

The Florida

GARDENER

MARCH-APRIL 1977



CALENDAR OF EVENTS

Board of Directors Meetings:

April 25, 1977—Tampa
June, 1977—Headquarters, Winter Park

Coming Events:

1977:

March 8-10, Deep South Regional Convention, Savannah
March 15-17, University of Florida Short Course, Gainesville
March 20-26, Blanche Covington Nature Study Course, Wekiva
March 26-27, State Flower Show, "Florida—Challenge To Beauty", St. Augustine
April 4-6, Landscape Design Study Course, Series 8, Course IV, Lake City
April 12-14, Flower Show School #IV, Tampa
April 19-21, Landscape Design School (Bilingual) Series IX, Course 2, Miami
April 26-27, State Convention, Tampa

Annual Presidents' Conference

| | | |
|------|----------------|--------|
| I | DeFuniak | May 3 |
| II | Lynn Haven | May 4 |
| III | Monticello | May 5 |
| IV | Jacksonville | May 16 |
| VI | DeLand | May 17 |
| VII | Mount Dora | May 18 |
| V | Rainbow Lakes | May 19 |
| VIII | Clearwater | May 20 |
| IX | Port Charlotte | May 23 |
| X | Lake Worth | May 24 |
| XI | Hollywood | May 25 |
| XII | Miami | May 26 |

May 3-4, Spring Symposium, Buena Vista, Orlando
May 3-26, FFGC Officers Spring Tour
May 8-13, NCSGC Convention, Kansas City, Mo.
June 19-25, Wekiva Youth Camp, Boys
June 26-July 2, Wekiva Youth Camp, Boys
July 3-9, Wekiva Youth Camp, Girls
July 10-16, Wekiva Youth Camp, Girls
July 17-23, Wekiva Youth Camp, Girls
August 7-10, SEEK '77, FTU Campus, Orlando

1978, Deep South Regional Convention, Orlando
1979, State Convention, District XI
1980, State Convention, District IX
1981, State Convention, District XII
1982, State Convention, Panama City, Districts I and II

The Florida GARDENER



Official Publication of the Florida Federation of Garden Clubs, Inc.
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Member of National Council of State Garden Clubs, Inc.

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

395 CLUBS • 671 CIRCLES • 29,730 MEMBERS

9 Probationary clubs—335 Members

President: Mrs. Homer Gwinn, 3774 N.W. 3rd Ave., Boca Raton 33431

VOLUME 25

1977

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**Deadlines for
May-June issue**
Editorial—March 15
Advertising—April 1
Circulation—April 1

About The Cover

SARRACENIA MINOR (*Hooded Pitcher Plant*) SARRACENOACEAE. Growing 10 to 12 inches tall in clumps in bogs and pinelands. Blooms in April and May. Found throughout the state, with a southern boundary of the north shores of Lake Okeechobee.

Photo by Mrs. John DeMarchi, *Wildflowers—South*, Chairman

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MARCH/APRIL 1977

President's Report

The next few months will be teeming with events developed by your Florida Federation. To enhance your enjoyment in garden club education, gather with your fellow gardeners in attending study courses and occasions listed below.

Tropical Short Course, just completed, was an unqualified success, and Chairman Elsie Montgomery and her committee have our deep appreciation. But there's more—

March 15-17, Short Course, University of Florida. A course of great scope and variety planned by our effervescent Lib Harrer.

April 4-6, Landscape Design Study Course, Lake City, Series 8. This will be the 4th and final course of this series and Chairman Lassie Black has again contracted for the best talent available.

April 19-20, Landscape Design Study Course, Miami. This is our bilingual school. Series 9, Course 2. Chairman Jean Wooten has enlisted a staff of talented instructors. We have a great need for Critics from this area and we urge our members to enroll in this school.

March 20-25, Blance Covington Nature Study Course. Chairman Alyene Hays has planned a comprehensive course for youth leaders in new methods and approaches to the teaching of our young people.

STATE FLOWER SHOW—"FLORIDA—CHALLENGE TO BEAUTY" March 26-27 in St. Augustine. We realize that the most devastating winter in Florida has made history but we know that all of our members have given lots of TLC to their plants and will make another kind of history in our FLORIDA STATE SHOW.

STATE CONVENTION in Tampa, April 26-27 will be another gala event with fascinating speakers at all meal functions and at the workshops. We will again have reserved seating at all meals to avoid the "mad scramble", and under Chairman Dot Fritch's direction this convention will be as joyous and enlightening as our convention last year at the Carillon.

This year we are planning a mid-year **SYMPOSIUM.** This is sponsored by the

Federation and the Florida Judge's Council. May 3-5, Carlton House, Orlando.

National Council Convention, Kansas City, May 9-13. This is always a glamorous occasion as we meet members from all of the 51 federations.

NEWSWORTHY INFORMATION: Our youth programs are setting new records. Junior Gardener Chairman, Pat Howell reports an all-time high of 8,170 Junior Gardeners, an increase 2,000 over last year. Intermediates and High School Units are growing as well.

FLORIDA'S S.E.E.K. YOUTH ENVIRONMENTAL CONFERENCES have set the pace for the nation. National Council selected Florida to hold the pilot S.E.E.K. Conference in 1972 at Florida Technological University. With the help of Shell Oil Company, the Florida Federation has continued this highly successful program since 1974. So appealing to our members was this conference that SEEK '76 was wholly funded by the clubs.

SEEK '77 will again be a Florida FIRST. The Florida Federation, Deep South Region and Shell Oil Company will sponsor the first REGIONAL S.E.E.K. Youth Environmental Conference. This will be held at Florida Tech, August 7-10. Shell Oil Company will provide 25 scholarships plus transportation to students from each of the 6 Deep South states, including Florida.

The Florida Federation's clubs will again be urged to contribute scholarships of \$56.00 each for students, advisors and teachers. It is indeed inspiring to know that our clubs have accepted this challenging youth program and have set the pace for the other states and regions throughout the nation.

This year of 1977 is proving to be another year of achievement. Your chairman and officers and our dedicated District Directors are working and planning programs to stimulate and interest our members. With your enthusiasm and support, 1977 will be another year of great strides and accomplishments. My thanks to all of you!



The FLORIDA GARDENER

Federation Happenings



Huey Leroy Fullard, above, won all the background ribbons in the 1976 show, and is entering the plant in wood creation shown with him in the show this year at Union Correctional Institute.

garden therapy

Prize-winning plants will be carefully placed to best show the tender, loving care that has been lavished on them by their owners—inmates of Union Correctional Institution, Raiford.

Doors of the clubhouse across State Road 16 from the institution in Starke will open to the public for the **17th annual inmate flower show** at 12 noon on May 12, closing at 9 P.M., and will be open from 9 to 9 on May 13 and 9 to noon on May 14.

Awards to be presented to the inmates during the free show will be determined, as usual, by judges provided by the Florida Federation of Garden Clubs.

Feature of the show will be plants in driftwood.

Each of the inmate horticulture students will enter one plant in each of ten divisions: bromeliads, specimen house plants, begonias, philodendron, coleus, exotic ferns, hanging baskets, cacti, orchids and landscape plants.

The inmate students learn to care for

a wide variety of plants in facilities started with a large measure of help from the Florida Federation of Garden Clubs through its Garden Therapy program.

S.E.E.K. '77

Yes, there will be a SEEK '77. Following our most successful Youth Conferences—SEEK '74, '75 and '76, plans are well underway for the first Deep South Regional Youth Environmental Conference—S.E.E.K. '77, co-sponsored by FFGC Inc., to be held at Florida Technological University, Orlando, August 7-10, 1977.

We are in need of financial help and sincerely hope that you will support this worthwhile program again this year.

A scholarship is \$56.00 and a half scholarship is \$28.00. We welcome donations of any amount. All donations are tax deductible. Please use donor form found on page 7.

Mrs. H. C. Durand
Financial Chairman SEEK '77

What's New?

A beautiful package of thirty-six color plates of new and exciting floral designs neatly arranged in the 1978 FLORIDA FLOWER ARRANGEMENT CALENDAR. Talented arrangers from every district in the state are represented in this issue.

For our friends of HORTICULTURE, this issue will contain a botanical identification of the plant material used in the designs.

Letters and order forms have been mailed to each club and circle president. Orders received by April 12 will be available at State Convention in Tampa.

THE PRICE REMAINS THE SAME!

Mrs. Joe C. Robinson
1978-79 Calendar Editor

MARCH-APRIL

"Keep Florida Glitter Clean"

By Mrs. John G. Wood
Litter Control Chairman

Glenn Glitter says "Keep Florida Glitter Clean" and March and April have been designated "Glitter Clean" months.

Clubs are asked to cooperate with Glenn's efforts and to urge the city officials, merchants and citizens in their communities to institute "Clean-up—Fix-up—Paint-up" campaigns and to freshen up the whole State of Florida.

After the danger of cold weather is past, much pruning and replanting of trees and shrubs will be necessary to restore damage done by this year's unprecedented cold weather. Garden

Club members can help their communities by offering advice and help in clearing up evidences of freeze damage.

Governor Askew has been asked to proclaim March and April "Keep Florida Glitter Clean" months. His proclamation during the past years has done much to publicize the necessity of doing our "Spring Cleaning" each spring.

So, join "Glenn Glitter" and make March and April a time to make Florida shine!

Gardeners of Florida

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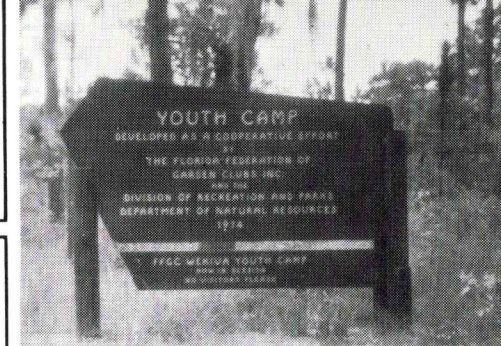
CORONA

CLIPPER CO.
Corona, California 91720

The FLORIDA GARDENER

Wekiva '77

The "In" place this summer!



Where: FFGC Wekiva Youth Camp in beautiful Wekiwa Springs State Park, not far from Orlando.

Why: A chance to LIVE with nature, to see how and why plants and animals choose their surroundings, to learn how to use natural materials in handcrafts, to meet other people with the same interests and to have fun.

Who: Leader-type boys and girls who are in grades 3-7 this 1976-77 school year. Make a child happy, the world better, the future more secure by sending an interested child. The fee is still only \$45 per week.

When: June 19-25 or June 26-July 2 for boys
July 3-9, July 10-16 or July 17-23 for girls

How: two ways:

1. Send for Registration brochure, read thoroughly, follow through!
2. If you aren't sure which child your group will send to Camp, choose a week, send the camp fee, along with the name of your club and ask that space be held. (No fee, no hold!) As soon as you can, send name of child and follow it with completed application as soon as possible.

Health forms have a later time limit. Do not hold up registration form until health form is ready.

Registration Chairman: Mrs. Edward J. Storey, 4519 W. Tradewinds Ave., Lauderdale-by-the-Sea 33308

HELP WANTED:

Adult Volunteers: for teaching nature-conservation-ecology, or nature crafts.

Counselors—male and female, who have completed 11th grade and up.

Junior Counselors—male and female who have completed 10th grade.

Counselors in Training—male and female who have completed 9th grade.

Send inquiries concerning staff to:

Mrs. E. W. Johnson, 2671 N.E. 19th St. Pompano Beach, Fl 33062.

*An Open Letter
to FFGC Members*

By Lynne Murphy
Wekiva Camp Director—1976
Member of Gloriosa Garden Circle
Lakeland Garden Club

On behalf of myself and the camp committee, I would like to thank all the great and wonderful people, and I mean great and wonderful—who made Wekiva Youth Camp a success this past summer.

From the volunteers who spent part of their summer teaching the young people a little more about nature, ecology, conservation and crafts, to the garden clubs that sent campers to Wekiva.

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Wekiva Youth Camp is a year-round undertaking, as many of you might not realize, from the beginning stage of hiring staff, getting volunteer teachers and planning the meals, to the hours and hours of preparing for the youths' arrival.

Every member of the FFGC should visit the camp. You all helped build it and help it to operate. It's a beautiful place in the forest. A group of beautiful people had a dream and spent many hours planning and watching it grow into a "really great camp!"

What I remember about camp, looking back now that summer is over, are little things like a boy sleeping in his suitcase because he didn't want to mess up his bed for next morning's inspection; a teacher of Fresh Water Ecology tromping through the mud with her campers looking for specimens to identify; campers running out of camp with their teacher, going on a nature hike; a little fox that visited our camp at night and a 75 pound boa, brought by a speaker, that the 3rd grade girls got to hold.

I could go on and on about the fascinating experiences each camper had this year. As each week ended a campfire was lighted on the last night. So many boys and girls said they want to come back next year.

To all clubs—plan now to send campers to Wekiva Youth Camp in 1977.



This group of garden clubbers attended FFGC's Environmental Workshop "None of Us is as Smart as All of Us" at Wekiva Youth Camp last November. Front Row, left to right: Mrs. R. L. Goodwin, Mrs. Pierre Thompson, Mrs. W. C. Stephens, Mrs. Howard Greene, Mrs. I. L. Bray, Mrs. John G. Wood, Mrs. Mary Devolt, Mr. Jim Phillips. Second Row: Mrs. Sally Rahm, Mrs. F. T. Lowe, Mrs. Louise Postell, Mrs. Atta C. Skinner, Mrs. Mary K. Powell, Mrs. E. R. Jordan, Mrs. H. C. Simmons, Mrs. Gwen Lubke, Mr. Jeff Carroll, Mrs. Ann Millet. Third Row: Mr. Bris Price, Mrs. J. A. Kennard, Mrs. F. S. Hill, Mrs. Charles Vale, Mrs. Edgar Hays, Mrs. A. S. Chamberlain. Fourth Row: Mrs. Robert Stone, Mrs. C. R. Cooney, Mr. Ernest Bostleman, Mrs. A. F. Williams, Mrs. F. C. LaHue, Mrs. Garrett Swindal, Mrs. B. C. Phillips. Others attending, but not pictured: Mr. Barry Bunn, Mrs. E. G. Fischer, Mrs. Charles Griggs, Mrs. Homer Gwinn, Mrs. D. R. Villareal, Dr. Y. A. Yousef, Mrs. Carla Palmer.

"None of Us is as Smart as All of Us"

By Mrs. Carl D. Millet
Environmental Education Chairman

Fun, Fellowship and Facilitators filled three days of FFGC's Environmental Experience at Wekiva Youth Camp in mid-November. Thirty participants from nine districts enjoyed indepth field investigations of the water, soil and forest eco-systems.

Exploring the economic and environmental consequences of problems arising from competing demands on natural systems, the participants experienced and learned from Land Use Simulations, Group Involvement Techniques and the Process Approach to problem solving.

Designed to encourage local solutions to environmental problems, the workshop emphasized Informed Action, thorough Involvement, and above all a sharing of knowledge and insight. The workshop theme of "None of Us is as Smart as All of Us" became very real to each participant.

Facilitators (one who assists in finding solutions to problems) came

from as far away as Missouri, Washington, D.C., North Carolina and Georgia and from as near as Tallahassee, Winter Haven and Orlando to share their skills and talents with the enthusiastic participants.

The workshop, another "first" for FFGC, was co-sponsored by FFGC and the United States Forest Service and was under the direction of Mrs. Carl D. Millet, Environmental Education Chairman for FFGC.

In addition to Garden Club members from all over Florida, the participants included several educators and resource people.

Most exciting program was a session of Back Home Action Planning. Participants were encouraged to use their new skills and ideas to plan local involvement situations "Back Home."

Several workshops and local and district events are anticipated in the near future. Members who are interested are invited to contact their District Director or this Environmental Education Chairman for further information.

SCHOLARSHIP DONOR FORM YOUTH ENVIRONMENTAL CONFERENCE, S.E.E.K. '77

The FFGC, Inc. will co-sponsor with Shell Oil Co. a regional conference for Intermediate and High School Gardeners and their directors. The cost for a garden club to send a participant to SEEK '77 at Fla. Tech. University, Orlando, August 7-10, 1977 will be \$56.00.

Donors of full scholarships (\$56.00), half scholarships (\$28.00), or partial scholarships (over \$15.00) will be acknowledged with a certificate of appreciation at district meetings. *All donations are tax deductible.*

NAME OF DONOR: (indicate if individual, club or circle) AMOUNT _____

ADDRESS: _____

CITY: _____ ZIP _____ DISTRICT _____

Indicate if scholarship is a memorial or honorarium for an individual: _____

Indicate if scholarship will be for a participant of your choice: _____
or may be used for a worthy participant selected by chairman: _____

Make checks payable to: Florida Federation of Garden Clubs, Inc.

Mark checks: "Youth Environmental Conference"

Please duplicate this form and send 2 copies with check to:

Mrs. H. C. Durand, 625 N. Hartley Circle, Deltona, FL 32763

MARCH/APRIL 1977

GOVERNOR ASKEW Urges Support of Tiger Creek Project

By Mrs. John G. Wood
American Land Trust Chairman

By Resolution dated January 24, 1977, Governor Reubin O'D. Askew has urged the cooperation of all agencies and citizens of the State of Florida to work for the preservation of Tiger Creek. His resolution will add impetus to the efforts now being made by our members throughout the state, and other interested and concerned individuals, to raise the necessary funds to save Tiger Creek.

Public meetings, trips to Tiger Creek, exhibits and showing the American Land Trust film "Challenge to a Nation" are some of the projects reported by clubs throughout the state. Clubs and individuals contributing one acre will have their names inscribed on a permanent exhibit depicting the area. These clubs and individuals will also receive a "Deed of Gratitude" to be presented at the Spring District Meetings. On January 9th, the members of the Board of Directors of Florida Federation of Garden Clubs contributed the funds to purchase six acres. This will entitle them to receive one of famed nature painter Robert Butler's paintings of scenes of Tiger Creek. Anyone interested in acquiring one of Mr. Butler's paintings

may write this chairman for additional details.

March 31, 1977 is the deadline for contributions that count toward the totals for our first year's participation in this American Land Trust Project. Please send in your contributions by that date. All presidents have received a letter with instructions for application for National and State Awards. Please contact this chairman for any additional information.

April 1, 1977 marks the beginning of our second year of participation in American Land Trust project "A Gift for Future Generations." We hope each club will appoint an American Land Trust Chairman to coordinate efforts in this great conservation undertaking.

Garden Club members were among the first to realize that we must conserve our natural resources. Let us now be the leaders in developing that new "land ethic" which holds land dear and irreplaceable and which states that some lands in this vast and beautiful country must be left as a legacy for our children and our children's children, so they may also enjoy the wonders of unspoiled land.

Tiger Creek is Florida's American Land Trust project. *Continue your support.* Your help will ensure that the clear waters of Tiger Creek continue to flow, pristine, through lush tropical growth teeming with a wide diversity of wildlife.

RESOLUTION

WHEREAS, The Nature Conservancy has designated the Tiger Creek Swamp as Florida's nomination to the American Land Trust; and

WHEREAS, The Nature Conservancy has acquired 900 acres of this unspoiled area and has an option to purchase another 1,700 acres along Tiger Creek; and

WHEREAS, the Florida Federation of Garden Club's Board of Directors voted support of the preservation of Tiger Creek Swamp; and

WHEREAS, the clear waters of Tiger Creek flow through the ridge section of Central Florida and through an area of lush, subtropical growth which is habitat for a wide variety of wildlife; and

WHEREAS, the Department of Natural Resources has designated the Tiger Creek area as one of the unique and outstanding natural areas in Florida; and

WHEREAS, the Department of Natural Resources has designated it as one of the six alternate projects on the Group I priority list of environmentally-endangered lands projects for the State of Florida, with approximately 3,000 acres involved including six and one-half miles of spring-fed creek bordered with hammocks and swamps of exceptional value;

NOW, THEREFORE, BE IT RESOLVED that I, Reubin O'D. Askew, Governor of the State of Florida, urge cooperation of all agencies and citizens of the State of Florida to work for the preservation of the Tiger Creek Swamp as an ecologically vital area.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Florida to be affixed at Tallahassee, the Capital, this 24 day of JANUARY in the year of our Lord nineteen hundred and seventy-seven.



Reubin O'D. Askew
GOVERNOR

ATTEST:

Bessie A. Smith
SECRETARY OF STATE

INCORRECT ADDRESS

Please attach last mailing label

Name: _____ Club Code: _____
Address: _____
City: _____ Zip: _____

NEW ADDRESS

Name: _____
Address: _____
City: _____ State: _____ Zip: _____

Do you plan to continue your membership in your present club? _____

Mail to The Florida Gardener, P.O. Box 1381, Winter Haven, Fl 33880

LANDSCAPE DESIGN SCHOOL

Course 2 Series IX

(Bilingual)

April 19-21, 1977

Fairchild Tropical Garden, 10901 Old Cutler Road, Miami 33156

For complete details contact:

Chairman: Mrs. Clyde Wooten, 9045 S.W. 64 Court, Miami 33156

Early enrollment is advised, not only because of limited facilities but because the course is concentrated, and adequate time is needed to complete the required study and reading. Books should be ordered early. Note book order form on registration blank.

ENGLISH

Tuesday, April 19: Registration, School opens 8:00 A.M.

8:30—Development of Landscape Architecture 1840-1930: Robert Grist
 10:15—Professional Landscape Architect: Juanita Shearer
 10:45—Elements of Landscape Architectural Design: William A. O'Leary
 12:15—Lunch
 1:00—Architecture and Related Arts and Professions: Miss Shearer
 2:00—Art and Nature Appreciation: Jean Wooten
 3:30—Questions and Answers

Wednesday, April 20: Registration 8:00; School opens 8:30 A.M.

9:00—Site Design; Ground Form: Emilio Fontana
 10:15—Urban Design: Dorothy Bergamaschi
 11:15—Landscape Graphics: Interpretation: Mr. Fontana
 12:15—Lunch
 1:00—Execution of Landscape Architectural Design: Mr. O'Leary
 2:30—Plants in Composition: Werner Dietel
 3:30—Adjournment

Thursday, April 21:

9:00—Written Examination
 12:00—Deadline for Exam Papers

SPANISH

English and Spanish sessions will run simultaneously for 3 days. The order of Spanish lectures will differ from the English, as each instructor will repeat his lecture before Spanish-speaking students with the aid of a translator.

REQUIRED READING—COURSE II

The National Gardener
 An Introduction to Landscape Architecture: Laurie (pgs. 35-44, 116-132, 177-190)
 Landscape Architecture: Simonds (pgs. 41-77, 96-108, 173-221)
 The Book of Landscape Design: Ortloff & Raymore (pgs. 271-277)
 Art and Nature Appreciation: Opdyke (pgs. 1-42, 63-74)
 Homescaping (\$1.00. Ask for Intermountain Regional Publication 4, University of Wyoming, Box 3354, University Station, Laramie, Wyoming 82070)

INSTRUCTORS:

Mrs. Dorothy Bergamaschi: ASLA with South Florida Regional Planning Council: background of biology, geography, ecology, University of Miami.

William A. O'Leary: ASLA, O'Leary, Shafer and Assoc., University of Florida. Guest instructor at Miami-Dade Jr. College. Extensive practice, lectures.

Emilio Fontana: Dade County Parks. Degrees in Agronomy, Forestry and Architect of Parks and Gardens at Universities of Havana and Barcelona.

Miss Juanita Shearer: ASLA Assoc., University of Florida, with Jonathan Seymour's office.

Robert Grist: Bachelor and masters degrees, University of Georgia. Specialist in history. Recent Miami arrival and currently associated with Shaw Nursery.

Mrs. Jean Wooten: degree from Washington State University. Further study at University of Hawaii and in Japan.

Werner Dietel: ASLA, Werner Dietel and Assoc. Architecture, University of Miami. Varied practice shows plantings of enduring beauty.

REGISTRATION FORM

LANDSCAPE DESIGN SCHOOL—COURSE II, SERIES IX

April 19-21, 1977

NAME _____ CLUB _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Tuition Fee enclosed \$28 _____ Exam Fee enclosed \$2 _____

One day \$15 _____ One Half day \$8 _____

Make checks payable to: FFGC Bilingual Landscape Design School

Mail application and check to: Mrs. Cubbedge Phillips, 135 N.E. 43 St., Miami 33137
 Lunch will be on a daily basis

BOOK ORDER FORM

| | | | |
|-------------------------|---------|-------------------|--------|
| Laurie | \$12.00 | Homescaping | \$1.00 |
| Simonds | 21.45 | Eckbo | 9.95 |
| Ortloff & Raymore | 3.25 | McHarg | 6.95 |
| Nelson | 5.00 | | |

Book checks payable to: FFGC Bilingual Landscape Design School

Mail to: Mrs. Charles Payne, 8540 S.W. 108 St., Miami, Fl. 33156

LANDSCAPE DESIGN SCHOOL

Course 4 Series VIII

April 4-6, 1977

Garden Center, 400 S. Hernando St., Lake City, 32055

For complete details contact:

Chairman, Mrs. A. K. Black, 123 E. Madison St., Lake City 32055

Course 4 is the fourth and last in Series VIII, and the last opportunity to attend a landscape course in North Florida for several years.

Critics: Refresher—MAY refresh after two years, but MUST before five years from date of certificate. Do reading requirement and attend lectures. No exam necessary. Refreshers must be current subscriber to *National Gardener*. Course 4 is preferable for a refresher.

continued next page

ADVANCE REGISTRATION FORM
LANDSCAPE DESIGN SCHOOL—COURSE IV, SERIES VIII
APRIL 4-6, 1977

NAME _____ CLUB _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Tuition Fee enclosed \$15 _____ Exam Fee enclosed \$2 _____

Make checks payable to: Landscape Design School
Mail application and check to: Mrs. Harry Cruikshank, P.O. Box 901, Lake City, Florida 32055

Luncheon reservation: Pay at door. Please check: Mon. _____ Tues. _____

Monday, April 4: Registration 7:45 A.M.; School begins at 8:30 A.M.
8:45—Herbaceous Materials: Robert H. Rucker
10:30—Landscape Design Resume: Robert H. Rucker
12:00—Luncheon: Hydrangea Garden Circle, Mrs. Ralph Will, Chairman
1:00—Architecture and related Arts & Professions: Herrick Smith
2:00—Standards for Evaluating Design: Robert H. Rucker
3:00—Questions and answers

Tuesday, April 5: Registration 8:00 A.M.; School begins 8:30 A.M.
9:00—Planning and Zoning: Wayne S. Hundley
10:15—Subdivision and Land Development: Wayne S. Hundley
11:30—Luncheon: Camelia Circle, Mrs. Jim Johnson, Chairman
12:30—Evaluating Public Design: Robert H. Hartwig
2:30—Evaluating Domestic Design: Jack Sibenthaler
4:30—Questions and answers

Wednesday, April 6:
9:00 A.M.—Written Examination
12:00—Deadline for exam papers

REQUIRED READING—COURSE IV

The National Gardener
An Introduction to Landscape Architecture: Laurie (pgs. 1-12, 85-115, 191-201)
Landscape Architecture: Simonds (Pages 221-230)
Landscape Gardening: Crockett and Editors of Time-Life Books (Pages 1-98)
Redoing America: Faltermayer (Pages 119-227)

INSTRUCTORS:

Robert L. Hartwig, B.S.A., University of Florida; post graduate, Syracuse University. Mr. Hartwig is principal in a firm of Landscape Architects. He has lecturing experience with the British Association of Landscape Architects, England. He has taught Seminars at the University of Georgia, Florida and Jacksonville University. His special interests are Design, Planning, Building Complexes and Irrigation. He has a large collection of slides and plans of different effects that can be achieved in the Landscape Design.

Jack Sibenthaler, B.S.A., Cornell University. A very active consultant, speaker and advisor to many boards, as Florida Board of Landscape Architects and Florida Nurserymen. He has innumerable valuable contacts with industry and at University levels. He is a licensed instructor and certified at Pinellas Vocational Technical Institute. Mr. Sibenthaler has a lifetime experience in the industry, having been born into a family that has been in the nursery business since 1870. He has over 30 years experience in the environmental horticulture industry and has a slide collection of over 6000 photographs depicting virtually every phase of Landscape Design and installation.

Robert H. Rucker, A.S.L.A., Texas A.&M., College Station, Texas—Landscape Design Chairman of National Council of Garden Clubs, Inc. Taught at University of Oklahoma. Currently Head of Department of Landscape Architecture of Texas A.&M. Served with Texas State Road Department and has engaged in private practice. Mr. Rucker did a special study at Harvard Graduate School of Design. He is an Honorary Member of many garden clubs and has received many awards for his outstanding work with garden clubs.

Herrick H. Smith, A.S.L.A.—School of Landscape Architecture, University of Florida, Gainesville. Graduate of University of Georgia in Landscape Architecture, he is now the Director of School of Landscape Architecture at University of Florida.

Wayne S. Hundley, A.S.L.A.—B.L.A. University of Florida with high honors. M.I.A. University of Michigan with special interest in Land Planning, Site Planning & General Design. He is Project Director for The King Helie Planning Group, Orlando.

State Life Members

State Life Memberships
Mrs. D. O. Foshee, Sr.
Chairman

The following members have been honored this past year with State Life Memberships, for their dedication and many contributions to their circles and clubs.

Mrs. T. Buckingham Bird, Founders Circle, by the Monticello Garden Club
Mrs. B. H. Webster, by Garden Gate Circle of Bartow Garden Club
Mrs. J. Lewis Garrett, by Garden Gate Circle of Bartow Garden Club
Mrs. James Crawford, by Richmond Heights Garden Club, Miami
Mrs. R. A. Justin, by Coconut Grove Garden Club, Miami
Mrs. Frank Longshore, by Coconut Grove Garden Club, Miami
Mrs. J. E. Crowl, by Whippoorwill Circle of Garden Club of Orange Park
Mrs. Robert Schmitz, by Spathodea Circle and Ft. Lauderdale Federation
Mrs. J. H. Hamby, Magnolia Circle, by Apopka Garden Club
Mrs. Irby W. Black, by Edison Garden Club, Ft. Myers
Mrs. Herbert A. Roes, Azalea Circle, Deltona G.C., by Reba Roes
Mrs. George B. Secrist, by Cassia Circle of Ft. Lauderdale Federation
Mrs. Frank C. Pelot, Lafayette Park Circle, Tallahassee G.C. by her daughter Peggy Voneiff
Mrs. Henry Bassing, by Southwest Garden Club, Miami
Mrs. W. M. Bostwick, by Arlington Garden Club, Ormond-Daytona Beach
Mrs. Robert H. Peters, by Radiance Circle, Tallahassee Garden Club
Mrs. William C. Mathews, by Oakwood Circle of Garden Club of Jacksonville
Mrs. LeRoy Farnham, by Marathon Garden Club
Mrs. Mary Layton, by Layton Garden Club
Mrs. V. M. Smith, Magnolia Circle, by Garden Club of Sanford
Mrs. Roberta Galbraith, by Sultana Circle, Arlington G.C., Jacksonville
Mrs. John E. Harris, Jr., by Bonnie C. Parsons, Davis Islands G.C., Tampa
Mrs. H. C. DePrycker, by Della Robbia Circle, Ribault G.C., Jacksonville Beach
Mrs. Douglas Cooksey, by Redbud Circle, Tallahassee Garden Club
Mrs. Powell McWhirter, by Belleair Garden Club
Mrs. William C. Owen, by Clewiston Garden Club
Mrs. Ottis Smith, by Camellia Circle, Panama City Garden Club
Mrs. Wallace Kershner, by Buddleia Circle, Tallahassee Garden Club

MARCH/APRIL 1977

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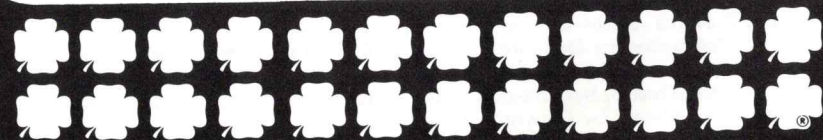
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- Mrs. R. E. Kestner, by Azalea Circle, Tallahassee Garden Club
- Mrs. Chester A. Ellis, by Palm Circle, Manatee River Garden Club, Bradenton
- Mrs. Richard Ronald, by Palm Circle, Manatee River Garden Club, Bradenton
- Mrs. W. H. Pierson, by Geranium Circle, Gainesville Garden Club
- Mrs. H. J. Bolton, by South Florida Garden Club, Miami
- Mrs. Theron W. Ames, by South Florida Garden Club, Miami
- Mrs. William B. Loveridge, by Palm Vista Garden Club, St. Lucie Fed., Fort Pierce
- Mrs. L. E. Dodd, by Gardenia Circle, North Tampa Garden Club
- Mrs. J. C. Roberts, by Gardenia Circle, North Tampa Garden Club
- Mrs. E. P. Roberts, Jr., by Nosegay Garden Club, Winter Haven
- Mrs. W. Roger Beattie, by Ken Pines Garden Club, Miami
- Mrs. Arthur B. Putman, by Biltmore Heights Garden Club, Miami
- Mrs. O. H. Whitehurst, by Redbud Circle, Panama City Garden Club
- Mrs. G. Andrew Speer, by Sanford Garden Club
- Mrs. Kenneth M. Horne, by Travelers Palm Garden Club, Jupiter-Tequesta
- Mrs. Otho Graham, Driftwood Circle, by Bartow Garden Club
- Mrs. Ruth McKeown Elkins, Live Oak Circle, by Bartow Garden Club
- Mrs. W. A. Menges, Garden Gate Circle, by Bartow Garden Club
- Mrs. Atlee W. Davis, by Garden Gate Circle, Bartow Garden Club
- Mrs. Janet McDuffie, Palm Circle, by Lake City Garden Club
- Miss Hellen Caro, by Amaryllis Garden Club of Pensacola Federation
- Mrs. Earl T. Fortenberry, Garden Center Newcomers Circle, Garden Club of Jacksonville, by friends in circle
- Mrs. C. B. Adams, Della Robbia Circle, by Ribault Garden Club, Jacksonville Beach
- Mrs. R. McSweany, by Shellpoint Circle, Tampa Federation
- Mrs. Margaret Hunter, Hibiscus Circle, by Town & Country Garden Club, Lake Worth
- Mrs. L. J. Cooney, by Gaillardia Garden Club, St. Augustine
- Mrs. Raymond T. Yager, Bimini Circle, by North Tampa Garden Club
- Mrs. Frank T. Lowe, by Clearwater Garden Club
- Mrs. Charles D. Batson, by Founders Circle, West Palm Beach Garden Club
- Mrs. Ralph Gisler, Sansevieria Circle, by Town & Country Garden Club, Lake Worth
- Mrs. George B. Truchelut, Orchid Circle, by Town & Country Garden Club, Lake Worth
- Mrs. J. B. Dowling, Rose Circle, by Marianna Garden Club
- Mrs. Clifford Orr, by Lake Placid Garden Club
- Mrs. Orin Schmitz, by Gardenia Garden Circle, Manatee River Garden Club, Bradenton
- Mrs. Harold Nuttle, by Azalea Circle, Manatee River Garden Club, Bradenton
- Mrs. Frank Fellows, by Davis Islands Garden Club, Tampa
- Mrs. A. S. Grimal, by Davis Islands Garden Club, Tampa
- Mrs. James B. Canel, Biscayne Park Garden Club, Miami, by her husband
- Mrs. Joe C. Robinson, by Board of Directors of St. Petersburg Garden Club
- Mrs. Charles J. Kelly, by Cocoa-Rockledge Garden Club
- Mrs. Tom Corley, by the Executive Board of Gulf Beach Garden Club, Panama City
- Mrs. M. T. Hartman, Jr., Hibiscus Circle, Gainesville Garden Club, and Four Seasons Garden Club, Gainesville, by her husband
- Mrs. Wilbur J. Hoskins, Four Seasons Garden Club, Gainesville, by her husband
- Mrs. Walter Z. Tarr, by Founders Circle, Garden Club of Orange Park
- Mrs. James C. Edwards, Founders Circle, Garden Club of Orange Park, by self
- Mrs. William Ross Sillik, Founders Circle, Garden Club of Orange Park, by her two sons and husband
- Mrs. Richard O. Berry, by Old Fashioned Garden Circle, G.C. of Jacksonville
- Mrs. Frank E. Williams, Sr., by Acacia Circle, Titusville Garden Club
- Mrs. Earl D. Far,, Sr., by Punta Gorda Garden Club
- Mrs. James Webb, by Moonflower Circle, Garden Club of Jacksonville
- Mrs. John Williams, by Brierwood Circle, San Jose Garden Club, Jacksonville
- Mrs. F. P. McGowan, by Palmetto Circle, Garden Club of Jacksonville
- Mrs. J. R. Severson, by Orange Blossom Circle, W. Palm Beach Garden Club
- Mrs. Charles R. Matthews, by Orange Blossom Circle, W. Palm Beach G.C.

Checkerboard Chatter of and about gardening

FERTILIZER

If you haven't already done so, fertilize your citrus, avocados and other fruit trees as soon as possible. The last of the damaging cold *should* be past. Undoubtedly there will be lots of leaf drop, and some die-back. Now, more than ever, your trees will need lots of TLC. This includes fertilizing, watering, *careful* pruning and spraying. Citrus requires a soil pH of 5.5 to 6.5. Dolomite can be used to bring your soil up to the correct pH and at the same time provide calcium and magnesium for the trees.

VEGETABLES

No one ever said you have to grow vegetables in rows. If your property and inclinations don't lend themselves to rows why not incorporate borders of luscious parsley around your annuals and fresh green leaf lettuce among your begonias? A few carrots add interesting foliage contrast. Bell peppers are beautiful and hurrah for ornamental cabbage! You might not get as large a crop as you would with a traditional vegetable garden, so strive for quality instead.

MORE ON MIREX

The Environmental Protection Agency has agreed to allow the formulation of an environmentally acceptable form of Mirex called Mirex 10-5. Aerial application can be made until January 1, 1978, and ground application until June 30, 1978. The Fla. Dept. of Agriculture will resume aerial application in the spring in south-central Florida. Under EPA guidelines, aerial treatment will not be allowed within 12 miles of the coast (what about lakes?). Using the new 10-5 formulation, only about 1/3 as much Mirex will be placed in the environment with the same degree of control of fire ants.

Fla. Dept. of Agriculture

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HUMIDITY

Humidity in varying degrees has a great effect on how we feel and function. The same is true of plants. In our air conditioned, central-heated homes it is usually necessary to provide additional humidity to the air to keep our leafy friends happy. With 30-35% humidity most things will grow, if other factors are ok. This humidity is good for you too, as well as your pets and furniture. Plants requiring really high humidity can be placed in a terrarium or grouped together to create their own atmosphere or micro-climate.

PRESIDENTS

Please *read and heed* the information you have recently received on the **1978 Flower Arrangement Calendar**. If you will fill out your club order NOW and send it in, you can pick up your calendars at the FFGC Convention in Tampa and save \$\$\$\$ time and hauling for the Federation. The money you save may be your own, so act now.

PRUNING

Hopefully your pruning urges have been held in tight check, just waiting for March and the chance to clean out all those dead looking things that the icy winter has left. Don't be too hasty as you clip. Many plants will surprise you, and put forth new growth. Give them a chance to declare themselves. Keep your eagle eye open for interesting shapes and colors of dried plant material. Nature has given us an infinite variety of beauty in the browns that now surround us. Choose from this unusual bounty the dried material that will be so valuable in dried arrangements this spring.

AFTER THE FREEZE...

A perfect time to revamp your garden. Pull out the stuff you don't really care about (but it's growing, so you keep it). Move things around. Now that you have seen how things grow, put them where they belong. Do your friends give you snips of things from their gardens, and by the time these cuttings are established in your garden you find you put them in the wrong place? Now that you are forced to cut way back, move your garden around while you're about it.

RECYCLED PAPER

What are the advantages of recycling paper?

Wastepaper takes the place of virgin wood pulp, thus lessening the heavy demand on our forests. The manufacturing process for recycling is likely to cause less pollution of water and air, and less solid waste, and requires less energy. Recycling cuts down on the amount of waste that must be disposed of by our municipal systems. Paper makes up nearly a third of municipal solid waste by weight and well over half by volume.

Dept. of Agriculture
Consumer Services

ADDING HUMIDITY

If it is necessary to add humidity to the air around your plants you can mist them daily with a fine, warm mist. Avoid cold water or misting late in the day. Be careful, too, when misting hairy-leaved plants... particularly avoid misting these late in the day. Placing plants in a pebble tray creates a humid atmosphere. Put one to two inches of pebbles, perlite, gravel or similar material in a shallow dish or tray and add water to half the depth of the pebbles, then place your pots directly on the pebbles.

MORE VEGETABLES

How about another challenge for vegetable lovers? Grow vegetables in hanging baskets. Naturally not every vegetable is adaptable to this kind of gardening, but hanging baskets of parsley or cherry tomatoes, Bibb lettuce and some herbs are beautiful additions to any garden. Of course strawberries are great. Try new things in baskets. Don't fail to keep your baskets well watered and give them plenty of sunshine if you plan to harvest much of a crop.



Flower Show Schools



Mrs. O. Fenton Wells, *Chairman*

COURSE I—PUNTA GORDA

April 19-21, 1977

Instructors:

Mrs. Loren Dodson
Mrs. Robert Guthrie
Chairman:

Mrs. R. C. Faber
1797 Bette Court
Punta Gorda 33950

COURSE IV—TAMPA

April 12-14, 1977

Instructors:

Mrs. Jerome B. Rosenberg
Mrs. Thomas Ward
Chairman:

Mrs. Edward Starr
201 S. McDill Ave.
Tampa 33609

CORRECTION

COURSE III—JACKSONVILLE BEACH

May 3-5, 1977

Instructors:

Mrs. Jerome Rosenberg
Mrs. Thomas Ward
Chairman:

Mrs. George Watkiss
The Fountains #129
Ponte Vedra Beach 32082

SPRING SYMPOSIUM

MAY 3-4, 1977

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Chairman:

Mrs. Walter Neals
1251 Via Estrella
Winter Park 32789

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NEWLY ACCREDITED AMATEUR FLOWER SHOW JUDGES

Mrs. Shelbie B. Cochran, 19120 N.W. 6th Ave., Miami 33169 (XII)
Mrs. Urban L. Kokenge, 4955 Lakeview Dr., Miami Beach 33140 (XII)
Mrs. Paul McRae Averitte, 550 N.E. 95th St., Miami 33138 (XII)
Mrs. Louis M. Barnett, 19700 N.W. 7th Ave., Miami 33169 (XII)
Mrs. Corrine R. Ellins, 6430 Chapman Field Dr., Miami 33156 (XII)
Mrs. Clyde C. Wooten, 9045 S.W. 64th Ct., Miami 33156 (XII)
Mrs. S. Cleveland Giffin, 3401 Belsher Dr., Tampa 33609 (XII)
Mrs. Dudley Glover, 2512 Palm Dr., Tampa 33609 (XIII)
Mrs. William H. Flowers, 4506 Bay to Bay Blvd., Tampa 33609 (VIII)
Mrs. William M. Black, Jr., 4611 Hawthorne Rd., Tampa 33611 (VIII)
Mrs. Paul Duckwall Jr., 249 Aloha Dr., Palmetto 33561 (VIII)
Mrs. G. A. Harrer, 2815 N.W. 29th St., Gainesville 32605 (VI)
Mrs. Jerry D. Swearingen, 927 N.W. 40th Dr., Gainesville 32605 (V)
Mrs. R. S. Mullin, 1132 S.W. 11th Ave., Gainesville 32601 (V)
Mrs. Tom Glenn, Rt. 4, Box 336 G., Gainesville 32601 (V)

MONIMONO (En-masse Arrangement)

Mrs. Kenneth Davis
Deltona



Material: Loquat: 1 branch
Bananas: 1 bunch
Grapes: 1 bunch (purple)
Apples: 3 red
Mushrooms: 3, or nuts or loquats

Container: An uneven-shaped board, a flat round basket, or a rectangular tray. A kenzan and a cup will be required to hold the loquat branch in place.

Instructions: First arrange the loquat branch as though it were extending its welcoming hand forward. Place the bananas over the kenzan and the cup in the rear of the board; arrange a bunch of purple grapes in front of the bananas in a serpentine shape. Place the apples along side of the grapes on the right hand side, one on its side, facing forward, one standing upside down and one inclining at an angle for interest. Lastly, arrange the mushrooms on the left hand side of the board. Two close together and one at a distance for variation.

Flower Show Calendar

Mrs. Sally Rahm, Flower Shows *Chairman*

- March 5, Lake Worth, The Town & Country Garden Club, The Woman's Club Building, 20 Dixie Highway
- March 5-6, Fort Myers, "Flower in Rhythm", Federated Garden Clubs of Lee County and Fort Myers—Lee County Garden Council, Inc., Lions Park, Cleveland Avenue
- March 12, Miami, "The Poetry of Nature," Richmond Heights Garden Club, Second Baptist Church Education Center, 11111 Pinkston Drive
- March 12-13, Englewood, "A Treasury of Beauty," The Lemon Bay Garden Club, Englewood Bank and Trust Co.
- March 12-13, Vero Beach, Garden Club of Indian River County
- March 16-19, Bevilles Corners, "Flowers Are . . .", Azalea Garden Club of Sumter County, Sumter County Fair Grounds, Junction of Rts. 471 & 48
- March 17, Chipley "Flower March", Woman's Club
- March 17-18, Palmetto, "Show Time—Then and Now", Palmetto Garden Club
- March 18-20, St. Petersburg, "Yesterday, Today and Tomorrow", St. Petersburg Garden Club, Bayfront Center
- March 19-20, Blountstown, Torreya Garden Club, Blountstown Elementary School
- March 19-20, Ocala, "Flowers on Tour", Pioneer Garden Club, Fort King Middle School Gymnasium
- March 19-20, West Palm Beach
- March 19-20, Lakeland, "For Land's Sake", Lakeland Garden Center
- March 19-20, Sarasota, "Focus on Beauty", Civic Center Exhibition Hall
- March 21, Tampa, "A Tribute to the Four Seasons", Clearfield Garden Club, Clearfield Community Center, Clearfield and Indiana Avenues
- March 21-23, Eustis, Two separate shows of 3 days each—See March 24-26
- March 24-26, Eustis, Two separate shows of 3 days each, "What's Black and White and Read All Over . . . The Newspaper", Lake County Council of Federated Garden Clubs, Lake County Fair Grounds
- March 26, Longboat Key, Sarasota, Home & Garden Tour—8 homes
- March 26, Naples House & Garden Tour
- March 26-27, STATE FLOWER SHOW, St. Augustine
- March 26-27, Bartow, "Southern Hospitality," Bartow Civic Center
- March 26-27, Zephyrhills, "Fairy Tales Do Come True", Zephyrhills Community Center, 5th Ave., Zephyr Park
- March 29, Ft. Myers, Royal Palm Garden Club at Teen Club, Cleveland Ave.
- March 29, Clearwater, "Garden Symphony", Clearwater Garden Club, 405 Seminole Street
- April 1, Jacksonville, Home Show, San Jose Garden Club, home of: Mrs. Vernon L. Hussey, 3449 Beauclerc Road, Jacksonville 32217
- April 1-2, Jacksonville Beach, "Open Doors Calling"—Home & Garden Show, The Ribault Garden Club
- April 2-3, Winter Haven, "As Time Goes By", Winter Haven Council of Garden Clubs, Garden Center
- April 2-3, Palatka, "A Medley of Our Past, Present and Future", The Ravine State Gardens
- April 2-3, Jacksonville, Pageant of Crosses, Garden Club of Jacksonville, 1005 Riverside Avenue
- April 12, Tarpon Springs, "The Enchantment of Mythology"
- April 12-13, Belleair, "Songs We Used to Sing", The Gulf Coast Art Center (Belleair-Clearwater)
- April 13, Tampa, "Leisure—Time for Fun", Sunset Park Garden Club of Tampa
- April 15, Lighthouse Point, "Design for Living—Third Century", placement show, 2 houses, Lake Placid Garden Club
- April 15, Boca Raton, "Beauty—is Everywhere"

- April 15-16, Tallahassee, "A Capitol Occasion", Dist. III, FFGC, The Northwood Mall, Tallahassee
- April 15-17, Sanford, "Wonders of the World", Garden Center, Rt.17 & 92
- April 16-17, Plant City, "A Symphony in Color", Garden Club Center, North Wheeler Street
- April 16-17, Naples
- April 20, Crystal River, "Joy", St. Benedict's R.C. Church, Rt. 19 South
- April 21-22, Clewiston, "Flowers in Song", The Clewiston Garden Club and The Green Thumbs Garden Club, Sugarland Auditorium
- April 22, Tarpon Springs, "Enchantment of Mythology" at the Tarpon Springs Yacht Club
- April 23-24, Jacksonville, "The Things People Say", Garden Club of Jacksonville, The Garden Center
- April 23-24, Indian Harbour Beach, "Fragrances and Flowers", In-Har-Bee Garden Club, In.
- April 24, Coral Springs, "Sand in My Shoes", The Community Center, 10150 N.W. 29th St.
- April 31-May 1, Melbourne Beach, "By the Sea, By the Sea", The Garden Club By the Sea, Hoover Jr. High School, Indialantic—Melbourne Bch.
- April 30-May 1, Inverness, at the Primary School Cafeterium, Lime Street
- May 5-6, Gainesville, "Our Florida!", Four Seasons Garden Club, at First Florida Savings & Loan Assoc., 515 North Main Street

SIXTEENTH STATE FLOWER SHOW—1977

'Florida — Challenge To Beauty'

March 26-27, 1977

Mark Lance Armory & Garden Center—184 San Marco Avenue, St. Augustine

Youth Division Schedule—Sept./Oct. *Florida Gardener*

Additional information for Youth Schedule:

Section Y-1: Junior Gardeners:

- Class 1, Fresh and/or dried material
- Class 2, Fresh and/or dried material
- Class 3, All dried material

Section Y-2: Intermediate Gardeners:

- Class 1, Fresh plant material
- Class 2, as in *Gardener*, dried and/or fresh material
- Class 3, Fresh and/or dried material

Section Y-3: High School Gardeners:

- Class 1, All fresh plant material
- Class 2, As stated, fresh and/or dried material
- Class 3, Fresh and/or dried material

Horticulture Division Schedule & Rules—Nov/Dec. *Florida Gardener*

Artistic Design Schedule & Rules—Jan/Feb. *Florida Gardener*

Educational Division Schedule & Rules—Jan/Feb. *Florida Gardener*

HORTICULTURE NOTE: HANGING BASKETS will be staged with plant families. Basket size not to exceed 12". One plant variety to basket. NO hanging pots. Must be regulation basket. Horticulture Chairman: Mrs. Carl Westphal, Box 1359, St. Augustine 32084.

State Flower Show—continued

Entries will be assigned in order received and must be registered by March 16th, 1977.

Directions to Flower Show Site: San Marco Avenue goes north from Old Gates and Fort. Flower Show Site is bordered by U.S. Hwy. #1 and San Marco Avenue.

St. Augustine has ample motel accommodations, many near the above location.

Light snacks will be available in both buildings. Federation books and Plant Boutique available in Armory.

Tickets may be procured from all Garden Club Presidents for \$2.00 donation. Please check Flower Show Program for list of trophies and their donors.

NATIONAL COUNCIL OF STATE GARDEN CLUBS, INC.

Forty-Eighth Annual Convention

Prelude To Tomorrow

Alameda Plaza

May 8-13, 1977

Kansas City, Missouri

The Federated Garden Clubs of Missouri cordially invite all garden club members to attend the 48th Annual Convention of National Council of State Garden Clubs, May 8-13, 1977, at the Alameda Plaza Hotel in Kansas City, Missouri.

Kansas City, the "Heart of America", the "City of Fountains," "Cowtown, U.S.A."—whatever you may name it—our gates are wide open to welcome you to convention.

As we shall try to show you, we have an interesting city. From the River Quay, our reconstructed early city near the river, on to the beautiful new Crown Center complex of fabulous shops and restaurants, to the Plaza—said to be the first suburban shopping center in the nation and site of our convention center—to the incomparable Nelson Gallery of Art, Loose Park, where a Civil War battle was fought, and where our garden center is located, to Independence, Missouri, the Harry S. Truman home and the Truman Library.

A diversified program is sure to capture and hold your interest. Some of the outstanding speakers and subjects are John Ethridge's program on Japanese Haiku, Dr. Haskell Monroe of Texas A. & M, speaking on "The Writing of the Declaration of Independence," National Council's Robert Rucker, Chairman of Landscape Design Study Courses, with a flower arranging program "Our Legacy is the Prologue—A Floral Symphony" and Dan W. Lufkin, Co-chairman of The American Land Trust, speaking of "Land Use in America Today and Tomorrow."

Other speakers will include Durland Clark of Shell Oil Co., Herman Moore of International Paper Co. and Mrs. Edward Fisher of St. Louis, speaking on "Drawing Board Inspirations."

Tours of interesting areas of the city and its gardens are being planned. The hostess clubs are preparing lovely decorations and favors.

DO join us for an exciting, educational, inspiring and FUN convention in Kansas City.

Further information and a tentative schedule of events of National Convention are to be found in the January-February 1977 issue of *The National Gardener*.

The package plan covers Sunday through Thursday (May 8-12), and includes \$18.00 Registration fee, 1 breakfast, 4 luncheons, 4 banquets, all receptions, programs and workshops. Price before April 1st is \$98.50. After April 1st is \$105.00. No refunds

after April 15th. Register with: Mrs. L. C. Krchma, 1168 East 66th Street, Kansas City, Missouri 64131. Make checks payable to: 1977 Kansas City Convention NCSGC.

If you have questions concerning the convention, contact: Mrs. Edward J. Neuner, Chairman, RT 1, Box 564, Chesterfield, Missouri 63017, or Mrs. L. C. Krchma, Registrar, address above.

"Catch the Spirit of the Third Century"

51st Annual State Convention

HOLIDAY INN

April 26-27, 1977

4500 W. Cypress St., Tampa

Hostess: Tampa Federation of Garden Club Circles, Inc.

The tentative program for the entire Convention was printed, with prices, in the January/February issue of *The Florida Gardener*. All club presidents have received a registration card for delegates and alternates. For all other club members, visitors, etc. who plan to go to Convention, please use the following registration form. This form is NOT to be used by delegates, alternates and board members.

CONVENTION REGISTRATION THE FLORIDA FEDERATION OF GARDEN CLUBS, INC.

Registration (\$7.50) Breakfast (April 27, \$5.00)
Breakfast (April 26, \$5.00) Lunch (April 27, \$7.00)
Lunch (April 26, \$7.00) Banquet (April 27, \$12.00)
Banquet (April 26, \$12.00) Total enclosed

NAME _____ DISTRICT _____

CLUB and CIRCLE _____

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Photographic Slide Awards

By Eve Riel De Marchi
Wildflowers—South Chairman

Is photography your hobby? If so, read the instructions in the Book of Information concerning Awards 62-A, B, C and D. Apply the new ruling that *copies are no longer accepted for competition*. You may send as many slides as you wish, but each must be accompanied by a separate entry blank except where noted. The object is to collect material for slide programs to be loaned to garden clubs from headquarters.

Photography does not have to be a complex hobby. A few rules can be most helpful, the first being **PATIENCE**. Familiarize yourself with your equipment by evaluating its capabilities and limitations. Study the results with a most critical eye and edit carefully, almost ruthlessly.

Learn to see your subject with the camera's eye. Frame pictures as though they were an artist's canvas, omitting clutter. View the subject from different angles, then choose the most pleasing.

In landscape photography avoid bisecting the field horizontally or vertically. When choosing the subject remember the principles of art. Repress the desire to capture too much; too much is confusing.

Observe lighting on the subject at different times of day. Glaring reflections and expanses of deep shadow are devastating.

Photographing individual plants can preserve their quickly fading beauty. Select subjects for perfection and rarity. Morning or late afternoon light can produce back or side lighting which is most flattering to flowers. Overcast days eliminate shadows, producing good results. Bright noonday sun can be disastrous.

If your subject is a wildflower, show a little of its habitat. After the plant is photographed move in for a close-up of the entire inflorescence if it is spike-like or a spray. Complete the story with a shot of an individual flower, full face or profile, whichever is more interesting.

Close-ups are most critical. Take them when subject is perfectly still. Wait for the split second of quietness which eventually comes. Most cameras throw

the background out of focus when doing close-up work. For those that don't or when photographing minute or intricate parts of plants, a sheet of dull finished poster board may be placed several inches behind plant; sky blue color is a favorite.

Sometimes it is impossible for the photographer to position himself at a low angle, shooting upward into the subject with the sky as a background. Remember to take meter reading of the subject or your hand held at approximately one half arms length, then shoot skyward. Take more than one exposure, using different angles and readings.

Filters is a subject unto itself and will not be discussed, with the exception of polarizing filters. These are relatively inexpensive, easy to use and invaluable to the nature photographer. Polar filters act somewhat as do sun glasses by removing reflections from all non-metallic surfaces. Leaf and petal surfaces can act as many tiny mirrors, obscuring true color and reflecting bright light. Consult your camera shop dealer who will tell you the uses of the above filter.

Choose your camera shop dealer carefully. He can become your best friend. View your slides in his shop and discuss the results with him; his patience is usually unlimited.

The mechanics of photography are simple. Keep the lenses clean with fluids and papers made for this purpose. Have your camera checked occasionally, especially before leaving on a "shutter-bug" safari. Never leave loaded camera or extra film in a hot or humid place. This includes your car, especially the trunk! If you mail your film off to be developed, avoid using letter boxes for this same reason.

Avoid cut rate or "quickie" processing. Have film developed by the manufacturer. Their expensive equipment produces better color saturation and permanency and provides a protective coating that guards against fading.

Photography is fun. Relax, keep a steady hand, learn from your past mistakes and always remember **PATIENCE**. Even if you are not a winner your slide is appreciated and there is always next year.

Landscaping with South Florida Plants

By Eve Riel De Marchi
Wildflowers South, Chairman

The use of native flora adds beauty to the landscape and aids in conservation of many valuable species. The threat of rationed water would suggest the wisdom of using plants accustomed to South Florida's very wet seasons followed by prolonged dry spells.

If your property is of suitable size you might create a shady hammock of trees, understory plants and ground covers, eliminating lawn care and reducing the need of air conditioning.

Consider the vegetation that grows naturally on your type of soil and try to duplicate this as much as possible.

Native palms are available in all sizes. Our state tree, cabbage palmetto (*Sabal palmetto*) adapts to any situation.

Gumbo limbo (*Bursera simaruba*), mahogany (*Swietenia mahagoni*), pigeon plum (*Coccoloba diversifolia*), paradise tree (*Simarouba glauca*), sea grape (*Coccoloba uvifera*), and the flowering geiger tree (*Corgia sebestena*) are interesting focal points.

Hedge material of cocoplum (*Chrysobalanus icaco*), sea grape (*Coccoloba uvifera*), or Spanish stopper (*Eugenia myrtooides*) need no maintenance other than sheering when once established.

Understory plants for consideration are marlberry (*Ardisia paniculata*), wild coffee (*Psychotria undata*), tetrazygia bicolor, beauty berry (*Calacarpa americana*), and satin leaf (*Chrysophyllum oliviforme*).

Ground covers: native coontie (*Zamia floridana* and *integrifolia*), so-called Boston fern (*Nephrolepis exaltata*), dwarf Lantana (*Lantana depressa*), and penny grass (*Dichondra carolinensis*).

Many of the above mentioned plants are semi or salt spray resistant. Especially recommended for sea-side plantings are: inkberry (*Scaevola plumieri*), sea lavender (*Tournefortia gnaphalodes*), Spanish bayonet (*Yucca aloifolia*), seven year apple, (*Casasia clusiaefolia*), spider lily (*Hymenocallis keyensis*), beach sunflower (*Helianthus debilis*), and bay cedar (*Suriana maritima*).

Native plants are becoming more available commercially; demand creates supply. Obtain natives by rescuing plants (with permission) from development sites; collect seeds and cuttings. Don't forget colorful wildflowers, bromeliads and orchids.

"Native Trees and Plants for Florida Landscaping," available from the Department of Agriculture, is a highly recommended publication for all Florida gardeners.

The possibilities of native plant selection are much greater than space permits. Nature's demands are few; use as many of her plants as possible to create a carefree garden of unique beauty.

Symptoms of Nutritional Deficiencies in Plants

NITROGEN DEFICIENCY

- 1—Plants stunted
- 2—Leaves yellowish-green
- 3—Lower leaves show symptoms first
- 4—Veins often purplish
- 5—Flowers unusually small

IRON DEFICIENCY

- 1—Necrotic (dead or decayed) spots over leaf surface
- 2—Leaves turn yellow between veins but veins remain green
- 3—Blooms poor in size and color

Impatiens Sultana

By Mrs. E. Robert Hunter
Horticulture Chairman

It would be a safe bet that most of us have growing somewhere in our gardens an inconspicuous little flower usually called Impatiens or Sultana, but having many other common names, including Touch-me-not, Patient Lucy, Patience and Busy Lizzy.

Its proper name, however, is Impatiens Sultani, which is French and refers to the seed pod's tendency to scatter its seed at the slightest touch.

The flowers, which may grow up to 2½ inches across, are borne prolifically and the blossoms may come in a great variety of colors—pinks, reds, purples, salmons, whites and combinations.

There are many charming hybrids with variegated blossoms and the same wide range of colors, coming in double, semi-double and single flowers.

PHOSPHORUS DEFICIENCY

- 1—Symptoms on young plants
- 2—Veins and underside of leaf turn red-purple
- 3—Plants spindly, leaves miniature
- 4—Plants late setting buds

ZINC DEFICIENCY

- 1—Leaves turn yellow
- 2—Veins remain dark green

MAGNESIUM DEFICIENCY

- 1—Symptoms in older leaves
- 2—Leaves brittle
- 3—Leaves curl upward
- 4—Leaves chlorotic (blanched) between veins
- 5—Veins remain green

CALCIUM DEFICIENCY

- 1—Tissue breakdown at base of young leaves
- 2—Brittle stems and petioles
- 3—Root tips dead

POTASSIUM DEFICIENCY

- 1—Lower leaves chlorotic
- 2—Lower leaves necrotic in late stages
- 3—Chlorosis is between veins
- 4—Veins normal to very dark green
- 5—Leaf margins curl upward, develop puckered effect

from Massachusetts Newsletter

Impatiens have been the subject of intensive hybridization, which has resulted in not only this broad range of colors and larger blossoms, but also bushier and more compact plants.

In a location with ample light but not too strong direct sun, Impatiens is unexcelled as a border subject, as the plants are usually about 15 inches high with a profusion of bloom.

Impatiens also makes a good potted plant, both outside or in a sunny window and is most spectacular as a hanging basket.

Very easy to propagate, Impatiens roots quickly from cuttings and also grows well from seeds. Cuttings will root in a glass of water but will transplant more easily if rooted in perlite, vermiculite, peat moss or some such rooting medium. This separates the roots as they grow so they can be transplanted with the roots in a ball instead of clinging together, and the plant will settle more firmly in its pot.

Frequent watering will suit most Impatiens. They will quickly droop if they are dry or the sun is too hot, but they are equally quick to revive with shade and moisture.

They need little other special attention but will thrive with routine fertilizing and regular garden care, but they do need to be pinched back constantly to maintain a round, bushy plant.

These charming plants are grown as annuals in the north but we are fortunate in being able to grow them year round. If they look straggly at the end of the season, take cuttings and by fall the little plants should be coming into full size for winter bloom.

Another variety of Impatiens, Impatiens Biflora, is the lovely Jewel Weed of our northern woods and roadsides.

Recently new species have been introduced from New Guinea and they have been extensively studied and hybridized at Longwood Gardens near Wilmington, Delaware. They seem to do well in full sun or partial shade but bloom best in the shorter, cooler days of fall. Most have distinctive variegated leaves. They are now appearing on the market and should make a welcome addition to our gardens.

AGAIN THE BARTRAM TRAIL ASKS YOUR HELP

by Mrs. Charles H. Blanchard
Historical Development
& Bicentennial Chairman

Thanks to many of you who are interested in the care of gardening—the environment—THE BARTRAM TRAIL is now a part of the National Trails Act. Passed in the final minutes of the 94th Congress, it is a great satisfaction to know that our many letters, cards, telegrams and long distance calls really counted. The President signed PUBLIC LAW #94-527 on October 17, 1976.

This law also includes the Daniel Boone Trail, Desert Trail, Dominguez-Escalante Trail, and the Florida Trail. The Florida Trail extends north from the Everglades, and includes Big Cypress Swamp, the Kissimmee Prairie, the Withlacoochee State Forest, Ocala National Forest, Black Water River State Forest and Osceola National Forest. The completed trail will be approximately one thousand, three hundred miles long. Over four hundred miles have already been built.

Also included in this amendment to the National Trails Act are the Indian Nations Trail, the Nez Perce Trail and the Pacific-Northwest Trail.

Be aware of this. We are only on the bottom step. This bill is *not funded*, nor does it give a *time for completion* of the feasibility study. Consequently you are called upon to show your involvement by writing your representatives in Congress asking them to *fund*, set a *time limit* and *expedite* the implementation of PL #94-527.

Congressmen will already have received resolutions regarding this law—resolutions that were passed at the Bartram Trail Conference in Darien, Georgia.

A charter and bylaws for the eight states involved in the Bartram Trail were drawn up at the time of this conference. FFGC Board members Hilda Kressman and Van Blanchard attended as Charter Members of the Conference and Hilda was elected to serve as the first treasurer.

Another fact was brought out at the Bartram Trail Conference in Darien. The Bartram Trail is *not* included in the National Waterways Act of 1968. Insofar as many miles of Bartram's travels were by water, this being the cheapest, fastest and often the safest manner of travel, we must have an amendment to the Waterways Act to include the Bartram Trail.

SO, write *today* concerning PL 94-527 and in a second and separate communication to your Congressmen and Senators, please request that The Bartram Trail be included, as an amendment, to the 1968 Waterways Act. A resolution regarding this has already been sent.

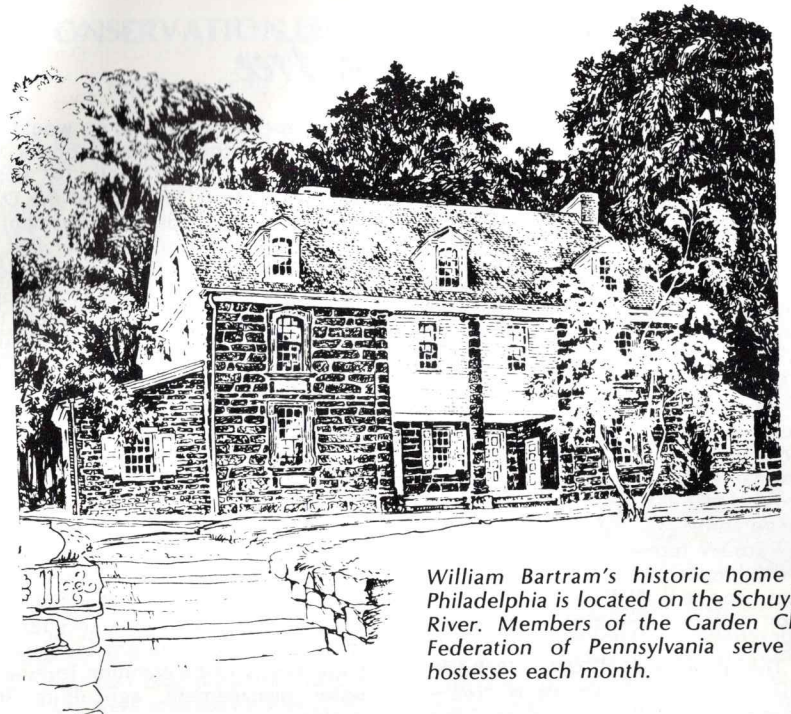
Since the recreational potential of our nation is on the upswing, trails on land and water will be golden opportunities for all citizens to enjoy the wilderness. Let us all be concerned and involved in this. *Don't delay. WRITE TODAY. Be a part of America* and stop saying "Don't worry about it!"



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shopping
is a
pleasure

The FLORIDA GARDENER



William Bartram's historic home in Philadelphia is located on the Schuylkil River. Members of the Garden Club Federation of Pennsylvania serve as hostesses each month.

William Bartram Trail Conference Holds Organizational Meeting

Between 1773 and 1777, William Bartram, a Quaker naturalist from Philadelphia, explored the wilderness of America's southeastern colonies. On November 11 and 12, 1976, two hundred years after his travels, members of the Bartram Trail Organizations throughout the Southeast met and used the journal that Bartram kept to retrace his route as it wanders through their part of the country; to develop and mark the Bartram Trail in commemoration of William Bartram for the use and enjoyment of all persons, present and future.

An eight state Bartram Trail Conference was formed, its purpose being to coordinate and facilitate the efforts of the Bartram Trail organizations of the Southern states. It was fitting that the formation of the Bartram Trail Conference should occur on the Georgia Coast, a focal point of Bartram's travels and that it should occur in the Bicentennial year of 1976. Members of the conference hope the development

and preservation of the Bartram Trail could be an important contribution to the Tricentennial.

Members of FFGC may become charter members of the Bartram Trail Conference by sending annual dues of \$10.00 to the treasurer, Mrs. Hilda Kressman, Box 283, Trenton, NJ 08646, by March 30, 1977.

from Louisiana Garden Club
Federation Newsletter

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The Moon Tree

Five years have passed since Apollo 14 lifted off for the Moon from Kennedy Space Center, carrying Astronauts Edgar D. Mitchell, Alan B. Shepard, Jr. and Stuart A. Roosa. Forest tree seeds, sealed in a small capsule, were on board the spacecraft.

Upon their return to earth, the seeds were germinated by forest research geneticists, who found that the seeds had survived the nine-day experience in space with no ill effects.

From a research standpoint, the seeds were taken to learn if they could survive the same stresses that the astronauts faced, such as prolonged weightlessness and extremes of temperature.

Roosa, a former U.S. Forest Service smokejumper, wanted to emphasize trees, and the Nation's dependence upon its forest resources in the space age.

The experimental seeds included four varieties of American tree—Douglas fir, loblolly pine, redwood and sycamore. From this elite group the trees, all now aged four to five years old are being provided to each state, courtesy of the U.S. Forest Service, for Bicentennial planting.

Moon trees will emphasize the role of trees in America's 200 years of history and culture. "Without trees we would never have had paper for a Declaration

of Independence, just as we would not have the nitrocellulose to power the rocket that launched Apollo 14," stated John M. Bethea, Director of the Division of Forestry, Florida Department of Agriculture and Consumer Services.

Bethea cited other contributions which trees make to space technology, such as insulation materials on the reentry cover of the command module, rayon in apparel and tires, nylon reentry parachutes, celluloid photo film and wrappings, artificial food flavorings and the resin-soldering flux that is vital to insuring perfect connections between the half-million electronic components of the Saturn rocket. Many of these wood by-products came from the Florida Slash pine.

Conversely, the Space Age is helping Florida foresters. Two Landsat earth observing satellites use advance remote sensing from space to provide data for projects in land use planning, forest and water management, agriculture and geology.

"Kennedy Space Center, because of its integral part in the space program, was deemed the site for Florida's Moon Tree," Bethea said.

The planting ceremony was held June 25 at the Center as part of the U.S. Bicentennial Exposition on Science and Technology.

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CONSERVATION EDUCATION—FFGC MODEL

By Mrs. Roger J. Waybright
Legislative Study and Governmental Liaison *Chairman*

The Florida Federation of Garden Clubs observed its 50th anniversary in 1975, and in celebration published a history of the Federation, *THE FIRST 50 YEARS*. Throughout our history there has been continuous youth involvement in conservation education, more recently known as environmental education.

During the administration of the third FFGC President, Mrs. Edwin H. Riggs (1929-1931), the Junior Garden Club movement was born. Junior Gardeners, a popular program today, is conservation education oriented.

The need for conservation education in the public school system was recognized in the administration of the sixth FFGC President, Mrs. M. M. Parrish (1934-37). Through the efforts of Mrs. Parrish, appointed earlier by the Governor to a special committee for the purpose of studying conservation laws in Florida, two bills presented to the Legislature were enacted into law. One law required courses on instruction covering conservation of natural resources in the state's high schools and colleges, and the other laws established a School of Forestry at the University of Florida.

In 1944, during the administration of Mrs. W. H. Covington (1941-45), the Blanche Covington Nature Study Course was established with the assistance of the Florida Forest and Park Service. Later, forests and parks were separated into two agencies. Today the Nature Study Course is sponsored by FFGC in cooperation with the Florida Division of Recreation and Parks—same agency, different name, and is held at Wekiva Youth Camp. The course is designed to help adults working with youth, in nature studies.

A law had been passed in 1935 requiring teaching of conservation of natural resources in the public school system and the State Department of Education backed it up with a requirement for a course in conservation for teacher certification. The net effect of the requirements, however, was relatively small.



Mrs. Roger Waybright displays the Environmental Action Leadership Medal awarded her at National Council Convention in Pittsburgh. Mrs. Waybright was honored for her activities in promoting public support for environmental education legislation passed by the Florida Legislature in 1975. At that time an Office of Environmental Education was established in the State Department of Education.

In 1944 there was a happening outside the FFGC which later would involve us.

Florida's (then) three universities and the State Department of Education made a joint application in 1944 for a grant from the General Education Board to promote resource-use education. The project lasted nearly three years on a \$20,800 grant, operating on a state level with a coordinator and an advisory committee.

When the grant came to an end, the advisory committee recommended that the Governor appoint its members to a Governor's Resource-Use Education Committee to continue the work already under way. Governor Millard Caldwell (1945-49) did so, charging the committee with coordinating efforts of agencies and institutions already

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engaged in resource-use education.

Henry F. Becker, head of the Geography Department at Florida State University in Tallahassee, served as Chairman of the Governor's Resource-Use Education Committee for about 25 years. Dr. Clark I. Cross, Department of Geography, University of Florida, Gainesville, served as Chairman of the Committee for the last few years before it disbanded with passage of the Florida Environmental Education Act of 1970.

Each Governor from Governor Caldwell through Governor Claude R. Kirk, Jr., appointed the Governor's Resource-Use Education Committee for his term in office. The Committee was unfunded. Through the 1950's and the 1960's much of whatever happened by way of conservation education in the public school system originated in this Committee.

While Mrs. John R. Parkinson served as FFGC President (1955-1957), Mrs. Robert L. Fairing, Conservation Chairman, proposed the conservation teachers scholarship fund, which was established as a FFGC project in 1956.

Henry F. Becker served as Director of the FFGC Conservation Teachers Workshops at Florida State University for many years until his retirement. Since Mr. Becker was Chairman of the Governor's Resource-Use Education Committee, our financing the Conservation Teachers Workshops for 17 years placed the Florida Federation in the mainstream of the movement to bring conservation education into the public school system.

With passage of the Florida Environmental Education Act in 1973, which made some provision for workshops, FFGC discontinued the teachers scholarship fund. Later money left in the fund was transferred to a scholarship fund for a new project, the S.E.E.K. Youth Conferences.

In the administration of Mrs. C. R. Mdyes, Jr., (1959-1961), Junior Nature Camp was established to train youth in an appreciation of nature and understanding of conservation. A building fund was created which reached fruition with the opening of Wekiva Youth Camp in 1974. The High School Gardeners chairmanship was created.

While Mrs. Frank W. Hewlett served as President (1963-65), FFGC started

another project with the Governor's Resource-Use Education Committee when Governor Farris Bryant appointed Mrs. Roger J. Waybright, Conservation and Natural Areas Chairman, to represent FFGC on that Committee.

Committee Chairman, Henry F. Becker, assigned Mrs. Waybright the task of securing public support for legislation to establish a consultant position in the Department of Education and provide for an appropriation. Mrs. Waybright rallied state organizations with about a million members, resulting in passage of the Florida Environmental Educational Act of 1970.

FFGC adopted a resolution in support of the legislation in 1965, and supported passage of the environmental education laws passed by the Florida Legislature in 1970, 1973, and 1975.

Governor Haydon Burns appointed Mrs. Waybright to the Governor's Resource-Use Education Committee for his term in office, as did Governor Claude R. Kirk, Jr.

When the Florida Environmental Education Act of 1970 was passed the Committee disbanded, considering its mission accomplished.

Governor Kirk appointed Mrs. Waybright to the Governor's Natural Resources Committee, representing Florida Federation of Women's Clubs. Committee Chairman, Lyman Rogers, appointed Mrs. Waybright as Conservation Education Chairman and assigned her the same task of securing public support for legislation to establish a consultant position in the State Department of Education.

After the Florida Legislature passed the Florida Environmental Education Act of 1970, the Commissioner of Education appointed C. Richard Tillis as the Environmental Education Consultant. At the time of his appointment, Mr. Tillis was Director of Pine Jog Conservation Center in West Palm Beach, and also Director of the FFGC Conservation Teachers Workshop held at Pine Jog. A State Environmental Education Advisory Council was appointed by the Department of Education to assist Mr. Tillis. Mrs. Waybright has served on the Council from its organization in 1971.

This article will conclude in the May/June issue.

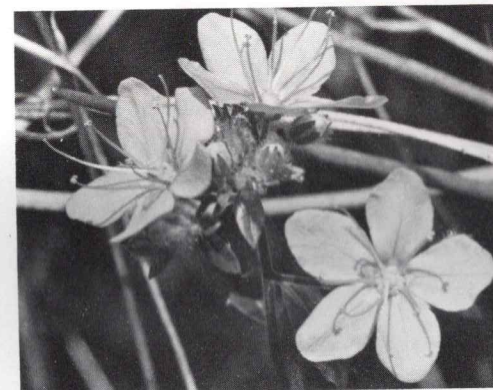
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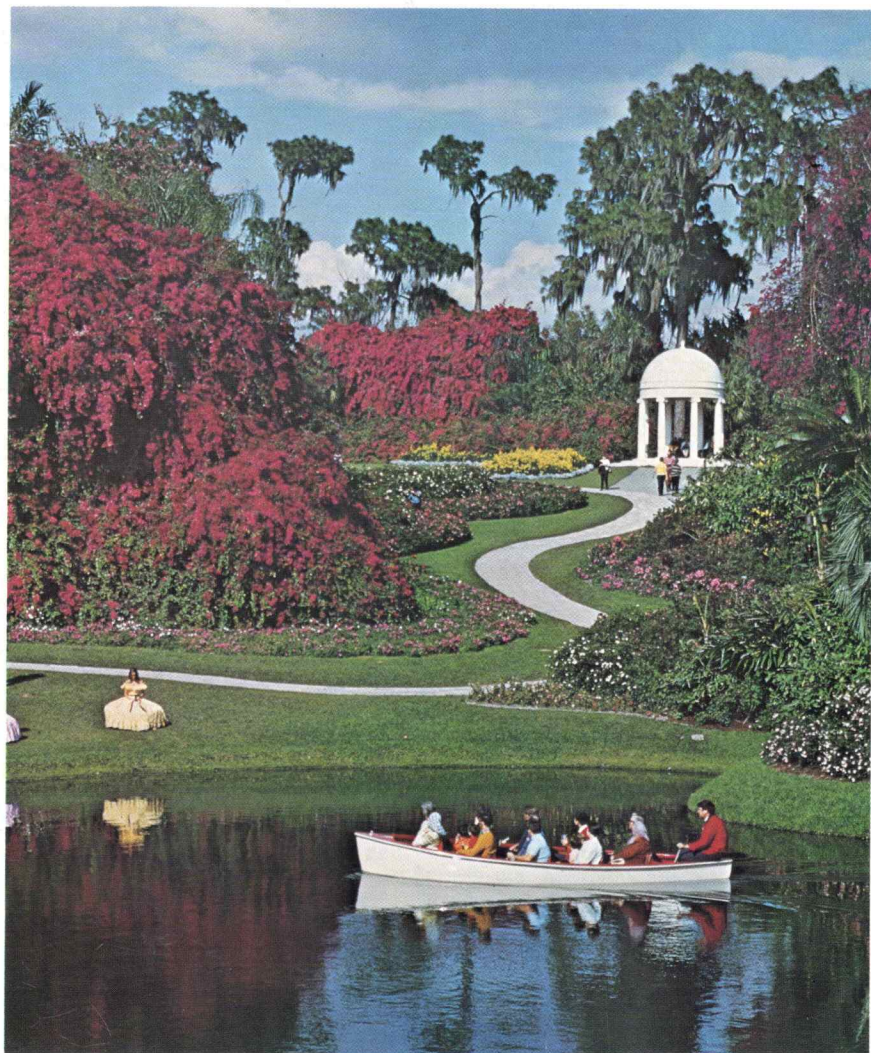
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