have made contributions to Tiger Creek in memory of friends and family, instead of flowers. A map showing acres contributed by individual garden clubs will be hung in the future headquarters of the Tiger Creek Preserve.

Arrangements for guided field trips may be made with Helen Morrison (Mrs. Kenneth) at Rt. 1, Box 81, Babson Park 33827 or by phone at 813-638-1614, or Audubon Center, P.O. Box 148, Babson Park 33827.

Groups meet at the Audubon Center in Babson Park; they may bring a picnic or have lunch at a nearby restaurant. Quite a few groups arrange to come in by chartered bus . . . thus saving gas! Groups of any size are welcome.

The tremendous help of the members of Florida garden clubs is greatly appreciated. Keeping this treasure of early Florida for future generations to enjoy could not have been accomplished without your help.

Tiger Creek Update

By Mrs. Hugh Manson
FFGC Land Trust Chm.

Tiger Creek Preserve continues to be the main thrust for American Land Trust activities. \$500,000 has been contributed to repay the national Nature Conservancy, which financed the original purchase.

Approximately \$100,000 is still needed to repay the loan and to purchase additional land to be added to the Preserve.

Since August, 1979, \$1,620 has been forwarded to the Conservancy from Florida Federation members. A map showing acres contributed by individual garden clubs will be displayed in the future headquarters planned for the Preserve.

Since August, 1979, twenty Federation clubs and circles have requested the FFGC slide program, which shows pictures of Tiger Creek. A State Award has been established by this chairman for Land Trust.

Apalachicola Estuarine Sanctuary Assured

By Mrs. Olin H. Brimberry
Director, Dist. III

Assurance of an Apalachicola Estuarine Sanctuary was secured late in September, 1979, when the Department of Environmental Regulations signed a grant from the Coastal Zone Management Agency of the National Oceanic and Atmospheric Administration, committing \$1.8 million in Federal funds and \$1.95 million in state funds. These funds will be used to purchase an additional 12,467 acres of land, hire a sanctuary manager and conduct research. The entire area comprises 192,758 acres. Most of this land is part of federal wildlife preserves, state parks or environmentally sensitive lands.

The grant offer also states that a five-year dredging permit must be developed, as well as a spoils deposition plan. The U.S. Corps of Engineers and DER are now working on these requirements.

In October, 1977, the Dept. of Environmental Regulations issued a one-year permit to the U.S. Corps of Engineers for maintenance dredging of an existing nine foot channel, assuring barge traffic on the river for 90% of the year. This action on the part of Florida relieved the opposition of Georgia and Alabama to the sanctuary.

Approval of this project creates a second estuarine sanctuary in Florida, making this the only state in the Union providing protection for two estuarine sanctuaries. Recently, Gov. Graham dedicated the Rookery Bay Sanctuary in Collier County.

FFGC interest in protecting the Apalachicola River, Bay and Barrier Islands began in April, 1977, when Mrs. Kitty Otto, a winter resident of St. George Island, Franklin County, walked into the April meeting of the Yaupon Garden Club in Carrabelle and announced "I want to be a member of your club." During the course of the meeting Mrs. Otto presented the need for community action in support of the Apalachicola Estuarine Sanctuary, stating that she felt that only an organization with the objectives of the State and National Federations of Garden Clubs had the foresight and concern for conservation and preservation of natural resources,

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as well as the will and the energy to promote education and public acceptance of the proposed sanctuary, which would prevent pollution of the river and bay and protect the seafood industry.

As a follow-up of Mrs. Otto's plea, an educational program featuring Harry McGinnis of the DER was arranged by the Yaupon club. The public was invited, as well as members of the Iris Garden Club of Wakulla County—at one time a probationary club of the Yaupon Garden Club. Both clubs became staunch supporters of the sanctuary, as did District III, District II and FFGC.

Prompt action by Dist. III Environmental Education Chm. Mrs. Raymond C. Puckett; Legislation Chm. Mrs. Donald C. Price and FFGC Director of Rare and Endangered Species, Mrs. John Kressman, contributed to the timely endorsement by FFGC.

Surveillance by dedicated conservationists in the Big Bend area is solicited, to insure that dredging is accomplished in other than spawning season, and that disposition of the spoils is accomplished as recommended by Dr. Robert "Skip" Livingston, professor of biology at Florida State University, in his research study of the river, bay and barrier islands.

Garden Path

(Continued from page 2)

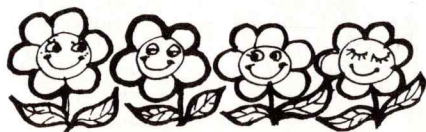
ference. SEEK 1980 will be devoted entirely to energy problems and possible solutions. You still have time to sponsor a student. Scholarships are \$70.00. You may also contribute to this program. All donations over \$15.00 are acknowledged with the certificates at District meetings. Write or call Mrs. Daniel Connell, FFGC SEEK Chairman for further details.

FFGC's second Cruise Symposium will sail July 13 on the ss Norway. We hope that many of you have planned to be with us during this week of Caribbean cruising to enjoy the fun of joining other garden club members for a week of travel and learning. Remember, all members may attend Symposium. This valuable learning experience is not limited to Flower Show Judges. As you make your travel plans for the coming years, please check the trips offered by Boca Raton Travel and Global Travel through the pages of *The Florida Gardener* and through direct mail. These agencies offer FFGC approved trips we feel will be of interest to garden club members. Be sure to check their itineraries. Then let us know how much you enjoyed your trip!

June 1st will soon be here and this is the deadline for forms to be returned to State Headquarters. *First* — please return your updated, corrected mailing list for *The Florida Gardener* Circulation. Your list is requested by this date so we may computerize the mailing list. *Second*—the forms requesting information to be used in preparing the Supplement to the Book of Information are due by June 1st. The Supplement is prepared and printed during the summer and it is essential that the information requested be received by June 1st. *Third*—please remember dues are due and payable by June 1st. Your consideration in observing this deadline is requested and very much appreciated.

Have a good summer! We will be looking forward to communicating again with you as we travel the Garden Path next September.

Em Wood



Cypress Gardens Fire

(Continued from page 11)

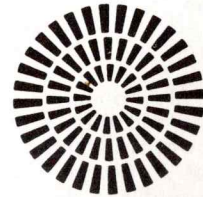
required.

Pests have not proved to be a serious problem with CGF. Mites (microscopic members of the spider family), normally the only pests encountered on crotons, prefer to inhabit the dry, shaded underside of leaves, avoiding the sun and water. However, mites seem to avoid CGF because its linear, vertically-oriented foliage leaves no place for them to hide from the sun, while the leaf shape itself exposes them to overhead watering.

Consequently, the cheapest and easiest mite control, if necessary, is a weekly vigorous spraying of the plant with water, using a garden hose. This method works well with all landscape plants, as long as the underside of leaves are also vigorously washed.

Cypress Gardens Fire was introduced to retail and wholesale nursery buyers at the Tropical Plant Industry Exposition (TPIE) held in January at Miami, Florida. TPIE is one of the world's largest trade shows devoted to the production and sale of decorative plants. Without a doubt, CGF was the talk of the show, well evidenced by the long list of those wanting information on its availability.

Limited quantities of CGF will be available as liners (rooted tips in a 96 cavity cell-pack tray) for 85¢ per tip. Earliest availability is May, 1980, with minimum order one tray, F.O.B. Cypress Gardens.



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Please send more information on the China Vista Tour to:

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Address _____ City _____

*Subject to change

Begoniaceae

(Continued from page 8)

many years in the Central West Coast of Florida. As I related, their culture is not complicated. Most respond to the same general requirements rather well.

There are, however, those few "odd balls" which one learns about the hard way. For example, some Begonias are best grown on the dry side. This is often true of those with very hirsute foliage or foliage with a woolly scurf. Once you drown a few of these, you will know more exactly the ones to which I refer! Incana and Woolly are two particularly notorious in this regard. When it is apparent that roots have rotted, try to salvage tip cuttings and resolve to be more careful.

In conclusion, an observation. Each of us has our own pet way of growing certain plants. Fortunately for all of us, most plants can tolerate and adjust to variations from their preferred cultural requirements. We have all noted that two plants of the same variety will perform equally well when grown under different conditions by two different gardeners. So then, which green thumb is right? Since none of us can argue with success, both gardeners are right enough. Both have the same variety of plant thriving even though each may be using somewhat different soil, varying amounts of moisture, light and fertilizer.

Long ago I learned never to say that one must absolutely do this or that to achieve success growing a particular plant, especially Begonias. Too often I found others growing them as well as I under somewhat different conditions. It is embarrassing to tell someone they cannot do something without dire results, only to be told emphatically, "I already did it and with great success, thank you!"

It is good that nature has provided all living things with a certain amount of flexibility. Otherwise, the exactness of gardening would become so tedious that few of us would enjoy it!

Recommended reading—free to residents of Florida. Request single issues from your County Extension Office, or write: Chairman, Editorial Dept., Institute of Food & Agricultural Sciences, U. of Florida, Gainesville 32611.

Begonias in Florida (Fact Sheet 16);
Wax Begonias in Florida (Fact Sheet 32);

Fibrous Rooted Begonias for Florida (Circular 449).

Operation Wildflower

(Continued from page 7)

Tips for storing and planting any wildflower seed that you may gather.

1—Always store in brown paper bag; mark the kind of seed, date gathered and the color of flowers that the seed produces.

2—Remember to leave some seed for self-sowing.

3—Most important of all, when seed is planted it MUST come in direct contact with the soil. All litter and grass must be removed before the seed is planted.

As more seed and information becomes available we will keep you posted. If you have seeds to share, please let us know.

**START YOUR OPERATION WILD-
FLOWER PROJECT TODAY!**

Monarch Butterflies

(Continued from page 12)

After several years of study in my south Florida garden, it has been noted that the caterpillars feed solely on milkweed. Many species of milkweed are grown in Florida; there is at least one for every area. North and Central Florida may grow the lovely native *Asclepias tuberosa* (butterfly weed), as well as species of *Acerates* and *Apocynum*. *Asclepias Curassavicae*, a native of Mexico and tropical America has naturalized in South Florida and is of easy culture; it reseeds itself and is classified as a weed by some gardeners; however, giving it space is amply repaid by the sight of one of our most beautiful butterflies—the Monarch.

Indoor Gardening

(Continued from page 9)

for even growth.

5. Note the beauty of foliage, the variety in shape, texture and form and the drama of color.

6. Hanging baskets and planters should be placed at lower than mid-window level to get maximum light ray benefits.

7. A recommended potting mix for indoor plants is: 1/3 moist peat moss; 1/3 perlite; 1/3 silica sand, or 1/2 peat moss and 1/2 perlite.

After selecting plants, growing them depends on the care you give them. The reward of a beautiful, healthy indoor garden will be most gratifying.

THE FLORIDA GARDENER

Reap a Spring Harvest

By Mrs. Hugh Simmons
FFGC Awards Chm.

Hey! It's that time of year again!

Want to be a winner in the Spring of '81? PLAN NOW!!

Decide on the interest and needs of your club. Suppose you decide on horticulture, an environmental project or program, a flower show, some special work with youth or the aged. Make a list.

Now turn to pages 69, 93, 115, 119 and 123 in the *Book of Information*. Look for the awards that pertain to subjects on your list.

Study these awards; plan with the list of requirements before you. Set some goals.

Load the camera . . . get some pictures before you start the project . . . or pictures of members participating. Decide how you can publicize the event. (It doesn't have to be in the newspaper!) Keep notes on all pertinent activities and finances.

All of this good planning will create additional interest in the club, and you'll have a better program, too.

Will We Recover?

By Alta Skinner
Ivy Garden Club
Gulf Breeze and Pensacola

What do we mean by "nature"?
Fire, water, earth and air?
Or does it lead to Creator—
This Universe so fair?

We live through the force of hurricane;
Is this a part of the plan?
Yes, this is one of the many ways
The seeds blow over our land.

Disasters, earthquakes, forest fires—
We recover as soon as we can.
The question we're asking today is:
"Will we be able to recover from man?"

Best of all, IF you apply for an award
and put together a good Book of Evidence
you will be a winner!!

P.S. We ask especially that you study
National Council and Deep South awards.
We need your winning entries so Florida
Federation will reap a spring harvest!

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by W. F. Greene

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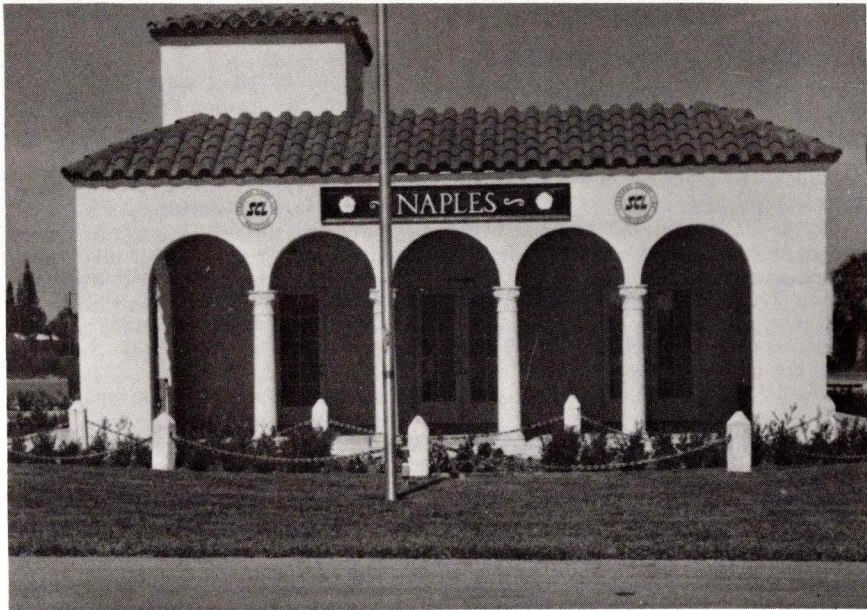
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THE DEPOT IN NAPLES, restored by the community, is now used as the garden and community center.

Naples Restores Old Depot

Late in 1975, with the bicentennial year close at hand, the Naples Garden Club pledged \$10,000 toward the purchase of the Seaboard Coast Line Depot, which was no longer in use.

Mrs. William H. Woolverton, president of the club at that time, said, "For some years, the garden club and the Naples Jaycees have been working on a plan to preserve the old depot . . . one of the few remaining historical sites in Southwest Florida . . . we feel this is the most fitting bicentennial gesture we can make and will assuredly leave our trowel print on history."

Various clubs and organizations of Naples joined together on the depot restoration not only to save the depot, but to provide a place for meetings, flower shows and exhibits.

By 1979 the depot had been completely renovated inside, but nothing had been done with the outside landscaping. With the coming of spring, 1979, members of the Southwest Heritage Landscaping Committee, composed largely of garden club members, working with a Landscape

Architect worked out an agreeable set of plans, utilizing hardy plants when feasible and "as much grass as we possibly could". Trees also had high priority, and black olive and mahogany trees were employed to provide shade for the blacktopped parking area. Native plant material—Sabal palmetto, and blooming trees for color were incorporated into the plans along with lush low-growing green shrubs and hedges.

Garden Club members have been closely associated with the restoration project, serving on the Board and in other capacities. The club has contributed \$25,000 toward the landscaping of the grounds.

Early in January, 1980 the depot was formally dedicated with speaker Randall Kelley, deputy Secretary of State commending the people of Naples for their time and effort in making the old depot a focal point in the community, calling this restoration "the perfect project".

Recognizing the value of such a project, the prestigious Deep South Mary Myrick Historic Preservation and/or Restoration Award was awarded to the Naples Garden Club this year "for involving a large segment of the population in saving and converting the city's historic depot into a community and garden center."

THE FLORIDA GARDENER

Miami Beach March Garden Walk

By Mrs. Walter B. Wilson
Publicity Chm.

Miami Beach garden club members played horticultural numbers games to help make their March Garden Walk an unusually enjoyable and instructive event.

The garden tour, sponsored by the Council of Garden Club Presidents, with Miami Beach Garden Club members as hostesses, included visits to the horticulture at five homes in the Miami Beach and Bal Harbour areas. The \$4 tickets sold to club members and their friends also entitled them to stop for a light luncheon and a plant sale at Miami Beach Garden Center and Conservatory. Mrs. George Sogg was Garden Walk chairman and Mrs. Matthew Bradley, club president.

The numbers games? One of the areas visited was a fantasyland of rare fruit trees at a Bal Harbour collector's home, which constitutes one of the largest collections of cold intolerant ultra-tropical fruit trees in experimental planting in the continental United States. There is only one other similar collection extant.

To help identify the largely unfamiliar trees, members Mrs. Jose Gilibert and Mrs. Paul Roberge cataloged and posted corresponding numbers at each of more than 33 trees. The lively catalog included both botanical and common names. (Example: Kepel Apple (*Stelechocarpus burahol*) from Java. First tree to fruit in the U.S. Eating fruit causes body excretions to have a perfumed odor).

A numbered map guided visitors through the collection.

More lively numbers: Hostess Chairman Mrs. Nicholas Tierney made sure she was enlisting "every garden club member able to help with maximum participation" by creating a mammoth chart studded with gold, red and green stars. The stars indicated where each member was to be deployed at which hour, and in what capacity, such as conducting tour-goers through the private gardens, serving lunch, hosting Garden Center activities. Star colors indicated which activity the member had signed up for. "It worked like clockwork. Almost everyone got involved," says Mrs. Tierney.

MAY/JUNE 1980

Milton Juniors Root African Violets

By Mrs. Joseph B. Cook
Milton Garden Club

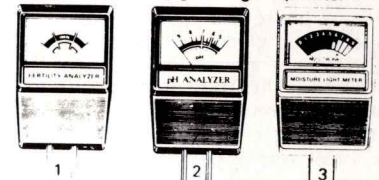
McDonalds have a sundae cup made of clear plastic that has a dome lid that makes a perfect container for small African Violet rootings or for other small plants. The lid is turned upside down, with a hole for the wick to pass through into the bottom container, which is filled with water and fertilizer that has been diluted to one-fourth strength.

Junior Gardeners of Milton Garden Club came to my house for their program. The local McDonalds had given me a dozen empty sundae cups and the girls took their rooted leaves and set the pot in the sundae cup, just as described above. The see-through cup will allow them to see when the leaves need more water. To the children, this was a big treat because they will always have a good excuse to get more ice cream and to root more leaves.

Next October we plan to have an African Violet show, exhibiting these plants and giving a prize for the best plant. The Juniors love this and all participate.

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Peperomia

(Continued from page 8)

known as the ivy peperomia. It is heavily indented and has a silvery grey overall appearance. "Blackie" is a mutation.

P. obtusifolia is probably the most common variety and has a variegated form which is often seen.

P. caperata or Emerald Ripple has attractive wrinkled leaves and is most charming in its variegated form—*P. caperata* Tricolor.

Other varieties seen more and more in cultivation are:

P. metallica with blackish-green leaves, has a silvery stripe and is red underneath.

P. nummularifolia is a miniature creeper with delicate leaves bordered and edged in white.

P. prostrata is also a miniature with delicate variegated leaves.

P. hirta has green leaves with a soft velvety texture.

These are a few of the varieties to be met with in today's market, but a little searching will uncover others.

Maitland Garden Club Has New Home

By Betty Valdez
House Committee Chm.

In 1963 George Morrison, Sr., gave land upon which the Maitland Civic Center was later built. The donation was made for the purpose of establishing a meeting place for community-related activities.

When the building of the center began, a house that was located on the property was given to the city of Maitland, and was moved to its present location on Lake Lily. The house is now known as the Morrison House.

Many organizations used the property, chief among them the Jaycees, who did extensive work on the house.

When Robert P. Howard, Parks Department Director, learned the Maitland Garden Club was looking for a meeting place, he encouraged the city to offer the Morrison House to the club.

In October, 1978, the club became the new tenants, and President Katy Simmons appointed a House Committee to look into renovating the house into a homey club for members. Under the enthusiastic leadership of committee chairman Betty Valdez, work was begun to convert a drab

interior into a cheery meeting place.

As work progressed, enthusiasm mounted and members responded with their support. Contributions were made to purchase chairs, and donations from members included a refrigerator, a stove, and an American flag, flag pole and stand. Non-members Robert R. Valdez and A. J. Vinci contributed their skills as carpenters and painters.

The renovation work started on September 5, 1979 and was completed by November 15, 1979, when an open house was held.

Many members gave their time and knowhow to this labor of love. Without their time and effort this comfortable club house would never have been possible.

District VI Tissue Culture Cloning

By Nathan F. Klein
Director District VI
For Arlington Garden Club—Ormond Beach

Tissue culture cloning is a highly scientific process which produces true, identical copies of the parent plant. New varieties of plants can be developed through processes of hybridization, available from the tissue culture process.

The process of cloning is now conducted in some 70 commercial laboratories that have sprung up in the United States during the past three years. It is rapidly becoming the main process of propagation for the commercial grower, as he can produce disease-free plants cheaper, faster, using much less space.

It is through the efforts of 22 years of research by Dr. Toshio Murashige, a scientist at the University of California, that we have cloned plants to work with today. His Murashige-Skoog salt mix, containing minimal organics, provides a suitable medium in which tissue cultures are started. The variety of plant being cloned decides what other nutrients are to be added to the basic mix. The nutrients are plant hormones that promote root initiation and shoot formation. There are three stages to the cloning process—the minimal organic, the multiplication and the pre-transplant.

The Horticulture Chairman of Arlington Garden Club became aware of the tissue culture cloning process when she was given two test tubes of African Violets, but no directions for removing

and planting them. Her "babies" were not happy after being planted in an egg carton, covered with saran and placed in the greenhouse, and she could fine no one who could tell her what to do for them.

She eventually contacted Mr. Randy Strode of Oglesby Laboratory in Hollywood, who arranged a tour through the lab and greenhouse—a most interesting and educational experience on tissue culture cloning. Mr. Strode showed a film entitled "An Invitro World" and answered many questions about this new method. When our chairman returned home, the two surviving African Violets were replanted properly and are now growing vigorously.

Her enthusiastic report to the board of Arlington Garden Club aroused a great deal of interest, and the club felt this exciting new process of propagation should be shared with all their members and the gardening public.

The club purchased 50 test tube babies to be used for a public program . . . Plant: *Spathiphyllum Clevelandii*; Place of Birth: Oglesby Lab., Hollywood, Fl.; Planted: 10/17/79. On the 17th October, the day of the public program, we were pleased to see local Community College and high school science teachers bringing several of their students to watch and learn from the program.

After watching the film, "An Invitro World," we were shown how to remove the plant from the test tube by emptying the entire contents into a container of lukewarm soluble fertilizer solution. The little plants were then dipped into a mild solution of physan and finally planted in ProMix, which had been wet with a soluble fertilizer solution.

Following the demonstration, each

club member removed and planted a test tube baby, taking it home to raise to a mature plant for the club. Members are to keep a monthly chart of the progress of the plant in her care and the chairman gives advice and encouragement at each meeting. Several test tube babies were given to the science teachers present for pupils' use and study in the classroom.

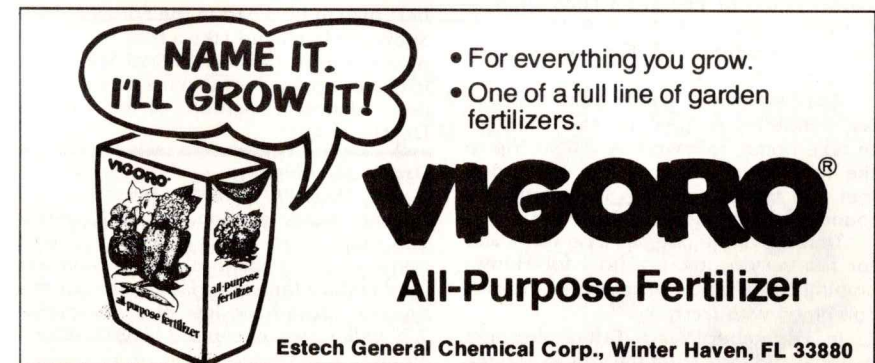
As a result of the Arlington public program, the horticulture committee is assisting two local high school students with the cloning of three types of plants, which they hope to enter in the Science Fair. The first stage was done December 11, using the Murashige-Skoog salt mix, containing minimal organics. We are anticipating the second or multiplication stage on January 15th, with hopes of doing the final or pre-transplant stage by the first week in February.

Englewood Club Works to Protect Beach

The Garden Club of Englewood (Dist. 8) has placed animal-shaped signs on Charlotte County Englewood Beach, urging beach visitors to put litter in the right place, and reminding them of beach restrictions. The sign placing was a joint effort of Charlotte County Recreation Department, Englewood Beautification Committee, Clifford Koskinen, a local artist, and The Garden Club of Englewood.

Two cedar planters will be placed in front of Englewood Post Office by the garden club, and as a club conservation project, members will sell sea oats to the public, encouraging people to plant this endangered species.

from Frances Wilson, Club Publicity Chm.



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FLOWER POWER HIGH SCHOOL GARDENERS of Pensacola, sponsored by Pineglades Garden Club, are shown hard at work planting a Golden Raintree on Arbor Day, Jan. 14th. Adults in picture include, from left: Mrs. Walter Armistead, Past President Pensacola Federation of Garden Clubs; center—Mrs. Mary Williams, HANDS Chm.; Mrs. Beulah Breeze, Tree Chm.; Helen Burluson and Jeanne Earnest, sponsors. Mrs. Earnest is club president. Photo by Dwayne Dixon, Pensacola News Journal

Pensacola Club Has New High School Unit

By Jeanne Earnest
Pineglades Garden Club

In September, 1979, 18 students at Woodham High School became charter members of Flower Power High School Garden Club, sponsored by Pineglades Garden Club of Pensacola Federation of Garden Clubs (Dist. 1), with Mrs. V. F. Burluson and Mrs. C. R. Earnest, sponsors, meeting at the school.

Our first activity was to plant sprigs of ivy, wandering jew, etc. for each member to take home, followed by a field trip to the Fall Flower Show, where the group met and talked with Van Blanchard, the founder of High School Gardeners.

To make money we had a car wash, and for fun we decorated a float for Homecoming with 2000 tissue paper flowers combined with fresh ivy.

In December Nancy Cotton brought material and instructed the girls in corsage

making. They took part in the Christmas Bazaar at the Garden Center and with instruction from the girls made homemade ornaments and decorated a tree for the student body.

Two golden raintrees were planted on Arbor Day on the school grounds, with good news coverage on WEAR-TV news and a picture in the paper.

Pineglades has donated a \$70 SEEK scholarship to a club member. Club members plan to take part in the Spring Flower Show in March and take a field trip to the nature trail at the University of West Florida, created by former Pineglades president, Sharon Creighton, as her Masters Degree project.

Organic Gardening

(Continued from page 9)

through water erosion. Formerly, nitrogen crops were raised and then plowed under as green manure. Soil erosion was inhibited by the roots. Elimination of this practice caused the loss of an estimated 1.79 billion tons of top soil in 1977. Illinois alone lost 160 million tons, or an average

of 6.72 tons per acre. Another 20% is lost yearly through wind erosion. Phosphates are becoming scarce; water shortages are common.

One method of soil conservation coming into use is strip crops. The U.S. Soil Conservation Service helps farmers lay their fields in strips. The rows follow the contour of the slopes, which slows water runoff. Close growing crops are sown alternately with crops that are less able to slow water.

An additional benefit of strip crops is the organic matter produced. Many farmers are now combining strip cropping with organic farming techniques and are producing yields equal to, or greater than, farmers using high levels of pesticides and fertilizers. Organic farmers do financially better on dry years, when their neighbors spend large amounts on irrigation.

How does all this relate to us as garden clubbers? Perhaps a complete change to organic gardening will not allow us to raise specimen plants. Perhaps, in the future, we may have to rethink the methods used to evaluate plants.

But for now, there are many organic methods that we can include in our routine. Incorporate organic materials into the soil. Mulch to prevent moisture loss, nutrient loss, for weed control, to prevent soil erosion, to moderate soil temperature and to reduce fruit rot by providing a barrier between fruit and soil. Rotate garden areas and plants.

Use only disease resistant plants. Hand-pick insects. Destroy severely diseased plants. Use a soaking hose beneath the mulch or spray in the mornings to prevent wet plants at night. Encourage natural predators. Learn to recognize insect friends. Use natural preparations for cater-

pillar control, such as *Bacillus thuringiensis*. Use sprays containing materials naturally found in plants, such as pyrethrin, rotenone and ryania.

Sterilize small amounts of soil by baking at 160°F. for one hour. Reduce nematode population in the ground by covering wet soil with black plastic and allowing it to sit for approximately three weeks.

It is the responsibility of all of us to help prevent continued build-up of harmful pesticides, to conserve water and to limit the use of petroleum products. Doesn't it seem time to start the move toward organic gardening?

Resume of Minutes

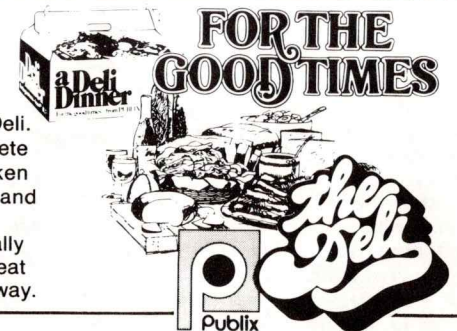
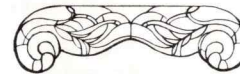
Compiled by Mrs. Melville Hall
Resume Chairman

Board of Directors Meeting
January 8-9, 1980
Headquarters, Winter Park

Board Members:

- Heard FFGC President Mrs. John G. Wood report on attending the National Council Fall Board Meeting in St. Louis, Mo., where all scholarships were increased \$500 to \$2,000 each; Deep South Region's recommendation that the NCSGC seal be used on markers for Bartram and other historic trails and a design for a pin and/or charm for Landscape Design Critics, soon to be available from Balfour's were accepted. Also, the FFGC publication "Send the Birds Back to

(Continued on page 32)



Good times begin at the Publix Deli. You'll find everything from complete Deli Dinners, including fried chicken and all the fixin's, to sandwiches and salads all ready to take out. And whether you're entertaining formally or casually, Deli platters are a great way to get the good times underway.

Resume

(Continued from page 31)
School" is part of information being promoted by the National Council Bird Chairman with credit to Florida. She urged the Board's support of the re-landscaping of Headquarter's grounds project, promotion of more 100% National Gardener clubs in Florida, and that all National Judges consider the possibility of becoming Flower Show Schools Horticulture and Design Instructors. President Wood also reported having helped work out details for implementation of "Operation Wildflower."

- Ratified appointment of Mrs. Stuart Smith, Mrs. Robert D. Inghram and Mrs. Maurice S. Dillingham as Legislation-National, Resolutions, Bylaws/Policy Chairmen, respectively.

- Accepted pertinent bylaws revisions to be presented for approval at the 1980 FFGC Convention.

- Attended a dedicatory ceremony around a Tabebuia tree, planted to honor Past National Council President Mrs. Vernon L. Conner who first landscaped Headquarter's grounds.

- Applauded as Henry S. Chillas presented the new Frances E. Chillas President's Pin, to be worn by each FFGC President during her term of office, to President Wood. The handmade 14K gold brooch, featuring enameled flowers highlighted with two diamonds, seven emeralds and 12 small cultured pearls—one for each of the Federation's districts—is fashioned with a loop allowing it to be worn as a pendant on a 20-inch 14K gold chain, which was included in the gift.

- Applauded again as President Wood expressed appreciation to Mr. Chillas for the beautiful pin; to Mr. and Mrs. George Morrison, Guardians of Gardening, who were special guests at the dinner, for underwriting the cost of re-landscaping Headquarter's grounds; and to Mrs. Ray Greene, designer of FFGC's Wildflower napkins and also a special guest, for donating two floral designs on playing cards which are available at Headquarters.

- Heard the Headquarters and Endowment fund balance is \$125,294.82, that the Contingency Fund balance is \$16,121.31, and that the names of Fran and Henry Chillas will be placed on the Guardians of Gardening Wall at Headquarters as the most recent additions.

- Enthusiastically endorsed Mrs. Carroll O. Griffin for Third Vice President

of National Council, 1981-83, and will send letters of endorsement to all members of the National nominating committee.

- Learned FFGC's Wildflower Garden, to be planted on the south end of Headquarter's property, is to feature hardy indigenous plants in large masses. The plants, in containers and representative of all districts, are to be brought to Headquarters.

- Federated **Lake Butler Garden Club**, (V); **Miami Beach Garden Center and Conservatory** as a Council, (XII); and heard a new High School Garden Club, sponsored by **Pineglades Garden Club** of Pensacola, has been organized, (I). Resignations of **Ferry Pass Garden Club**, (I), and **Kendall Lake Garden and Beautification Club** of Miami, (XII), were accepted.

- Were told donations totaling \$1,185 for Tiger Creek have been forwarded. Forty one FFGC and 10 National Council Life Memberships have been processed thus far in this administration.

- Heard outstanding historic preservation projects include **Callahan Garden Club's** plans to restore a 10-acre area, **Pierson Garden Club's** efforts to have Volusia township placed on the National Register, and **Naples Garden Club's** contribution to turning the "Old Depot" into a Cultural Center.

- Were urged to write President Jimmy Carter, U.S. Senators Lawton Chiles and Richard Stone, also his or her Congressman, backing S. J. Resolution 123 on the President proclaiming June 1-7 "National Garden Week," also to Hon. William F. Bolger, U.S. Postal Service, Washington, D.C., 20000, requesting issuance of a commemorative stamp for National Council.

- Accepted the bid of Cody Publications of Kissimmee to print 1800 copies of the 1980 Supplement to the Book of Information for \$2,415.

- Elected Henry S. Chillas, Mrs. E. R. Hunter, Miss Rosemond Meriwether, Mrs. Edward Smithers, Mrs. Broward McClelland, Mrs. Page S. Jackson, Mrs. George W. Horne and Mrs. Gustave Harrer as delegates to the Deep South Convention; and Chillas, Mrs. Kenton Haymans, Mrs. Hugh C. Simmons, Mrs. E. R. Jordan, Mrs. Joe C. Robinson, Mrs. W. Reese Harris and Mrs. Augustus F. Williams Jr., as delegates to National Council Convention.

- Saw the Certificate for Fifty Years of Service that was awarded FFGC at the October National Council Board Meeting.

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CALENDAR OF EVENTS

1980		
May	11-15	NCSGC Convention—Oklahoma City
	19-21	Landscape Design School, Series XI, Course IV—Chipley
June	1	Dues payable
	10-11	Board of Directors Meeting, Winter Park
	15-28	Wekiva Youth Camp—Boys weeks
	29-July 5	Wekiva Youth Camp—Mixed Session Grades 3, 4 & 5
July	6-26	Wekiva Youth Camp—Girls weeks
	13-20	Cruise Symposium
August	3-7	SEEK '80 Youth Environmental Conference—U. Central Fla.
September	11-13	Exhibition 50, Washington D.C.
October		Fall District Meetings
	13	District XII—Coral Gables
	14	XI—Lake Placid
	15	X—Belle Glade
	16	IX—Arcadia
	17	VIII—Tampa (Davis Island)
	20	VI—Deltona
	21	VII—Leesburg
	22	V—Silver Springs
	23	IV—Palatka
	24	III—Madison
	27	II—Quincy
	28	I—Destin
	29-31	Landscape Design School, Series XII, Course III—Winter Park
December	2-3	Symposium, Tampa
1981		
January	27-28	Tropical Short Course, Miami
March	16-18	Deep South Regional Convention
April	3-5	State Flower Show, Tampa
	7-9	Short Course, Gainesville
	19-23	NCSGC Convention, Atlanta
May	7-8	FFGC Convention, Carillon Hotel, Miami Beach